# APPENDIX H:
# Model Baseline Output Files

Summer baseline LA-QUAL model output .....H-1
Winter baseline LA-QUAL model output .....H-89

## Summer baseline LA-QUAL model output

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LA-QUAL Version 9.05
Louisiana Department of Environmental Quality

Input file is C:\Users\sarah.bradbury\Documents\My files\LA TMDL\Report\040504_040505(Yellow_Ponchatoula)\Ponchatoula_Baseline.txt
Running in steady-state mode using LA defaults
Output produced at 14:22 on 11/28/2011

$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL Model for Ponchatoula Creek Watershed
TITLE02         Baseline Simulation
CONTROL   YES   METRIC UNITS
ENDATA01

$$$ DATA TYPE 2 (MODEL OPTIONS) $$$

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                        UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                        UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                        UNITS =
ENDATA02

$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         INHIBITION CONTROL VALUE           =         0.00000 (no oxygen dependent rates)
PROGRAM         OCEAN EXCHANGE RATIO               =         0.50000
PROGRAM         TIDE HEIGHT                        =         0.07000 meters
PROGRAM         TIDAL PERIOD                       =        12.00000 hours
PROGRAM         PERIOD OF TIDAL RISE               =         6.00000 hours
ENDATA03

$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA05

$$$ DATA TYPE 6 (PHYTOPLANKTON CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA06

$$$ DATA TYPE 7 (PERIPHYTON CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA07
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$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                                    BEGIN        END    ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                          REACH       REACH  LENGTH  LENGTH  PER RCH  ELEM   ELEM
                                                      km          km      km      km            NUM    NUM

REACH ID     1   P6  Pontchatoula (Head to PTS)     40.60  TO   28.40  0.1000   12.20     122      1    122
REACH ID     2   PT  Pontchatoula Trib.              8.00  TO    0.00  0.1000    8.00      80    123    202
REACH ID     3   P5  Pontchatoula (PTS to YWRC)     28.40  TO   24.70  0.1000    3.70      37    203    239
REACH ID     4   P4  Pontchatoula (YWRC to EPON)    24.70  TO   20.70  0.1000    4.00      40    240    279
REACH ID     5   EP  East Pontchatoula              10.90  TO    0.00  0.1000   10.90     109    280    388
REACH ID     6   P3  Pontchatoula (EPON to Arnold)  20.70  TO   10.90  0.1000    9.80      98    389    486
REACH ID     7   AC  Arnold Creek                    7.40  TO    0.00  0.1000    7.40      74    487    560
REACH ID     8   P2  Pontchatoula (Arnold to YWR)   10.90  TO    6.60  0.1000    4.30      43    561    603
REACH ID     9   P1  Pontchatoula (YWR to base)      6.60  TO    0.00  0.1000    6.60      66    604    669
ENDATA08

$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID      WIDTH      WIDTH      WIDTH      DEPTH      DEPTH      DEPTH     SLOPE   MANNINGS
                          "A"        "B"        "C"        "D"        "E"        "F"               "N"

HYDR-1       1   P6      0.000      0.000      2.740      0.720      0.128      0.000   0.00070   0.000
HYDR-1       2   PT      0.000      0.000      0.910      0.310      0.128      0.000   0.00100   0.000
HYDR-1       3   P5      0.000      0.000      3.350      0.253      0.128      0.000   0.00080   0.000
HYDR-1       4   P4      0.000      0.000      3.080      0.680      0.128      0.000   0.00080   0.000
HYDR-1       5   EP      0.000      0.000      3.870      0.600      0.128      0.000   0.00080   0.000
HYDR-1       6   P3      0.000      0.000      3.200      0.170      0.128      0.000   0.00050   0.000
HYDR-1       7   AC      0.000      0.000      5.180      0.675      0.128      0.000   0.00090   0.000
HYDR-1       8   P2      0.000      0.000     18.290      0.527      0.128      0.000   0.00070   0.000
HYDR-1       9   P1      0.000      0.000     51.820      1.663      0.128      0.000   0.00050   0.000
ENDATA09

$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID     TIDAL     DISPERSION     DISPERSION     DISPERSION     DISPERSION
                         RANGE        "A"            "B"            "C"            "D"

HYDR         1   P6      0.00       0.000          0.000          0.000          0.000
HYDR         2   PT      0.00       0.000          0.000          0.000          0.000
HYDR         3   P5      0.00       0.000          0.000          0.000          0.000
HYDR         4   P4      0.00       0.000          0.000          0.000          0.000
HYDR         5   EP      0.00       0.000          0.000          0.000          0.000
HYDR         6   P3      0.00       0.000          0.000          0.000          0.000
HYDR         7   AC      0.00       0.000          0.000          0.000          0.000
HYDR         8   P2      0.50      25.000          0.200          0.300          1.200
HYDR         9   P1      1.00      35.000          0.200          0.300          1.200
ENDATA10

$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$

CARD TYPE      REACH  ID     TEMP    SALIN       DO    NH3-N    NO3-N    PO4-P    CHL A    PERIP     BOD1     BOD2    ORG-N    ORG-P     COLI      NCM     CM-1     CM-2
                            deg C     ppt     mg/L     mg/L     mg/L     mg/L      µg/L     g/m²     mg/L     mg/L     mg/L     mg/L  #/100mL

INITIAL          1   P6    30.00     0.00     7.40     0.30     0.00     0.00     1.50     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          2   PT    29.80     0.00     6.87     0.15     0.00     0.00     6.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          3   P5    30.00     0.00     7.40     0.30     0.00     0.00     1.50     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          4   P4    32.60     0.00     7.80     0.10     0.00     0.00    42.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          5   EP    25.80     0.00     3.30     0.11     0.00     0.00     5.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          6   P3    30.00     0.00     6.46     0.17     0.00     0.00     2.25     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          7   AC    33.90     0.00     5.10     0.54     0.00     0.00    22.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          8   P2    33.90     0.00     5.10     0.54     0.00     0.00    22.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          9   P1    30.50     0.00     5.30     0.15     0.00     0.00    19.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
ENDATA11

$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                                    AEROB                SETTLD    ANAER    AEROB                        ANAER     BOD2
CARD     RCH  RCH  K2                    K2       K2       K2    BKGRND     BOD     BOD     SOD      BOD     BOD2     BOD2               BOD2   HYDR TO
TYPE     NUM   ID  OPT                  "A"      "B"      "C"      SOD   DECAY    SETT   AVAIL    DECAY    DECAY     SETT              DECAY     BOD1
                                                                  g/m²/d per day     m/d    frac  per day  per day     m/d           per day  per day

COEFF-1    1   P6  15 LOUISIANA        0.000    0.000    0.000    0.000   0.030   0.010   0.000    0.000    0.000   0.000             0.000    0.000
COEFF-1    2   PT  15 LOUISIANA        0.000    0.000    0.000    0.000   0.030   0.010   0.000    0.000    0.000   0.000             0.000    0.000
COEFF-1    3   P5  15 LOUISIANA        0.000    0.000    0.000    0.000   0.030   0.010   0.000    0.000    0.000   0.000             0.000    0.000
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COEFF-1    4   P4  15 LOUISIANA        0.000     0.000     0.000     0.000     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    5   EP  15 LOUISIANA        0.000     0.000     0.000     2.260     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    6   P3  15 LOUISIANA        0.000     0.000     0.000     0.300     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    7   AC  15 LOUISIANA        0.000     0.000     0.000     0.500     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    8   P2   2 CHURCHILL        0.000     0.000     0.000     1.400     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    9   P1   2 CHURCHILL        0.000     0.000     0.000     0.800     0.050     0.010     0.000     0.000     0.000     0.000                0.000     0.000
ENDATA12

$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$
                                          SETTLD              BKGRND    BKGRND                                    SETTLD
CARD TYPE      REACH  ID       ORG-N     ORG-N      ORGN       NH3       NH3       PO4     DENIT      ORGP      ORGP      ORGP
                               DECA      SETT     AVAIL      DECA      SRCE      SRCE      RATE      DECA      SETT     AVAIL
                            per day       m/d      frac   per day    g/m²/d    g/m²/d   per day   per day       m/d      frac

COEFF-2          1   P6       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          2   PT       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          3   P5       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          4   P4       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          5   EP       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          6   P3       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          7   AC       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          8   P2       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          9   P1       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
ENDATA13

$$$ DATA TYPE 14 (ALGAE PHYTOPLANKTON AND PERIPHYTON COEFFICIENTS) $$$
                                                                   MAX                                   MAX
CARD TYPE      REACH  ID      SECCHI    CHL A:     PHYTO     PHYTO     PHYTO     PHYTO     PERIP     PERIP     PERIP      BANK
                               DEPTH     ALGAE      SETT     DEATH      GROW      RESP     DEATH      GROW      RESP   SHADING
                                   m      frac       m/d   per day   per day   per day   per day   per day   per day      frac

ENDATA14

$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$

CARD TYPE      REACH  ID    COLIFORM       NCM       NCM
                            DIE-OFF     DECAY      SETT
                            per day   per day       m/d

ENDATA15

$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE      REACH  ID       OUTFLOW      INFLOW      TEMP     SALIN      CM-1      CM-2   IN/DIST  OUT/DIST
                                  m³/s        m³/s     deg C       ppt

INCR-1           1   P6       0.00000     0.00000     30.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           2   PT       0.00000     0.00000     30.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           3   P5       0.00000     0.01410     29.00      0.00      0.00      0.00   0.00381   0.00000
INCR-1           4   P4       0.00000     0.01410     29.00      0.00      0.00      0.00   0.00353   0.00000
INCR-1           5   EP       0.00000     0.01000     25.80      0.00      0.00      0.00   0.00092   0.00000
INCR-1           6   P3       0.00000     0.50000     29.00      0.00      0.00      0.00   0.05102   0.00000
INCR-1           7   AC       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           8   P2       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           9   P1       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
ENDATA16

$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE      REACH  ID          DO      BOD1     ORG-N     NH3-N     NO3-N      BOD2
                                mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

INCR-2           1   P6        6.85     16.00      1.29      0.29      0.09      0.00
INCR-2           2   PT        6.85     16.00      1.29      0.29      0.09      0.00
INCR-2           3   P5        6.85      8.00      1.85      0.10      0.04      0.00
INCR-2           4   P4        6.85      8.00      1.85      0.10      0.04      0.00
INCR-2           5   EP        6.85     13.00      1.15      0.11      0.09      0.00
INCR-2           6   P3        6.85     30.00      1.00      0.29      0.37      0.00
INCR-2           7   AC        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           8   P2        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           9   P1        0.00      0.00      0.00      0.00      0.00      0.00
ENDATA17

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
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                                          PHYTO
 CARD TYPE      REACH  ID        PO4      CHL A      COLI       NCM      ORGP
                                mg/L      µg/L   #/100mL                 mg/L

ENDATA18

$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$

CARD TYPE      REACH  ID        BOD1     ORG-N      COLI       NCM        DO      BOD2     ORG-P
                                kg/d      kg/d     #/day                 kg/d      kg/d      kg/d

NONPOINT         1   P6        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         2   PT        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         3   P5        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         4   P4        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         5   EP        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         6   P3        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         7   AC        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         8   P2        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         9   P1        0.00      0.00      0.00      0.00      0.00      0.00      0.00
ENDATA19

$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$
                                                                                                  HDW DISP
CARD TYPE     ELEMENT   NAME                  UNIT     FLOW       FLOW    TEMP    SALIN      CM-1      CM-2     EXCHG
                                                      m³/s        cfs   deg C      ppt                          frac

HDWTR-1         1       Pont. Creek             0   0.00283    0.09993   30.00     0.00     0.000     0.000     0.000
HDWTR-1       123       Pont. Trib.             0   0.00283    0.09993   29.80     0.00     0.000     0.000     0.000
HDWTR-1       280       East Pont.              0   0.00283    0.09993   25.80     0.00     0.000     0.000     0.000
HDWTR-1       487       Arnold's Creek          0   0.00283    0.09993   29.80     0.00     0.000     0.000     0.000
ENDATA20

$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE     ELEMENT   NAME                          DO     BOD#1     ORG-N     NH3-N     NO3-N      BOD2
                                                     mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

HDWTR-2         1       Pont. Creek                 6.85     16.00      1.29      0.30      0.07      0.00
HDWTR-2       123       Pont. Trib.                 6.85     22.00      3.96      0.15      0.02      0.00
HDWTR-2       280       East Pont.                  6.85     13.00      1.15      0.11      0.09      0.00
HDWTR-2       487       Arnold's Creek              6.85     26.00      1.13      0.54      0.18      0.00
ENDATA21

$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                                                PHYTO
CARD TYPE     ELEMENT   NAME                        PO4-P      CHL A      COLI       NCM      ORG-P
                                                     mg/L      µg/L   #/100mL                 mg/L

ENDATA22

$$$ DATA TYPE 23 (JUNCTION DATA) $$$

CARD TYPE   JUNCTION   UPSTRM     RIVER     NAME
             ELEMENT  ELEMENT     KILOM

JUNCTION        203      122      28.40  PTS to Pont. Creek
JUNCTION        389      279      20.70  East Pont to Pont Creek
JUNCTION        561      486      10.90  Arnolds Creek to Pont Creek
ENDATA23

$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE  ELEMENT    RKILO  NAME                      FLOW       FLOW      FLOW    TEMP    SALIN      CM-1      CM-2
                                                       m³/s        cfs       MGD   deg C      ppt

WSTLD-1       21      38.60  LA0122424              0.00004    0.00141     0.001   29.80     0.00     0.000     0.000
WSTLD-1       42      36.50  Grp1-Rch1              0.00120    0.04237     0.027   29.80     0.00     0.000     0.000
WSTLD-1       82      32.50  LAG541777              0.00120    0.04237     0.027   29.80     0.00     0.000     0.000
WSTLD-1       93      31.40  LAG541118              0.00105    0.03708     0.024   29.80     0.00     0.000     0.000
WSTLD-1      193       1.00  LAG570205              0.00386    0.13630     0.088   26.80     0.00     0.000     0.000
WSTLD-1      195       0.80  LAG533605              0.00386    0.13630     0.088   29.80     0.00     0.000     0.000
WSTLD-1      213      27.40  Grp2-Rch3              0.00032    0.01130     0.007   29.80     0.00     0.000     0.000
WSTLD-1      220      26.70  Grp3-Rch3              0.00028    0.00989     0.006   29.80     0.00     0.000     0.000
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WSTLD-1      228      25.90  LAG532004            0.00003    0.00106    0.001   29.80      0.00      0.000      0.000
WSTLD-1      236      25.10  Grp4-Rch3            0.00244    0.08616    0.056   29.80      0.00      0.000      0.000
WSTLD-1      239      24.80  YWRC                -0.05380   -1.89972   -1.228   29.80      0.00      0.000      0.000
WSTLD-1      277      21.00  Grp5-Rch4            0.00079    0.02790    0.018   29.80      0.00      0.000      0.000
WSTLD-1      302       8.70  LAG540869            0.00079    0.02790    0.018   29.80      0.00      0.000      0.000
WSTLD-1      319       7.00  LAG532175            0.00046    0.01624    0.010   29.80      0.00      0.000      0.000
WSTLD-1      333       5.60  Grp6-Rch5            0.00007    0.00247    0.002   29.80      0.00      0.000      0.000
WSTLD-1      340       4.90  Grp7-Rch5            0.00024    0.00847    0.005   29.80      0.00      0.000      0.000
WSTLD-1      358       3.10  Grp8-Rch5            0.00301    0.10629    0.069   29.80      0.00      0.000      0.000
WSTLD-1      393      20.30  LAG541365            0.00039    0.01377    0.009   29.80      0.00      0.000      0.000
WSTLD-1      428      16.80  Grp9-Rch6            0.00183    0.06462    0.042   29.80      0.00      0.000      0.000
WSTLD-1      452      14.40  Grp10-Rch6           0.00183    0.06462    0.042   29.80      0.00      0.000      0.000
WSTLD-1      456      14.00  Grp11-Rch6           0.00017    0.00600    0.004   29.80      0.00      0.000      0.000
WSTLD-1      499       6.20  LAG750157            0.00017    0.00600    0.004   29.80      0.00      0.000      0.000
WSTLD-1      534       2.70  LAG540662            0.00002    0.00071    0.000   29.80      0.00      0.000      0.000
WSTLD-1      546       1.50  LAG531467            0.00042    0.01483    0.010   29.80      0.00      0.000      0.000
WSTLD-1      564      10.60  Grp12-Rch8           0.00001    0.00035    0.000   29.80      0.00      0.000      0.000
WSTLD-1      566      10.40  Grp13-Rch8           0.00342    0.12076    0.078   29.80      0.00      0.000      0.000
WSTLD-1      584       8.60  Grp14-Rch8           0.00129    0.04555    0.029   29.80      0.00      0.000      0.000
WSTLD-1      603       6.70  YWR                  0.00283    0.09993    0.065   30.30      0.00      0.000      0.000
WSTLD-1      613       5.70  LAG531729            0.00129    0.04555    0.029   29.80      0.00      0.000      0.000
ENDATA24

$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                                        % BOD                                  %
CARD TYPE     ELEMENT   NAME                        DO       BOD      RMVL     ORG-N     NH3-N    NITRIF     NO3-N      BOD2
                                                  mg/L      mg/L               mg/L      mg/L                mg/L      mg/L

WSTLD-2          21     LA0122424                0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2          42     Grp1-Rch1                2.00     71.50      0.00      5.20     10.36      0.00      2.00      0.00
WSTLD-2          82     LAG541777                2.00     71.50      0.00      5.20     10.36      0.00      2.00      0.00
WSTLD-2          93     LAG541118                2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         193     LAG570205                5.00     22.00      0.00      4.00      0.15      0.00      0.00      0.00
WSTLD-2         195     LAG533605                5.00     23.00      0.00      1.70      3.33      0.00      2.00      0.00
WSTLD-2         213     Grp2-Rch3                2.00     74.80      0.00      5.40     10.83      0.00      2.00      0.00
WSTLD-2         220     Grp3-Rch3                2.00     89.00      0.00      6.40     12.89      0.00      2.00      0.00
WSTLD-2         228     LAG532004                2.00    103.50      0.00      7.50     15.00      0.00      2.00      0.00
WSTLD-2         236     Grp4-Rch3                4.30     53.70      0.00      3.90      7.78      0.00      2.00      0.00
WSTLD-2         239     YWRC                     4.30     34.50      0.00      2.50      5.00      0.00      2.00      0.00
WSTLD-2         277     Grp5-Rch4                2.30     66.90      0.00      4.90      9.70      0.00      2.00      0.00
WSTLD-2         302     LAG540869                2.30     66.90      0.00      4.90      9.70      0.00      2.00      0.00
WSTLD-2         319     LAG532175                2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         333     Grp6-Rch5                2.00    103.50      0.00      7.50     15.00      0.00      2.00      0.00
WSTLD-2         340     Grp7-Rch5                2.00     72.00      0.00      5.20     10.44      0.00      2.00      0.00
WSTLD-2         358     Grp8-Rch5                3.20     50.70      0.00      3.70      7.34      0.00      2.00      0.00
WSTLD-2         393     LAG541365                2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         428     Grp9-Rch6                3.00     53.50      0.00      3.90      7.75      0.00      2.00      0.00
WSTLD-2         452     Grp10-Rch6               3.00     53.50      0.00      3.90      7.75      0.00      2.00      0.00
WSTLD-2         456     Grp11-Rch6               0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         499     LAG750157                0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         534     LAG540662                0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         546     LAG531467                2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         564     Grp12-Rch8               0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         566     Grp13-Rch8               3.00     61.40      0.00      4.50      8.90      0.00      2.00      0.00
WSTLD-2         584     Grp14-Rch8               2.00     70.80      0.00      5.10     10.27      0.00      2.00      0.00
WSTLD-2         603     YWR                      2.00     11.00      0.00      1.40      0.32      0.00      4.00      0.00
WSTLD-2         613     LAG531729                2.00     70.80      0.00      5.10     10.27      0.00      2.00      0.00
ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, PHYTOPLANTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                                        PHYTO
CARD TYPE     ELEMENT   NAME                      PO4-P     CHL A      COLI       NCM     ORG-P
                                                   mg/L      µg/L   #/100mL                mg/L

ENDATA26

$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$

CARD TYPE    CONSTITUENT                     CONCENTRATION

LOWER BC     TEMPERATURE                        30.500     deg C
LOWER BC     DISSOLVED OXYGEN                    6.850     mg/L
LOWER BC     BOD1 BIOCHEMICAL OXYGEN DEMAND     25.000     mg/L
LOWER BC     ORGANIC NITROGEN                    1.800     mg/L
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LOWER BC     AMMONIA NITROGEN                          0.150     mg/L
LOWER BC     NITRATE NITROGEN                          0.084     mg/L
LOWER BC     CHLOROPHYLL A                            19.000     µg/L
ENDATA27

$$$ DATA TYPE 28 (DAM DATA) $$$

CARD TYPE     ELEMENT   NAME                  EQN      "A"       "B"       "H"

ENDATA28

$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$

CARD TYPE       PARAMETER     COL 1     COL 2     COL 3     COL 4     COL 5     COL 6     COL 7     COL 8

ENDATA29

$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$

NUMBER OF PLOTS =  4
NUMBER OF REACHES IN PLOT 1 =   6
PLOT RCH  1  3  4  6  8  9
NUMBER OF REACHES IN PLOT 2 =   1
PLOT RCH  2
NUMBER OF REACHES IN PLOT 3 =   1
PLOT RCH  5
NUMBER OF REACHES IN PLOT 4 =   1
PLOT RCH  7
ENDATA30

$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$

OVERLAY 1 Pont.ovl                        :Pontchatoula Creek
OVERLAY 2 Pont_trib.ovl                   :Pontchatoula Trib.
OVERLAY 3 Epont.ovl                       :East Pontchatoula
OVERLAY 4 Arn.ovl                         :Arnold's Creek
ENDATA31

     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....CONSTITUENT CALCULATIONS COMPLETED
 ***** WARNING:  NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
     .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
     .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
     .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
     .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14

INTERMEDIATE REPORT
 Dissolved Oxygen                                          LA-QUAL Model for Ponchatoula Creek Watershed
     mg/L                                                  Baseline Simulation
```

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 6.99 | 7.07 | 7.13 | 7.17 | 7.20 | 7.23 | 7.25 | 7.27 | 7.29 | 7.31 |
| P6 | 1 | 11 | 7.32 | 7.33 | 7.35 | 7.36 | 7.37 | 7.38 | 7.39 | 7.40 | 7.40 | 7.41 |
| P6 | 1 | 21 | 7.37 | 7.40 | 7.42 | 7.43 | 7.44 | 7.45 | 7.46 | 7.46 | 7.47 | 7.47 |
| P6 | 1 | 31 | 7.48 | 7.48 | 7.48 | 7.49 | 7.49 | 7.49 | 7.50 | 7.50 | 7.50 | 7.51 |
| P6 | 1 | 41 | 7.51 | 5.60 | 5.52 | 5.54 | 5.63 | 5.74 | 5.86 | 5.98 | 6.11 | 6.22 |
| P6 | 1 | 51 | 6.33 | 6.42 | 6.51 | 6.60 | 6.67 | 6.74 | 6.81 | 6.87 | 6.92 | 6.97 |
| P6 | 1 | 61 | 7.01 | 7.05 | 7.09 | 7.13 | 7.16 | 7.19 | 7.21 | 7.24 | 7.26 | 7.28 |
| P6 | 1 | 71 | 7.30 | 7.32 | 7.34 | 7.35 | 7.36 | 7.38 | 7.39 | 7.40 | 7.41 | 7.42 |
| P6 | 1 | 81 | 7.43 | 5.99 | 5.91 | 5.90 | 5.93 | 5.99 | 6.06 | 6.14 | 6.23 | 6.31 |
| P6 | 1 | 91 | 6.39 | 6.46 | 5.64 | 5.63 | 5.65 | 5.71 | 5.77 | 5.85 | 5.93 | 6.01 |
| P6 | 1 | 101 | 6.09 | 6.17 | 6.24 | 6.32 | 6.39 | 6.45 | 6.51 | 6.57 | 6.62 | 6.67 |
| P6 | 1 | 111 | 6.72 | 6.77 | 6.81 | 6.85 | 6.89 | 6.92 | 6.96 | 6.99 | 7.02 | 7.05 |
| P6 | 1 | 121 | 7.07 | 7.10 | | | | | | | | |
| P5 | 3 | 203 | 7.09 | 7.14 | 7.18 | 7.22 | 7.24 | 7.26 | 7.28 | 7.29 | 7.30 | 7.31 |
| P5 | 3 | 213 | 7.25 | 7.27 | 7.28 | 7.29 | 7.30 | 7.31 | 7.32 | 7.27 | 7.28 | 7.29 |
| P5 | 3 | 223 | 7.30 | 7.31 | 7.31 | 7.32 | 7.32 | 7.32 | 7.33 | 7.33 | 7.34 | 7.34 |
| P5 | 3 | 233 | 7.34 | 7.35 | 7.35 | 7.15 | 7.17 | 7.19 | 7.49 | | | |
| P4 | 4 | 240 | 8.06 | 8.04 | 8.01 | 7.98 | 7.95 | 7.92 | 7.90 | 7.87 | 7.84 | 7.81 |
| P4 | 4 | 250 | 7.77 | 7.74 | 7.71 | 7.68 | 7.64 | 7.61 | 7.57 | 7.54 | 7.50 | 7.46 |
| P4 | 4 | 260 | 7.42 | 7.38 | 7.33 | 7.28 | 7.24 | 7.18 | 7.13 | 7.07 | 7.00 | 6.94 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P4 | 4 | 270 | 6.86 | 6.78 | 6.68 | 6.58 | 6.46 | 6.32 | 6.15 | 5.94 | 6.14 | 5.50 |
| P3 | 6 | 389 | 4.38 | 5.29 | 5.78 | 6.08 | 6.24 | 6.38 | 6.48 | 6.56 | 6.61 | 6.66 |
| P3 | 6 | 399 | 6.70 | 6.72 | 6.75 | 6.77 | 6.78 | 6.80 | 6.81 | 6.82 | 6.83 | 6.84 |
| P3 | 6 | 409 | 6.84 | 6.85 | 6.85 | 6.86 | 6.86 | 6.86 | 6.86 | 6.87 | 6.87 | 6.87 |
| P3 | 6 | 419 | 6.87 | 6.87 | 6.87 | 6.87 | 6.88 | 6.88 | 6.88 | 6.88 | 6.88 | 6.84 |
| P3 | 6 | 429 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 |
| P3 | 6 | 439 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 |
| P3 | 6 | 449 | 6.85 | 6.85 | 6.85 | 6.83 | 6.83 | 6.83 | 6.83 | 6.82 | 6.82 | 6.82 |
| P3 | 6 | 459 | 6.82 | 6.82 | 6.82 | 6.82 | 6.82 | 6.82 | 6.82 | 6.82 | 6.82 | 6.82 |
| P3 | 6 | 469 | 6.81 | 6.81 | 6.81 | 6.81 | 6.81 | 6.81 | 6.81 | 6.81 | 6.81 | 6.81 |
| P3 | 6 | 479 | 6.81 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.45 | | |
| P2 | 8 | 561 | 6.28 | 6.19 | 6.09 | 6.01 | 5.92 | 5.84 | 5.76 | 5.69 | 5.62 | 5.55 |
| P2 | 8 | 571 | 5.49 | 5.43 | 5.37 | 5.31 | 5.26 | 5.21 | 5.16 | 5.11 | 5.07 | 5.03 |
| P2 | 8 | 581 | 4.99 | 4.95 | 4.91 | 4.88 | 4.85 | 4.82 | 4.79 | 4.77 | 4.75 | 4.73 |
| P2 | 8 | 591 | 4.71 | 4.70 | 4.69 | 4.69 | 4.69 | 4.69 | 4.71 | 4.73 | 4.76 | 4.80 |
| P2 | 8 | 601 | 4.85 | 4.93 | 5.03 | | | | | | | |
| P1 | 9 | 604 | 5.05 | 5.06 | 5.07 | 5.08 | 5.09 | 5.10 | 5.11 | 5.13 | 5.14 | 5.15 |
| P1 | 9 | 614 | 5.16 | 5.18 | 5.19 | 5.20 | 5.22 | 5.23 | 5.24 | 5.26 | 5.27 | 5.29 |
| P1 | 9 | 624 | 5.30 | 5.32 | 5.33 | 5.34 | 5.36 | 5.37 | 5.39 | 5.40 | 5.42 | 5.44 |
| P1 | 9 | 634 | 5.45 | 5.47 | 5.49 | 5.50 | 5.52 | 5.54 | 5.56 | 5.58 | 5.60 | 5.62 |
| P1 | 9 | 644 | 5.64 | 5.66 | 5.69 | 5.71 | 5.73 | 5.76 | 5.79 | 5.82 | 5.85 | 5.88 |
| P1 | 9 | 654 | 5.92 | 5.95 | 5.99 | 6.03 | 6.07 | 6.12 | 6.17 | 6.22 | 6.27 | 6.33 |
| P1 | 9 | 664 | 6.39 | 6.46 | 6.53 | 6.60 | 6.68 | 6.76 | | | | |
| PT | 2 | 123 | 7.04 | 7.18 | 7.27 | 7.33 | 7.38 | 7.41 | 7.43 | 7.45 | 7.46 | 7.47 |
| PT | 2 | 133 | 7.47 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.49 | 7.49 | 7.49 |
| PT | 2 | 143 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 |
| PT | 2 | 153 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 |
| PT | 2 | 163 | 7.49 | 7.49 | 7.49 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 |
| PT | 2 | 173 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 |
| PT | 2 | 183 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 |
| PT | 2 | 193 | 6.33 | 6.55 | 6.20 | 6.38 | 6.53 | 6.65 | 6.76 | 6.84 | 6.92 | 6.98 |
| EP | 5 | 280 | 5.23 | 4.52 | 4.21 | 4.07 | 4.00 | 3.97 | 3.96 | 3.95 | 3.94 | 3.94 |
| EP | 5 | 290 | 3.93 | 3.93 | 3.92 | 3.92 | 3.91 | 3.91 | 3.90 | 3.90 | 3.89 | 3.89 |
| EP | 5 | 300 | 3.88 | 3.87 | 3.46 | 3.37 | 3.33 | 3.32 | 3.33 | 3.35 | 3.37 | 3.39 |
| EP | 5 | 310 | 3.41 | 3.43 | 3.45 | 3.47 | 3.48 | 3.50 | 3.51 | 3.52 | 3.53 | 3.37 |
| EP | 5 | 320 | 3.34 | 3.33 | 3.32 | 3.33 | 3.34 | 3.35 | 3.36 | 3.37 | 3.38 | 3.39 |
| EP | 5 | 330 | 3.40 | 3.41 | 3.42 | 3.40 | 3.39 | 3.39 | 3.39 | 3.40 | 3.40 | 3.40 |
| EP | 5 | 340 | 3.34 | 3.33 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.32 | 3.33 | 3.33 |
| EP | 5 | 350 | 3.33 | 3.33 | 3.34 | 3.34 | 3.34 | 3.34 | 3.34 | 3.34 | 3.14 | 3.01 |
| EP | 5 | 360 | 2.92 | 2.86 | 2.82 | 2.79 | 2.78 | 2.77 | 2.77 | 2.78 | 2.78 | 2.79 |
| EP | 5 | 370 | 2.80 | 2.82 | 2.83 | 2.84 | 2.85 | 2.87 | 2.88 | 2.89 | 2.90 | 2.91 |
| EP | 5 | 380 | 2.92 | 2.93 | 2.94 | 2.95 | 2.96 | 2.97 | 2.97 | 2.98 | 2.99 | |
| AC | 7 | 487 | 6.10 | 5.91 | 5.91 | 5.95 | 6.01 | 6.06 | 6.10 | 6.13 | 6.16 | 6.19 |
| AC | 7 | 497 | 6.21 | 6.23 | 6.13 | 6.23 | 6.28 | 6.30 | 6.31 | 6.32 | 6.33 | 6.34 |
| AC | 7 | 507 | 6.35 | 6.36 | 6.37 | 6.37 | 6.38 | 6.38 | 6.39 | 6.39 | 6.40 | 6.40 |
| AC | 7 | 517 | 6.41 | 6.41 | 6.42 | 6.42 | 6.42 | 6.43 | 6.43 | 6.43 | 6.43 | 6.44 |
| AC | 7 | 527 | 6.44 | 6.44 | 6.44 | 6.45 | 6.45 | 6.45 | 6.45 | 6.44 | 6.45 | 6.45 |
| AC | 7 | 537 | 6.46 | 6.46 | 6.46 | 6.46 | 6.46 | 6.46 | 6.46 | 6.46 | 6.46 | 5.67 |
| AC | 7 | 547 | 5.70 | 5.80 | 5.91 | 6.01 | 6.10 | 6.16 | 6.22 | 6.26 | 6.29 | 6.32 |
| AC | 7 | 557 | 6.34 | 6.36 | 6.37 | 6.38 | | | | | | |

INTERMEDIATE REPORT
Effective BOD1
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 15.49 | 14.99 | 14.50 | 14.02 | 13.56 | 13.11 | 12.67 | 12.24 | 11.83 | 11.43 |
| P6 | 1 | 11 | 11.05 | 10.67 | 10.31 | 9.96 | 9.62 | 9.29 | 8.98 | 8.67 | 8.38 | 8.09 |
| P6 | 1 | 21 | 7.71 | 7.44 | 7.19 | 6.94 | 6.71 | 6.48 | 6.26 | 6.04 | 5.84 | 5.64 |
| P6 | 1 | 31 | 5.45 | 5.26 | 5.08 | 4.91 | 4.74 | 4.58 | 4.43 | 4.28 | 4.13 | 4.00 |
| P6 | 1 | 41 | 3.86 | 23.20 | 22.54 | 21.87 | 21.20 | 20.52 | 19.85 | 19.18 | 18.52 | 17.87 |
| P6 | 1 | 51 | 17.23 | 16.60 | 15.98 | 15.37 | 14.79 | 14.21 | 13.65 | 13.11 | 12.58 | 12.07 |
| P6 | 1 | 61 | 11.57 | 11.09 | 10.62 | 10.18 | 9.74 | 9.32 | 8.92 | 8.53 | 8.15 | 7.79 |
| P6 | 1 | 71 | 7.44 | 7.11 | 6.79 | 6.48 | 6.18 | 5.89 | 5.62 | 5.35 | 5.10 | 4.86 |
| P6 | 1 | 81 | 4.62 | 19.40 | 18.90 | 18.41 | 17.91 | 17.41 | 16.92 | 16.43 | 15.95 | 15.47 |
| P6 | 1 | 91 | 14.99 | 14.53 | 23.07 | 22.53 | 22.00 | 21.46 | 20.93 | 20.41 | 19.89 | 19.37 |
| P6 | 1 | 101 | 18.86 | 18.36 | 17.86 | 17.37 | 16.89 | 16.42 | 15.95 | 15.50 | 15.05 | 14.61 |
| P6 | 1 | 111 | 14.18 | 13.75 | 13.34 | 12.93 | 12.54 | 12.15 | 11.77 | 11.40 | 11.04 | 10.69 |
| P6 | 1 | 121 | 10.34 | 10.01 | | | | | | | | |
| P5 | 3 | 203 | 15.86 | 15.72 | 15.60 | 15.49 | 15.39 | 15.30 | 15.22 | 15.14 | 15.08 | 15.02 |
| P5 | 3 | 213 | 15.88 | 15.82 | 15.76 | 15.71 | 15.67 | 15.63 | 15.60 | 16.44 | 16.41 | 16.37 |
| P5 | 3 | 223 | 16.35 | 16.33 | 16.31 | 16.29 | 16.29 | 16.38 | 16.37 | 16.38 | 16.38 | 16.39 |
| P5 | 3 | 233 | 16.40 | 16.41 | 16.42 | 19.50 | 19.49 | 19.48 | 17.15 | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P4 | 4 | 240 | 13.02 | 13.00 | 12.97 | 12.96 | 12.94 | 12.93 | 12.92 | 12.92 | 12.93 | 12.94 |
| P4 | 4 | 250 | 12.96 | 12.98 | 13.02 | 13.06 | 13.11 | 13.16 | 13.23 | 13.31 | 13.40 | 13.51 |
| P4 | 4 | 260 | 13.63 | 13.76 | 13.91 | 14.08 | 14.27 | 14.49 | 14.73 | 14.99 | 15.29 | 15.63 |
| P4 | 4 | 270 | 16.00 | 16.42 | 16.89 | 17.42 | 18.01 | 18.68 | 19.43 | 20.29 | 14.75 | 15.47 |
| P3 | 6 | 389 | 16.45 | 19.51 | 21.45 | 22.79 | 24.24 | 24.94 | 25.49 | 25.94 | 26.32 | 26.64 |
| P3 | 6 | 399 | 26.92 | 27.16 | 27.37 | 27.56 | 27.73 | 27.88 | 28.02 | 28.15 | 28.26 | 28.37 |
| P3 | 6 | 409 | 28.47 | 28.57 | 28.66 | 28.74 | 28.82 | 28.90 | 28.97 | 29.04 | 29.10 | 29.17 |
| P3 | 6 | 419 | 29.23 | 29.28 | 29.34 | 29.39 | 29.44 | 29.50 | 29.54 | 29.59 | 29.64 | 29.89 |
| P3 | 6 | 429 | 29.93 | 29.97 | 30.01 | 30.04 | 30.08 | 30.11 | 30.15 | 30.18 | 30.22 | 30.25 |
| P3 | 6 | 439 | 30.28 | 30.31 | 30.35 | 30.38 | 30.41 | 30.44 | 30.47 | 30.50 | 30.53 | 30.56 |
| P3 | 6 | 449 | 30.59 | 30.62 | 30.65 | 30.81 | 30.83 | 30.86 | 30.89 | 30.90 | 30.92 | 30.95 |
| P3 | 6 | 459 | 30.98 | 31.00 | 31.03 | 31.05 | 31.08 | 31.10 | 31.13 | 31.15 | 31.18 | 31.20 |
| P3 | 6 | 469 | 31.23 | 31.25 | 31.28 | 31.30 | 31.32 | 31.35 | 31.37 | 31.40 | 31.42 | 31.45 |
| P3 | 6 | 479 | 31.47 | 31.49 | 31.52 | 31.54 | 31.56 | 31.59 | 31.61 | 31.38 | | |
| P2 | 8 | 561 | 31.26 | 31.22 | 31.18 | 31.15 | 31.12 | 31.10 | 31.04 | 30.99 | 30.93 | 30.87 |
| P2 | 8 | 571 | 30.81 | 30.76 | 30.70 | 30.64 | 30.59 | 30.53 | 30.48 | 30.42 | 30.36 | 30.31 |
| P2 | 8 | 581 | 30.25 | 30.20 | 30.14 | 30.08 | 30.00 | 29.92 | 29.82 | 29.72 | 29.60 | 29.47 |
| P2 | 8 | 591 | 29.32 | 29.14 | 28.94 | 28.70 | 28.42 | 28.08 | 27.67 | 27.18 | 26.59 | 25.86 |
| P2 | 8 | 601 | 24.98 | 23.89 | 22.56 | | | | | | | |
| P1 | 9 | 604 | 22.32 | 22.19 | 22.07 | 21.95 | 21.83 | 21.72 | 21.61 | 21.51 | 21.41 | 21.31 |
| P1 | 9 | 614 | 21.22 | 21.13 | 21.04 | 20.96 | 20.88 | 20.81 | 20.74 | 20.68 | 20.62 | 20.56 |
| P1 | 9 | 624 | 20.51 | 20.46 | 20.42 | 20.39 | 20.35 | 20.33 | 20.31 | 20.29 | 20.28 | 20.27 |
| P1 | 9 | 634 | 20.27 | 20.27 | 20.28 | 20.30 | 20.32 | 20.35 | 20.38 | 20.42 | 20.47 | 20.52 |
| P1 | 9 | 644 | 20.58 | 20.65 | 20.72 | 20.80 | 20.89 | 20.98 | 21.08 | 21.19 | 21.31 | 21.43 |
| P1 | 9 | 654 | 21.57 | 21.71 | 21.86 | 22.02 | 22.19 | 22.37 | 22.55 | 22.75 | 22.96 | 23.17 |
| P1 | 9 | 664 | 23.40 | 23.64 | 23.89 | 24.15 | 24.42 | 24.70 | | | | |
| PT | 2 | 123 | 21.84 | 21.68 | 21.52 | 21.36 | 21.21 | 21.05 | 20.90 | 20.75 | 20.59 | 20.44 |
| PT | 2 | 133 | 20.29 | 20.14 | 19.99 | 19.85 | 19.70 | 19.55 | 19.41 | 19.27 | 19.12 | 18.98 |
| PT | 2 | 143 | 18.84 | 18.70 | 18.56 | 18.43 | 18.29 | 18.15 | 18.02 | 17.88 | 17.75 | 17.62 |
| PT | 2 | 153 | 17.49 | 17.35 | 17.22 | 17.10 | 16.97 | 16.84 | 16.71 | 16.59 | 16.46 | 16.34 |
| PT | 2 | 163 | 16.22 | 16.09 | 15.97 | 15.85 | 15.73 | 15.61 | 15.49 | 15.37 | 15.26 | 15.14 |
| PT | 2 | 173 | 15.03 | 14.91 | 14.80 | 14.68 | 14.57 | 14.46 | 14.35 | 14.24 | 14.13 | 14.02 |
| PT | 2 | 183 | 13.91 | 13.80 | 13.70 | 13.59 | 13.49 | 13.38 | 13.28 | 13.17 | 13.07 | 12.97 |
| PT | 2 | 193 | 18.24 | 18.18 | 19.97 | 19.91 | 19.86 | 19.81 | 19.75 | 19.70 | 19.65 | 19.59 |
| EP | 5 | 280 | 12.58 | 12.20 | 11.85 | 11.53 | 11.23 | 10.96 | 10.71 | 10.48 | 10.26 | 10.06 |
| EP | 5 | 290 | 9.88 | 9.70 | 9.54 | 9.39 | 9.25 | 9.11 | 8.99 | 8.87 | 8.76 | 8.66 |
| EP | 5 | 300 | 8.56 | 8.46 | 16.32 | 15.94 | 15.57 | 15.21 | 14.87 | 14.54 | 14.22 | 13.91 |
| EP | 5 | 310 | 13.61 | 13.33 | 13.06 | 12.79 | 12.54 | 12.30 | 12.06 | 11.84 | 11.62 | 14.80 |
| EP | 5 | 320 | 14.52 | 14.24 | 13.97 | 13.71 | 13.46 | 13.21 | 12.98 | 12.75 | 12.53 | 12.31 |
| EP | 5 | 330 | 12.11 | 11.91 | 11.71 | 12.23 | 12.03 | 11.84 | 11.65 | 11.47 | 11.30 | 11.13 |
| EP | 5 | 340 | 12.42 | 12.24 | 12.05 | 11.88 | 11.70 | 11.53 | 11.37 | 11.21 | 11.06 | 10.90 |
| EP | 5 | 350 | 10.76 | 10.62 | 10.48 | 10.34 | 10.21 | 10.08 | 9.96 | 9.84 | 18.12 | 17.89 |
| EP | 5 | 360 | 17.66 | 17.43 | 17.21 | 16.99 | 16.77 | 16.55 | 16.34 | 16.13 | 15.93 | 15.72 |
| EP | 5 | 370 | 15.52 | 15.33 | 15.14 | 14.95 | 14.76 | 14.58 | 14.39 | 14.22 | 14.04 | 13.87 |
| EP | 5 | 380 | 13.70 | 13.54 | 13.37 | 13.21 | 13.05 | 12.90 | 12.75 | 12.60 | 12.45 | |
| AC | 7 | 487 | 24.42 | 22.94 | 21.55 | 20.27 | 19.08 | 17.98 | 16.97 | 16.04 | 15.17 | 14.35 |
| AC | 7 | 497 | 13.59 | 12.88 | 11.68 | 11.12 | 10.59 | 10.09 | 9.62 | 9.18 | 8.77 | 8.38 |
| AC | 7 | 507 | 8.02 | 7.68 | 7.35 | 7.05 | 6.77 | 6.50 | 6.25 | 6.01 | 5.79 | 5.58 |
| AC | 7 | 517 | 5.39 | 5.21 | 5.03 | 4.87 | 4.72 | 4.58 | 4.44 | 4.32 | 4.20 | 4.08 |
| AC | 7 | 527 | 3.98 | 3.88 | 3.79 | 3.70 | 3.62 | 3.54 | 3.47 | 3.40 | 3.33 | 3.28 |
| AC | 7 | 537 | 3.22 | 3.17 | 3.12 | 3.07 | 3.03 | 2.99 | 2.95 | 2.91 | 2.88 | 10.75 |
| AC | 7 | 547 | 10.25 | 9.75 | 9.26 | 8.80 | 8.36 | 7.96 | 7.58 | 7.24 | 6.93 | 6.65 |
| AC | 7 | 557 | 6.40 | 6.18 | 5.97 | 5.78 | | | | | | |

INTERMEDIATE REPORT
Biochemical Oxygen Demand
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 15.33 | 14.83 | 14.34 | 13.86 | 13.40 | 12.95 | 12.51 | 12.08 | 11.67 | 11.27 |
| P6 | 1 | 11 | 10.89 | 10.51 | 10.15 | 9.80 | 9.46 | 9.13 | 8.82 | 8.51 | 8.22 | 7.93 |
| P6 | 1 | 21 | 7.55 | 7.28 | 7.03 | 6.78 | 6.55 | 6.32 | 6.10 | 5.88 | 5.68 | 5.48 |
| P6 | 1 | 31 | 5.29 | 5.10 | 4.92 | 4.75 | 4.58 | 4.42 | 4.27 | 4.12 | 3.97 | 3.84 |
| P6 | 1 | 41 | 3.70 | 23.04 | 22.38 | 21.71 | 21.04 | 20.36 | 19.69 | 19.02 | 18.36 | 17.71 |
| P6 | 1 | 51 | 17.07 | 16.44 | 15.82 | 15.21 | 14.63 | 14.05 | 13.49 | 12.95 | 12.42 | 11.91 |
| P6 | 1 | 61 | 11.41 | 10.93 | 10.46 | 10.02 | 9.58 | 9.16 | 8.76 | 8.37 | 7.99 | 7.63 |
| P6 | 1 | 71 | 7.28 | 6.95 | 6.63 | 6.32 | 6.02 | 5.73 | 5.46 | 5.19 | 4.94 | 4.70 |
| P6 | 1 | 81 | 4.46 | 19.24 | 18.74 | 18.25 | 17.75 | 17.25 | 16.76 | 16.27 | 15.79 | 15.31 |
| P6 | 1 | 91 | 14.83 | 14.37 | 22.91 | 22.37 | 21.84 | 21.30 | 20.77 | 20.25 | 19.73 | 19.21 |
| P6 | 1 | 101 | 18.70 | 18.20 | 17.70 | 17.21 | 16.73 | 16.26 | 15.79 | 15.34 | 14.89 | 14.45 |
| P6 | 1 | 111 | 14.01 | 13.59 | 13.18 | 12.77 | 12.38 | 11.99 | 11.61 | 11.24 | 10.88 | 10.53 |
| P6 | 1 | 121 | 10.18 | 9.85 | | | | | | | | |
| P5 | 3 | 203 | 15.58 | 15.33 | 15.09 | 14.86 | 14.65 | 14.44 | 14.24 | 14.05 | 13.86 | 13.69 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P5 | 3 | 213 | 14.43 | 14.25 | 14.08 | 13.92 | 13.76 | 13.60 | 13.45 | 14.18 | 14.02 | 13.88 |
| P5 | 3 | 223 | 13.73 | 13.59 | 13.46 | 13.33 | 13.20 | 13.18 | 13.06 | 12.94 | 12.83 | 12.72 |
| P5 | 3 | 233 | 12.61 | 12.51 | 12.41 | 15.37 | 15.24 | 15.11 | 12.66 | | | |
| P4 | 4 | 240 | 8.65 | 8.72 | 8.81 | 8.89 | 8.99 | 9.08 | 9.18 | 9.29 | 9.40 | 9.52 |
| P4 | 4 | 250 | 9.64 | 9.77 | 9.91 | 10.06 | 10.21 | 10.38 | 10.55 | 10.74 | 10.93 | 11.15 |
| P4 | 4 | 260 | 11.37 | 11.61 | 11.87 | 12.14 | 12.44 | 12.76 | 13.11 | 13.48 | 13.89 | 14.33 |
| P4 | 4 | 270 | 14.81 | 15.33 | 15.91 | 16.54 | 17.24 | 18.01 | 18.88 | 19.84 | 14.41 | 15.23 |
| P3 | 6 | 389 | 16.19 | 19.23 | 21.15 | 22.47 | 23.89 | 24.57 | 25.10 | 25.53 | 25.89 | 26.19 |
| P3 | 6 | 399 | 26.44 | 26.66 | 26.85 | 27.01 | 27.16 | 27.29 | 27.41 | 27.52 | 27.61 | 27.70 |
| P3 | 6 | 409 | 27.78 | 27.86 | 27.92 | 27.99 | 28.04 | 28.10 | 28.15 | 28.19 | 28.24 | 28.28 |
| P3 | 6 | 419 | 28.32 | 28.35 | 28.39 | 28.42 | 28.45 | 28.48 | 28.51 | 28.53 | 28.56 | 28.79 |
| P3 | 6 | 429 | 28.81 | 28.82 | 28.84 | 28.85 | 28.87 | 28.88 | 28.90 | 28.91 | 28.92 | 28.93 |
| P3 | 6 | 439 | 28.94 | 28.95 | 28.97 | 28.98 | 28.99 | 28.99 | 29.00 | 29.01 | 29.02 | 29.03 |
| P3 | 6 | 449 | 29.04 | 29.04 | 29.05 | 29.19 | 29.19 | 29.20 | 29.20 | 29.19 | 29.20 | 29.20 |
| P3 | 6 | 459 | 29.21 | 29.21 | 29.21 | 29.22 | 29.22 | 29.23 | 29.23 | 29.23 | 29.24 | 29.24 |
| P3 | 6 | 469 | 29.24 | 29.25 | 29.25 | 29.25 | 29.25 | 29.26 | 29.26 | 29.26 | 29.27 | 29.27 |
| P3 | 6 | 479 | 29.27 | 29.27 | 29.28 | 29.28 | 29.28 | 29.28 | 29.28 | 29.03 | | |
| P2 | 8 | 561 | 28.92 | 28.88 | 28.85 | 28.83 | 28.81 | 28.80 | 28.75 | 28.70 | 28.65 | 28.60 |
| P2 | 8 | 571 | 28.55 | 28.50 | 28.45 | 28.40 | 28.35 | 28.30 | 28.25 | 28.20 | 28.16 | 28.11 |
| P2 | 8 | 581 | 28.06 | 28.01 | 27.96 | 27.91 | 27.84 | 27.76 | 27.67 | 27.58 | 27.47 | 27.34 |
| P2 | 8 | 591 | 27.20 | 27.03 | 26.84 | 26.60 | 26.33 | 26.00 | 25.60 | 25.12 | 24.53 | 23.81 |
| P2 | 8 | 601 | 22.93 | 21.85 | 20.53 | | | | | | | |
| P1 | 9 | 604 | 20.29 | 20.16 | 20.04 | 19.92 | 19.80 | 19.69 | 19.58 | 19.48 | 19.38 | 19.28 |
| P1 | 9 | 614 | 19.19 | 19.10 | 19.01 | 18.93 | 18.85 | 18.78 | 18.71 | 18.65 | 18.59 | 18.53 |
| P1 | 9 | 624 | 18.48 | 18.44 | 18.39 | 18.36 | 18.33 | 18.30 | 18.28 | 18.26 | 18.25 | 18.24 |
| P1 | 9 | 634 | 18.24 | 18.25 | 18.26 | 18.27 | 18.29 | 18.32 | 18.35 | 18.39 | 18.44 | 18.49 |
| P1 | 9 | 644 | 18.55 | 18.62 | 18.69 | 18.77 | 18.86 | 18.95 | 19.05 | 19.16 | 19.28 | 19.41 |
| P1 | 9 | 654 | 19.54 | 19.68 | 19.83 | 19.99 | 20.16 | 20.34 | 20.52 | 20.72 | 20.93 | 21.14 |
| P1 | 9 | 664 | 21.37 | 21.61 | 21.86 | 22.12 | 22.39 | 22.67 | | | | |
| PT | 2 | 123 | 21.20 | 21.05 | 20.90 | 20.75 | 20.60 | 20.45 | 20.30 | 20.15 | 20.01 | 19.86 |
| PT | 2 | 133 | 19.72 | 19.57 | 19.43 | 19.29 | 19.15 | 19.01 | 18.87 | 18.73 | 18.60 | 18.46 |
| PT | 2 | 143 | 18.33 | 18.19 | 18.06 | 17.93 | 17.80 | 17.67 | 17.54 | 17.41 | 17.28 | 17.16 |
| PT | 2 | 153 | 17.03 | 16.91 | 16.78 | 16.66 | 16.54 | 16.42 | 16.30 | 16.18 | 16.06 | 15.94 |
| PT | 2 | 163 | 15.82 | 15.70 | 15.59 | 15.47 | 15.36 | 15.25 | 15.13 | 15.02 | 14.91 | 14.80 |
| PT | 2 | 173 | 14.69 | 14.58 | 14.48 | 14.37 | 14.26 | 14.16 | 14.05 | 13.95 | 13.84 | 13.74 |
| PT | 2 | 183 | 13.64 | 13.54 | 13.44 | 13.34 | 13.24 | 13.14 | 13.04 | 12.94 | 12.85 | 12.75 |
| PT | 2 | 193 | 18.03 | 17.97 | 19.76 | 19.72 | 19.67 | 19.62 | 19.57 | 19.53 | 19.48 | 19.43 |
| EP | 5 | 280 | 12.05 | 11.67 | 11.32 | 11.00 | 10.71 | 10.44 | 10.20 | 9.97 | 9.75 | 9.56 |
| EP | 5 | 290 | 9.37 | 9.20 | 9.04 | 8.89 | 8.75 | 8.62 | 8.50 | 8.39 | 8.28 | 8.18 |
| EP | 5 | 300 | 8.08 | 7.99 | 15.85 | 15.47 | 15.10 | 14.75 | 14.41 | 14.08 | 13.76 | 13.46 |
| EP | 5 | 310 | 13.16 | 12.88 | 12.61 | 12.35 | 12.10 | 11.86 | 11.63 | 11.41 | 11.19 | 14.37 |
| EP | 5 | 320 | 14.09 | 13.82 | 13.55 | 13.29 | 13.04 | 12.80 | 12.57 | 12.34 | 12.13 | 11.92 |
| EP | 5 | 330 | 11.71 | 11.51 | 11.32 | 11.84 | 11.64 | 11.46 | 11.27 | 11.10 | 10.93 | 10.76 |
| EP | 5 | 340 | 12.05 | 11.87 | 11.69 | 11.51 | 11.34 | 11.18 | 11.02 | 10.86 | 10.71 | 10.56 |
| EP | 5 | 350 | 10.42 | 10.28 | 10.14 | 10.01 | 9.88 | 9.75 | 9.63 | 9.52 | 17.80 | 17.57 |
| EP | 5 | 360 | 17.34 | 17.12 | 16.90 | 16.68 | 16.46 | 16.25 | 16.04 | 15.84 | 15.63 | 15.43 |
| EP | 5 | 370 | 15.24 | 15.04 | 14.85 | 14.67 | 14.48 | 14.30 | 14.12 | 13.95 | 13.77 | 13.61 |
| EP | 5 | 380 | 13.44 | 13.28 | 13.12 | 12.96 | 12.80 | 12.65 | 12.50 | 12.36 | 12.21 | |
| AC | 7 | 487 | 22.07 | 20.59 | 19.20 | 17.92 | 16.73 | 15.63 | 14.62 | 13.69 | 12.82 | 12.00 |
| AC | 7 | 497 | 11.24 | 10.53 | 9.33 | 8.77 | 8.24 | 7.74 | 7.27 | 6.83 | 6.42 | 6.03 |
| AC | 7 | 507 | 5.67 | 5.33 | 5.00 | 4.70 | 4.42 | 4.15 | 3.90 | 3.66 | 3.44 | 3.24 |
| AC | 7 | 517 | 3.04 | 2.86 | 2.68 | 2.52 | 2.37 | 2.23 | 2.09 | 1.97 | 1.85 | 1.74 |
| AC | 7 | 527 | 1.63 | 1.53 | 1.44 | 1.35 | 1.27 | 1.19 | 1.12 | 1.05 | 0.98 | 0.93 |
| AC | 7 | 537 | 0.87 | 0.82 | 0.77 | 0.72 | 0.68 | 0.64 | 0.60 | 0.56 | 0.53 | 8.40 |
| AC | 7 | 547 | 7.90 | 7.40 | 6.91 | 6.45 | 6.01 | 5.61 | 5.23 | 4.89 | 4.58 | 4.30 |
| AC | 7 | 557 | 4.05 | 3.83 | 3.62 | 3.43 | | | | | | |

INTERMEDIATE REPORT
Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.27 | 1.27 | 1.26 | 1.25 | 1.25 | 1.24 | 1.24 | 1.23 | 1.23 | 1.22 |
| P6 | 1 | 11 | 1.21 | 1.21 | 1.20 | 1.20 | 1.19 | 1.19 | 1.18 | 1.17 | 1.17 | 1.16 |
| P6 | 1 | 21 | 1.14 | 1.14 | 1.13 | 1.13 | 1.12 | 1.12 | 1.11 | 1.11 | 1.10 | 1.10 |
| P6 | 1 | 31 | 1.09 | 1.09 | 1.08 | 1.08 | 1.07 | 1.07 | 1.06 | 1.06 | 1.05 | 1.05 |
| P6 | 1 | 41 | 1.04 | 2.26 | 2.25 | 2.25 | 2.24 | 2.23 | 2.22 | 2.22 | 2.21 | 2.20 |
| P6 | 1 | 51 | 2.19 | 2.19 | 2.18 | 2.17 | 2.16 | 2.16 | 2.15 | 2.14 | 2.13 | 2.13 |
| P6 | 1 | 61 | 2.12 | 2.11 | 2.11 | 2.10 | 2.09 | 2.08 | 2.08 | 2.07 | 2.06 | 2.06 |
| P6 | 1 | 71 | 2.05 | 2.04 | 2.04 | 2.03 | 2.02 | 2.02 | 2.01 | 2.00 | 1.99 | 1.99 |
| P6 | 1 | 81 | 1.98 | 2.71 | 2.70 | 2.69 | 2.69 | 2.68 | 2.67 | 2.66 | 2.66 | 2.65 |
| P6 | 1 | 91 | 2.64 | 2.63 | 3.02 | 3.01 | 3.01 | 3.00 | 2.99 | 2.99 | 2.98 | 2.97 |
| P6 | 1 | 101 | 2.97 | 2.96 | 2.95 | 2.95 | 2.94 | 2.93 | 2.92 | 2.92 | 2.91 | 2.90 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 111 | 2.90 | 2.89 | 2.88 | 2.88 | 2.87 | 2.86 | 2.86 | 2.85 | 2.85 | 2.84 |
| P6 | 1 | 121 | 2.83 | 2.83 | | | | | | | | |
| P5 | 3 | 203 | 2.96 | 2.93 | 2.91 | 2.89 | 2.86 | 2.84 | 2.82 | 2.80 | 2.78 | 2.77 |
| P5 | 3 | 213 | 2.79 | 2.77 | 2.75 | 2.74 | 2.72 | 2.71 | 2.69 | 2.72 | 2.71 | 2.69 |
| P5 | 3 | 223 | 2.68 | 2.67 | 2.65 | 2.64 | 2.63 | 2.62 | 2.61 | 2.60 | 2.59 | 2.58 |
| P5 | 3 | 233 | 2.57 | 2.56 | 2.55 | 2.64 | 2.63 | 2.62 | 2.33 | | | |
| P4 | 4 | 240 | 1.84 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.85 | 1.86 | 1.86 | 1.86 |
| P4 | 4 | 250 | 1.86 | 1.87 | 1.87 | 1.87 | 1.87 | 1.88 | 1.88 | 1.88 | 1.89 | 1.89 |
| P4 | 4 | 260 | 1.89 | 1.90 | 1.90 | 1.90 | 1.91 | 1.91 | 1.92 | 1.93 | 1.93 | 1.94 |
| P4 | 4 | 270 | 1.94 | 1.95 | 1.96 | 1.97 | 1.98 | 1.99 | 2.00 | 2.01 | 1.62 | 1.61 |
| P3 | 6 | 389 | 1.59 | 1.46 | 1.38 | 1.32 | 1.31 | 1.28 | 1.25 | 1.22 | 1.20 | 1.19 |
| P3 | 6 | 399 | 1.17 | 1.16 | 1.15 | 1.14 | 1.13 | 1.13 | 1.12 | 1.11 | 1.11 | 1.10 |
| P3 | 6 | 409 | 1.10 | 1.10 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 | 1.08 | 1.07 | 1.07 |
| P3 | 6 | 419 | 1.07 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.08 |
| P3 | 6 | 429 | 1.08 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.06 | 1.06 |
| P3 | 6 | 439 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 | 1.05 |
| P3 | 6 | 449 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| P3 | 6 | 459 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| P3 | 6 | 469 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| P3 | 6 | 479 | 1.05 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.05 | | |
| P2 | 8 | 561 | 1.05 | 1.05 | 1.05 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| P2 | 8 | 571 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| P2 | 8 | 581 | 1.06 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| P2 | 8 | 591 | 1.07 | 1.08 | 1.08 | 1.08 | 1.09 | 1.09 | 1.10 | 1.10 | 1.11 | 1.12 |
| P2 | 8 | 601 | 1.14 | 1.16 | 1.18 | | | | | | | |
| P1 | 9 | 604 | 1.18 | 1.19 | 1.19 | 1.19 | 1.19 | 1.20 | 1.20 | 1.20 | 1.21 | 1.21 |
| P1 | 9 | 614 | 1.21 | 1.21 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 | 1.24 | 1.24 | 1.24 |
| P1 | 9 | 624 | 1.25 | 1.25 | 1.26 | 1.26 | 1.27 | 1.27 | 1.28 | 1.28 | 1.29 | 1.29 |
| P1 | 9 | 634 | 1.30 | 1.30 | 1.31 | 1.32 | 1.32 | 1.33 | 1.34 | 1.34 | 1.35 | 1.36 |
| P1 | 9 | 644 | 1.36 | 1.37 | 1.38 | 1.39 | 1.40 | 1.40 | 1.41 | 1.42 | 1.43 | 1.44 |
| P1 | 9 | 654 | 1.45 | 1.46 | 1.47 | 1.48 | 1.49 | 1.50 | 1.51 | 1.52 | 1.53 | 1.55 |
| P1 | 9 | 664 | 1.56 | 1.57 | 1.58 | 1.60 | 1.61 | 1.62 | | | | |
| PT | 2 | 123 | 3.91 | 3.90 | 3.90 | 3.90 | 3.90 | 3.89 | 3.89 | 3.89 | 3.89 | 3.88 |
| PT | 2 | 133 | 3.88 | 3.88 | 3.88 | 3.87 | 3.87 | 3.87 | 3.87 | 3.86 | 3.86 | 3.86 |
| PT | 2 | 143 | 3.86 | 3.85 | 3.85 | 3.85 | 3.84 | 3.84 | 3.84 | 3.84 | 3.83 | 3.83 |
| PT | 2 | 153 | 3.83 | 3.83 | 3.82 | 3.82 | 3.82 | 3.82 | 3.81 | 3.81 | 3.81 | 3.81 |
| PT | 2 | 163 | 3.80 | 3.80 | 3.80 | 3.80 | 3.79 | 3.79 | 3.79 | 3.79 | 3.78 | 3.78 |
| PT | 2 | 173 | 3.78 | 3.78 | 3.77 | 3.77 | 3.77 | 3.77 | 3.76 | 3.76 | 3.76 | 3.76 |
| PT | 2 | 183 | 3.75 | 3.75 | 3.75 | 3.75 | 3.74 | 3.74 | 3.74 | 3.74 | 3.73 | 3.73 |
| PT | 2 | 193 | 3.89 | 3.88 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 |
| EP | 5 | 280 | 1.10 | 1.10 | 1.10 | 1.09 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 | 1.08 |
| EP | 5 | 290 | 1.07 | 1.07 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| EP | 5 | 300 | 1.05 | 1.05 | 1.58 | 1.57 | 1.56 | 1.55 | 1.54 | 1.53 | 1.52 | 1.51 |
| EP | 5 | 310 | 1.50 | 1.49 | 1.48 | 1.48 | 1.47 | 1.46 | 1.45 | 1.45 | 1.44 | 1.64 |
| EP | 5 | 320 | 1.63 | 1.62 | 1.62 | 1.61 | 1.60 | 1.59 | 1.58 | 1.57 | 1.57 | 1.56 |
| EP | 5 | 330 | 1.55 | 1.54 | 1.54 | 1.58 | 1.57 | 1.56 | 1.56 | 1.55 | 1.54 | 1.54 |
| EP | 5 | 340 | 1.62 | 1.61 | 1.60 | 1.60 | 1.59 | 1.58 | 1.58 | 1.57 | 1.56 | 1.56 |
| EP | 5 | 350 | 1.55 | 1.55 | 1.54 | 1.54 | 1.53 | 1.52 | 1.52 | 1.51 | 1.96 | 1.95 |
| EP | 5 | 360 | 1.94 | 1.94 | 1.93 | 1.92 | 1.91 | 1.91 | 1.90 | 1.89 | 1.89 | 1.88 |
| EP | 5 | 370 | 1.87 | 1.87 | 1.86 | 1.85 | 1.85 | 1.84 | 1.84 | 1.83 | 1.82 | 1.82 |
| EP | 5 | 380 | 1.81 | 1.81 | 1.80 | 1.80 | 1.79 | 1.79 | 1.78 | 1.77 | 1.77 | |
| AC | 7 | 487 | 0.93 | 0.93 | 0.92 | 0.91 | 0.90 | 0.89 | 0.89 | 0.88 | 0.87 | 0.86 |
| AC | 7 | 497 | 0.86 | 0.85 | 0.79 | 0.79 | 0.78 | 0.77 | 0.77 | 0.76 | 0.75 | 0.75 |
| AC | 7 | 507 | 0.74 | 0.74 | 0.73 | 0.72 | 0.72 | 0.71 | 0.70 | 0.70 | 0.69 | 0.69 |
| AC | 7 | 517 | 0.68 | 0.68 | 0.67 | 0.66 | 0.66 | 0.65 | 0.65 | 0.64 | 0.64 | 0.63 |
| AC | 7 | 527 | 0.63 | 0.62 | 0.62 | 0.61 | 0.61 | 0.60 | 0.60 | 0.59 | 0.58 | 0.58 |
| AC | 7 | 537 | 0.57 | 0.57 | 0.56 | 0.56 | 0.55 | 0.55 | 0.54 | 0.54 | 0.54 | 1.07 |
| AC | 7 | 547 | 1.06 | 1.06 | 1.05 | 1.04 | 1.03 | 1.03 | 1.02 | 1.01 | 1.00 | 0.99 |
| AC | 7 | 557 | 0.99 | 0.98 | 0.97 | 0.97 | | | | | | |

INTERMEDIATE REPORT
Effective Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.28 | 1.28 | 1.27 | 1.27 | 1.26 | 1.25 | 1.25 | 1.24 | 1.24 | 1.23 |
| P6 | 1 | 11 | 1.23 | 1.22 | 1.22 | 1.21 | 1.20 | 1.20 | 1.19 | 1.19 | 1.18 | 1.18 |
| P6 | 1 | 21 | 1.16 | 1.15 | 1.14 | 1.14 | 1.13 | 1.13 | 1.12 | 1.12 | 1.11 | 1.11 |
| P6 | 1 | 31 | 1.10 | 1.10 | 1.09 | 1.09 | 1.08 | 1.08 | 1.07 | 1.07 | 1.06 | 1.06 |
| P6 | 1 | 41 | 1.06 | 2.27 | 2.27 | 2.26 | 2.25 | 2.24 | 2.24 | 2.23 | 2.22 | 2.21 |
| P6 | 1 | 51 | 2.21 | 2.20 | 2.19 | 2.18 | 2.18 | 2.17 | 2.16 | 2.15 | 2.15 | 2.14 |
| P6 | 1 | 61 | 2.13 | 2.13 | 2.12 | 2.11 | 2.10 | 2.10 | 2.09 | 2.08 | 2.08 | 2.07 |
| P6 | 1 | 71 | 2.06 | 2.06 | 2.05 | 2.04 | 2.03 | 2.03 | 2.02 | 2.01 | 2.01 | 2.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 81 | 1.99 | 2.72 | 2.71 | 2.71 | 2.70 | 2.69 | 2.68 | 2.68 | 2.67 | 2.66 |
| P6 | 1 | 91 | 2.65 | 2.65 | 3.03 | 3.03 | 3.02 | 3.01 | 3.01 | 3.00 | 2.99 | 2.99 |
| P6 | 1 | 101 | 2.98 | 2.97 | 2.96 | 2.96 | 2.95 | 2.94 | 2.94 | 2.93 | 2.92 | 2.92 |
| P6 | 1 | 111 | 2.91 | 2.90 | 2.90 | 2.89 | 2.88 | 2.88 | 2.87 | 2.86 | 2.86 | 2.85 |
| P6 | 1 | 121 | 2.84 | 2.84 | | | | | | | | |
| P5 | 3 | 203 | 2.98 | 2.96 | 2.95 | 2.94 | 2.92 | 2.91 | 2.90 | 2.89 | 2.88 | 2.87 |
| P5 | 3 | 213 | 2.90 | 2.89 | 2.89 | 2.88 | 2.87 | 2.87 | 2.86 | 2.90 | 2.90 | 2.89 |
| P5 | 3 | 223 | 2.89 | 2.88 | 2.88 | 2.88 | 2.87 | 2.88 | 2.88 | 2.87 | 2.87 | 2.87 |
| P5 | 3 | 233 | 2.87 | 2.87 | 2.87 | 2.97 | 2.97 | 2.97 | 2.69 | | | |
| P4 | 4 | 240 | 2.19 | 2.19 | 2.18 | 2.17 | 2.17 | 2.16 | 2.15 | 2.15 | 2.14 | 2.13 |
| P4 | 4 | 250 | 2.13 | 2.12 | 2.12 | 2.11 | 2.10 | 2.10 | 2.09 | 2.09 | 2.08 | 2.08 |
| P4 | 4 | 260 | 2.07 | 2.07 | 2.06 | 2.06 | 2.06 | 2.05 | 2.05 | 2.05 | 2.04 | 2.04 |
| P4 | 4 | 270 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.05 | 1.65 | 1.63 |
| P3 | 6 | 389 | 1.62 | 1.48 | 1.40 | 1.34 | 1.34 | 1.31 | 1.28 | 1.26 | 1.24 | 1.22 |
| P3 | 6 | 399 | 1.21 | 1.20 | 1.19 | 1.18 | 1.18 | 1.17 | 1.17 | 1.16 | 1.16 | 1.16 |
| P3 | 6 | 409 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 | 1.14 | 1.14 |
| P3 | 6 | 419 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.17 |
| P3 | 6 | 429 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| P3 | 6 | 439 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| P3 | 6 | 449 | 1.18 | 1.18 | 1.18 | 1.19 | 1.19 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| P3 | 6 | 459 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.21 | 1.21 | 1.21 |
| P3 | 6 | 469 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.22 | 1.22 | 1.22 | 1.22 |
| P3 | 6 | 479 | 1.22 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 | 1.23 | 1.23 | | |
| P2 | 8 | 561 | 1.23 | 1.24 | 1.24 | 1.24 | 1.24 | 1.25 | 1.24 | 1.24 | 1.24 | 1.24 |
| P2 | 8 | 571 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 |
| P2 | 8 | 581 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 |
| P2 | 8 | 591 | 1.24 | 1.24 | 1.25 | 1.25 | 1.25 | 1.26 | 1.26 | 1.27 | 1.28 | 1.29 |
| P2 | 8 | 601 | 1.30 | 1.32 | 1.34 | | | | | | | |
| P1 | 9 | 604 | 1.35 | 1.35 | 1.35 | 1.35 | 1.36 | 1.36 | 1.36 | 1.36 | 1.37 | 1.37 |
| P1 | 9 | 614 | 1.37 | 1.38 | 1.38 | 1.38 | 1.39 | 1.39 | 1.39 | 1.40 | 1.40 | 1.41 |
| P1 | 9 | 624 | 1.41 | 1.41 | 1.42 | 1.42 | 1.43 | 1.43 | 1.44 | 1.44 | 1.45 | 1.45 |
| P1 | 9 | 634 | 1.46 | 1.46 | 1.47 | 1.48 | 1.48 | 1.49 | 1.50 | 1.50 | 1.51 | 1.52 |
| P1 | 9 | 644 | 1.52 | 1.53 | 1.54 | 1.55 | 1.56 | 1.57 | 1.57 | 1.58 | 1.59 | 1.60 |
| P1 | 9 | 654 | 1.61 | 1.62 | 1.63 | 1.64 | 1.65 | 1.66 | 1.67 | 1.68 | 1.70 | 1.71 |
| P1 | 9 | 664 | 1.72 | 1.73 | 1.75 | 1.76 | 1.77 | 1.79 | | | | |
| PT | 2 | 123 | 3.96 | 3.95 | 3.95 | 3.95 | 3.94 | 3.94 | 3.94 | 3.94 | 3.93 | 3.93 |
| PT | 2 | 133 | 3.93 | 3.92 | 3.92 | 3.92 | 3.91 | 3.91 | 3.91 | 3.91 | 3.90 | 3.90 |
| PT | 2 | 143 | 3.90 | 3.89 | 3.89 | 3.89 | 3.88 | 3.88 | 3.88 | 3.87 | 3.87 | 3.87 |
| PT | 2 | 153 | 3.87 | 3.86 | 3.86 | 3.86 | 3.85 | 3.85 | 3.85 | 3.84 | 3.84 | 3.84 |
| PT | 2 | 163 | 3.84 | 3.83 | 3.83 | 3.83 | 3.82 | 3.82 | 3.82 | 3.81 | 3.81 | 3.81 |
| PT | 2 | 173 | 3.81 | 3.80 | 3.80 | 3.80 | 3.79 | 3.79 | 3.79 | 3.78 | 3.78 | 3.78 |
| PT | 2 | 183 | 3.78 | 3.77 | 3.77 | 3.77 | 3.76 | 3.76 | 3.76 | 3.76 | 3.75 | 3.75 |
| PT | 2 | 193 | 3.90 | 3.90 | 3.10 | 3.10 | 3.10 | 3.10 | 3.10 | 3.09 | 3.09 | 3.09 |
| EP | 5 | 280 | 1.15 | 1.14 | 1.14 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 | 1.12 |
| EP | 5 | 290 | 1.11 | 1.11 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.09 |
| EP | 5 | 300 | 1.09 | 1.09 | 1.62 | 1.61 | 1.60 | 1.58 | 1.57 | 1.56 | 1.55 | 1.55 |
| EP | 5 | 310 | 1.54 | 1.53 | 1.52 | 1.51 | 1.50 | 1.49 | 1.49 | 1.48 | 1.47 | 1.68 |
| EP | 5 | 320 | 1.67 | 1.66 | 1.65 | 1.64 | 1.63 | 1.62 | 1.61 | 1.61 | 1.60 | 1.59 |
| EP | 5 | 330 | 1.58 | 1.58 | 1.57 | 1.61 | 1.60 | 1.59 | 1.59 | 1.58 | 1.57 | 1.57 |
| EP | 5 | 340 | 1.65 | 1.64 | 1.63 | 1.63 | 1.62 | 1.61 | 1.61 | 1.60 | 1.59 | 1.59 |
| EP | 5 | 350 | 1.58 | 1.57 | 1.57 | 1.56 | 1.56 | 1.55 | 1.54 | 1.54 | 1.98 | 1.98 |
| EP | 5 | 360 | 1.97 | 1.96 | 1.95 | 1.95 | 1.94 | 1.93 | 1.92 | 1.92 | 1.91 | 1.90 |
| EP | 5 | 370 | 1.90 | 1.89 | 1.88 | 1.88 | 1.87 | 1.86 | 1.86 | 1.85 | 1.85 | 1.84 |
| EP | 5 | 380 | 1.83 | 1.83 | 1.82 | 1.82 | 1.81 | 1.80 | 1.80 | 1.79 | 1.79 | |
| AC | 7 | 487 | 1.12 | 1.11 | 1.11 | 1.10 | 1.09 | 1.08 | 1.07 | 1.07 | 1.06 | 1.05 |
| AC | 7 | 497 | 1.04 | 1.03 | 0.98 | 0.97 | 0.97 | 0.96 | 0.95 | 0.95 | 0.94 | 0.93 |
| AC | 7 | 507 | 0.93 | 0.92 | 0.92 | 0.91 | 0.90 | 0.90 | 0.89 | 0.89 | 0.88 | 0.87 |
| AC | 7 | 517 | 0.87 | 0.86 | 0.86 | 0.85 | 0.85 | 0.84 | 0.83 | 0.83 | 0.82 | 0.82 |
| AC | 7 | 527 | 0.81 | 0.81 | 0.80 | 0.80 | 0.79 | 0.79 | 0.78 | 0.77 | 0.77 | 0.76 |
| AC | 7 | 537 | 0.76 | 0.75 | 0.75 | 0.74 | 0.74 | 0.74 | 0.73 | 0.73 | 0.72 | 1.26 |
| AC | 7 | 547 | 1.25 | 1.24 | 1.24 | 1.23 | 1.22 | 1.21 | 1.20 | 1.20 | 1.19 | 1.18 |
| AC | 7 | 557 | 1.17 | 1.17 | 1.16 | 1.15 | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.27 | 0.24 | 0.21 | 0.19 | 0.17 | 0.15 | 0.14 | 0.12 | 0.11 | 0.10 |
| P6 | 1 | 11 | 0.09 | 0.09 | 0.08 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 |
| P6 | 1 | 21 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| P6 | 1 | 31 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 |
| P6 | 1 | 41 | 0.03 | 2.78 | 2.51 | 2.26 | 2.04 | 1.85 | 1.67 | 1.51 | 1.36 | 1.24 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 51 | 1.12 | 1.01 | 0.92 | 0.83 | 0.76 | 0.69 | 0.63 | 0.57 | 0.52 | 0.47 |
| P6 | 1 | 61 | 0.43 | 0.40 | 0.36 | 0.33 | 0.31 | 0.28 | 0.26 | 0.24 | 0.22 | 0.21 |
| P6 | 1 | 71 | 0.19 | 0.18 | 0.17 | 0.16 | 0.15 | 0.14 | 0.13 | 0.12 | 0.12 | 0.11 |
| P6 | 1 | 81 | 0.11 | 2.25 | 2.07 | 1.91 | 1.76 | 1.63 | 1.50 | 1.38 | 1.28 | 1.18 |
| P6 | 1 | 91 | 1.09 | 1.01 | 2.33 | 2.18 | 2.03 | 1.89 | 1.77 | 1.65 | 1.54 | 1.44 |
| P6 | 1 | 101 | 1.34 | 1.25 | 1.17 | 1.10 | 1.03 | 0.96 | 0.90 | 0.84 | 0.79 | 0.74 |
| P6 | 1 | 111 | 0.69 | 0.65 | 0.61 | 0.57 | 0.54 | 0.51 | 0.48 | 0.45 | 0.43 | 0.40 |
| P6 | 1 | 121 | 0.38 | 0.36 | | | | | | | | |
| P5 | 3 | 203 | 0.88 | 0.85 | 0.83 | 0.80 | 0.78 | 0.76 | 0.74 | 0.72 | 0.70 | 0.68 |
| P5 | 3 | 213 | 0.81 | 0.79 | 0.77 | 0.75 | 0.73 | 0.72 | 0.70 | 0.82 | 0.80 | 0.79 |
| P5 | 3 | 223 | 0.77 | 0.75 | 0.73 | 0.72 | 0.70 | 0.70 | 0.69 | 0.67 | 0.66 | 0.65 |
| P5 | 3 | 233 | 0.63 | 0.62 | 0.61 | 1.13 | 1.10 | 1.08 | 0.73 | | | |
| P4 | 4 | 240 | 0.14 | 0.15 | 0.15 | 0.16 | 0.16 | 0.17 | 0.17 | 0.18 | 0.19 | 0.19 |
| P4 | 4 | 250 | 0.20 | 0.21 | 0.22 | 0.23 | 0.24 | 0.25 | 0.26 | 0.28 | 0.29 | 0.31 |
| P4 | 4 | 260 | 0.33 | 0.35 | 0.37 | 0.39 | 0.42 | 0.45 | 0.48 | 0.52 | 0.56 | 0.61 |
| P4 | 4 | 270 | 0.67 | 0.73 | 0.79 | 0.87 | 0.97 | 1.07 | 1.20 | 1.34 | 0.35 | 0.40 |
| P3 | 6 | 389 | 0.45 | 0.41 | 0.39 | 0.37 | 0.46 | 0.44 | 0.42 | 0.41 | 0.39 | 0.39 |
| P3 | 6 | 399 | 0.38 | 0.37 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 |
| P3 | 6 | 409 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P3 | 6 | 419 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.37 |
| P3 | 6 | 429 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 |
| P3 | 6 | 439 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 |
| P3 | 6 | 449 | 0.34 | 0.34 | 0.34 | 0.38 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| P3 | 6 | 459 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| P3 | 6 | 469 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| P3 | 6 | 479 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | | |
| P2 | 8 | 561 | 0.34 | 0.34 | 0.34 | 0.35 | 0.35 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 |
| P2 | 8 | 571 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| P2 | 8 | 581 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.31 | 0.31 |
| P2 | 8 | 591 | 0.31 | 0.30 | 0.30 | 0.29 | 0.28 | 0.28 | 0.27 | 0.26 | 0.24 | 0.23 |
| P2 | 8 | 601 | 0.21 | 0.19 | 0.16 | | | | | | | |
| P1 | 9 | 604 | 0.15 | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 |
| P1 | 9 | 614 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| P1 | 9 | 624 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| P1 | 9 | 634 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| P1 | 9 | 644 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| P1 | 9 | 654 | 0.11 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.13 | 0.13 |
| P1 | 9 | 664 | 0.13 | 0.13 | 0.14 | 0.14 | 0.14 | 0.15 | | | | |
| PT | 2 | 123 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 |
| PT | 2 | 133 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| PT | 2 | 143 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| PT | 2 | 153 | 0.14 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| PT | 2 | 163 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| PT | 2 | 173 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| PT | 2 | 183 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| PT | 2 | 193 | 0.14 | 0.14 | 1.30 | 1.29 | 1.28 | 1.27 | 1.27 | 1.26 | 1.25 | 1.24 |
| EP | 5 | 280 | 0.10 | 0.10 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 |
| EP | 5 | 290 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| EP | 5 | 300 | 0.06 | 0.06 | 1.30 | 1.19 | 1.10 | 1.02 | 0.94 | 0.87 | 0.81 | 0.75 |
| EP | 5 | 310 | 0.70 | 0.65 | 0.60 | 0.56 | 0.52 | 0.49 | 0.46 | 0.43 | 0.40 | 0.92 |
| EP | 5 | 320 | 0.86 | 0.81 | 0.76 | 0.71 | 0.67 | 0.63 | 0.59 | 0.56 | 0.53 | 0.50 |
| EP | 5 | 330 | 0.47 | 0.45 | 0.42 | 0.51 | 0.48 | 0.45 | 0.43 | 0.41 | 0.39 | 0.37 |
| EP | 5 | 340 | 0.58 | 0.55 | 0.52 | 0.50 | 0.47 | 0.45 | 0.43 | 0.41 | 0.39 | 0.37 |
| EP | 5 | 350 | 0.35 | 0.34 | 0.32 | 0.31 | 0.29 | 0.28 | 0.27 | 0.26 | 1.65 | 1.58 |
| EP | 5 | 360 | 1.52 | 1.45 | 1.39 | 1.34 | 1.28 | 1.23 | 1.18 | 1.13 | 1.09 | 1.05 |
| EP | 5 | 370 | 1.00 | 0.96 | 0.93 | 0.89 | 0.86 | 0.82 | 0.79 | 0.76 | 0.73 | 0.71 |
| EP | 5 | 380 | 0.68 | 0.65 | 0.63 | 0.61 | 0.58 | 0.56 | 0.54 | 0.52 | 0.50 | |
| AC | 7 | 487 | 0.40 | 0.30 | 0.22 | 0.17 | 0.13 | 0.10 | 0.08 | 0.06 | 0.05 | 0.04 |
| AC | 7 | 497 | 0.04 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| AC | 7 | 507 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| AC | 7 | 517 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| AC | 7 | 527 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| AC | 7 | 537 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.95 |
| AC | 7 | 547 | 0.73 | 0.56 | 0.43 | 0.34 | 0.26 | 0.21 | 0.16 | 0.13 | 0.11 | 0.09 |
| AC | 7 | 557 | 0.07 | 0.06 | 0.05 | 0.04 | | | | | | |

INTERMEDIATE REPORT
Nitrate+Nitrite Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.10 | 0.13 | 0.15 | 0.16 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 | 0.20 |
| P6 | 1 | 11 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.18 | 0.18 | 0.17 | 0.17 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 21 | 0.19 | 0.18 | 0.18 | 0.17 | 0.17 | 0.16 | 0.15 | 0.15 | 0.14 | 0.14 |
| P6 | 1 | 31 | 0.14 | 0.13 | 0.13 | 0.12 | 0.12 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 |
| P6 | 1 | 41 | 0.10 | 0.92 | 1.15 | 1.34 | 1.50 | 1.63 | 1.74 | 1.82 | 1.89 | 1.94 |
| P6 | 1 | 51 | 1.98 | 2.00 | 2.01 | 2.01 | 2.01 | 2.00 | 1.98 | 1.95 | 1.92 | 1.89 |
| P6 | 1 | 61 | 1.86 | 1.82 | 1.78 | 1.74 | 1.70 | 1.65 | 1.61 | 1.57 | 1.52 | 1.48 |
| P6 | 1 | 71 | 1.43 | 1.39 | 1.35 | 1.31 | 1.27 | 1.23 | 1.19 | 1.15 | 1.11 | 1.07 |
| P6 | 1 | 81 | 1.04 | 1.41 | 1.54 | 1.65 | 1.74 | 1.82 | 1.88 | 1.94 | 1.98 | 2.01 |
| P6 | 1 | 91 | 2.04 | 2.05 | 2.15 | 2.25 | 2.33 | 2.40 | 2.46 | 2.51 | 2.55 | 2.58 |
| P6 | 1 | 101 | 2.60 | 2.62 | 2.63 | 2.63 | 2.63 | 2.62 | 2.61 | 2.59 | 2.57 | 2.55 |
| P6 | 1 | 111 | 2.53 | 2.50 | 2.47 | 2.44 | 2.41 | 2.38 | 2.34 | 2.30 | 2.27 | 2.23 |
| P6 | 1 | 121 | 2.19 | 2.15 | | | | | | | | |
| P5 | 3 | 203 | 1.29 | 1.27 | 1.25 | 1.23 | 1.21 | 1.19 | 1.17 | 1.15 | 1.13 | 1.11 |
| P5 | 3 | 213 | 1.11 | 1.09 | 1.08 | 1.06 | 1.04 | 1.03 | 1.02 | 1.01 | 1.00 | 0.99 |
| P5 | 3 | 223 | 0.98 | 0.96 | 0.95 | 0.94 | 0.93 | 0.92 | 0.91 | 0.90 | 0.88 | 0.87 |
| P5 | 3 | 233 | 0.86 | 0.85 | 0.84 | 0.92 | 0.92 | 0.91 | 0.68 | | | |
| P4 | 4 | 240 | 0.29 | 0.31 | 0.32 | 0.34 | 0.36 | 0.38 | 0.39 | 0.41 | 0.43 | 0.45 |
| P4 | 4 | 250 | 0.47 | 0.49 | 0.51 | 0.54 | 0.56 | 0.58 | 0.60 | 0.63 | 0.65 | 0.68 |
| P4 | 4 | 260 | 0.70 | 0.73 | 0.75 | 0.78 | 0.81 | 0.84 | 0.86 | 0.89 | 0.92 | 0.95 |
| P4 | 4 | 270 | 0.97 | 1.00 | 1.02 | 1.05 | 1.07 | 1.08 | 1.09 | 1.09 | 0.95 | 1.01 |
| P3 | 6 | 389 | 1.09 | 0.93 | 0.82 | 0.75 | 0.72 | 0.68 | 0.64 | 0.62 | 0.60 | 0.58 |
| P3 | 6 | 399 | 0.56 | 0.55 | 0.54 | 0.53 | 0.52 | 0.51 | 0.51 | 0.50 | 0.49 | 0.49 |
| P3 | 6 | 409 | 0.48 | 0.48 | 0.47 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.45 |
| P3 | 6 | 419 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.45 |
| P3 | 6 | 429 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 |
| P3 | 6 | 439 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 |
| P3 | 6 | 449 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| P3 | 6 | 459 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P3 | 6 | 469 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 |
| P3 | 6 | 479 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | | |
| P2 | 8 | 561 | 0.41 | 0.41 | 0.41 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P2 | 8 | 571 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P2 | 8 | 581 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |
| P2 | 8 | 591 | 0.40 | 0.40 | 0.39 | 0.39 | 0.38 | 0.37 | 0.36 | 0.34 | 0.32 | 0.30 |
| P2 | 8 | 601 | 0.27 | 0.24 | 0.19 | | | | | | | |
| P1 | 9 | 604 | 0.19 | 0.18 | 0.18 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 |
| P1 | 9 | 614 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.11 | 0.11 |
| P1 | 9 | 624 | 0.11 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 |
| P1 | 9 | 634 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 |
| P1 | 9 | 644 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| P1 | 9 | 654 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 |
| P1 | 9 | 664 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | | | | |
| PT | 2 | 123 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 |
| PT | 2 | 133 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| PT | 2 | 143 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 |
| PT | 2 | 153 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| PT | 2 | 163 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| PT | 2 | 173 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 |
| PT | 2 | 183 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 0.12 |
| PT | 2 | 193 | 0.05 | 0.05 | 0.77 | 0.78 | 0.78 | 0.79 | 0.80 | 0.80 | 0.81 | 0.82 |
| EP | 5 | 280 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 |
| EP | 5 | 290 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 |
| EP | 5 | 300 | 0.06 | 0.06 | 0.41 | 0.47 | 0.53 | 0.57 | 0.61 | 0.64 | 0.66 | 0.68 |
| EP | 5 | 310 | 0.70 | 0.71 | 0.72 | 0.72 | 0.73 | 0.73 | 0.72 | 0.72 | 0.72 | 0.82 |
| EP | 5 | 320 | 0.83 | 0.85 | 0.86 | 0.87 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.87 |
| EP | 5 | 330 | 0.87 | 0.86 | 0.86 | 0.86 | 0.86 | 0.85 | 0.85 | 0.84 | 0.84 | 0.83 |
| EP | 5 | 340 | 0.86 | 0.86 | 0.86 | 0.86 | 0.85 | 0.85 | 0.85 | 0.84 | 0.83 | 0.83 |
| EP | 5 | 350 | 0.82 | 0.81 | 0.80 | 0.80 | 0.79 | 0.78 | 0.77 | 0.76 | 1.06 | 1.09 |
| EP | 5 | 360 | 1.13 | 1.16 | 1.18 | 1.21 | 1.23 | 1.25 | 1.27 | 1.28 | 1.30 | 1.31 |
| EP | 5 | 370 | 1.32 | 1.33 | 1.33 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.34 |
| EP | 5 | 380 | 1.34 | 1.34 | 1.33 | 1.33 | 1.32 | 1.32 | 1.31 | 1.30 | 1.30 | |
| AC | 7 | 487 | 0.23 | 0.24 | 0.22 | 0.19 | 0.15 | 0.10 | 0.05 | 0.01 | 0.00 | 0.00 |
| AC | 7 | 497 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 507 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 517 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 527 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 537 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| AC | 7 | 547 | 0.18 | 0.27 | 0.31 | 0.32 | 0.31 | 0.28 | 0.25 | 0.21 | 0.16 | 0.12 |
| AC | 7 | 557 | 0.07 | 0.03 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT
Total Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.64 | 1.63 | 1.62 | 1.61 | 1.59 | 1.58 | 1.56 | 1.55 | 1.54 | 1.52 |
| P6 | 1 | 11 | 1.51 | 1.49 | 1.48 | 1.47 | 1.45 | 1.44 | 1.42 | 1.41 | 1.40 | 1.39 |
| P6 | 1 | 21 | 1.38 | 1.37 | 1.35 | 1.34 | 1.33 | 1.32 | 1.31 | 1.30 | 1.29 | 1.27 |
| P6 | 1 | 31 | 1.26 | 1.25 | 1.24 | 1.23 | 1.23 | 1.22 | 1.21 | 1.20 | 1.19 | 1.18 |
| P6 | 1 | 41 | 1.17 | 5.96 | 5.91 | 5.85 | 5.78 | 5.71 | 5.63 | 5.55 | 5.46 | 5.38 |
| P6 | 1 | 51 | 5.29 | 5.20 | 5.11 | 5.02 | 4.93 | 4.84 | 4.75 | 4.66 | 4.58 | 4.49 |
| P6 | 1 | 61 | 4.41 | 4.33 | 4.25 | 4.17 | 4.09 | 4.02 | 3.95 | 3.88 | 3.81 | 3.74 |
| P6 | 1 | 71 | 3.68 | 3.61 | 3.55 | 3.49 | 3.44 | 3.38 | 3.33 | 3.27 | 3.22 | 3.18 |
| P6 | 1 | 81 | 3.13 | 6.36 | 6.31 | 6.25 | 6.19 | 6.12 | 6.05 | 5.98 | 5.91 | 5.84 |
| P6 | 1 | 91 | 5.77 | 5.70 | 7.51 | 7.44 | 7.37 | 7.30 | 7.22 | 7.14 | 7.07 | 6.99 |
| P6 | 1 | 101 | 6.91 | 6.83 | 6.75 | 6.67 | 6.59 | 6.51 | 6.43 | 6.35 | 6.27 | 6.20 |
| P6 | 1 | 111 | 6.12 | 6.04 | 5.97 | 5.89 | 5.82 | 5.75 | 5.68 | 5.61 | 5.54 | 5.47 |
| P6 | 1 | 121 | 5.40 | 5.34 | | | | | | | | |
| P5 | 3 | 203 | 5.13 | 5.06 | 4.99 | 4.92 | 4.85 | 4.79 | 4.73 | 4.67 | 4.61 | 4.56 |
| P5 | 3 | 213 | 4.71 | 4.65 | 4.60 | 4.55 | 4.50 | 4.45 | 4.41 | 4.56 | 4.51 | 4.47 |
| P5 | 3 | 223 | 4.42 | 4.38 | 4.34 | 4.30 | 4.26 | 4.24 | 4.21 | 4.17 | 4.13 | 4.10 |
| P5 | 3 | 233 | 4.07 | 4.03 | 4.00 | 4.69 | 4.65 | 4.61 | 3.73 | | | |
| P4 | 4 | 240 | 2.27 | 2.30 | 2.32 | 2.34 | 2.37 | 2.40 | 2.42 | 2.45 | 2.48 | 2.51 |
| P4 | 4 | 250 | 2.54 | 2.57 | 2.60 | 2.64 | 2.67 | 2.71 | 2.75 | 2.79 | 2.83 | 2.88 |
| P4 | 4 | 260 | 2.92 | 2.97 | 3.02 | 3.08 | 3.14 | 3.20 | 3.27 | 3.34 | 3.41 | 3.50 |
| P4 | 4 | 270 | 3.58 | 3.68 | 3.78 | 3.89 | 4.01 | 4.14 | 4.28 | 4.44 | 2.91 | 3.02 |
| P3 | 6 | 389 | 3.13 | 2.80 | 2.59 | 2.44 | 2.49 | 2.39 | 2.31 | 2.25 | 2.20 | 2.15 |
| P3 | 6 | 399 | 2.12 | 2.08 | 2.06 | 2.03 | 2.01 | 1.99 | 1.97 | 1.96 | 1.94 | 1.93 |
| P3 | 6 | 409 | 1.92 | 1.91 | 1.90 | 1.89 | 1.88 | 1.87 | 1.86 | 1.86 | 1.85 | 1.84 |
| P3 | 6 | 419 | 1.84 | 1.83 | 1.83 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.80 | 1.90 |
| P3 | 6 | 429 | 1.89 | 1.89 | 1.88 | 1.88 | 1.87 | 1.87 | 1.86 | 1.86 | 1.85 | 1.85 |
| P3 | 6 | 439 | 1.85 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 |
| P3 | 6 | 449 | 1.81 | 1.81 | 1.81 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.85 | 1.85 |
| P3 | 6 | 459 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 |
| P3 | 6 | 469 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 |
| P3 | 6 | 479 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | | |
| P2 | 8 | 561 | 1.80 | 1.80 | 1.81 | 1.82 | 1.83 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 |
| P2 | 8 | 571 | 1.83 | 1.82 | 1.82 | 1.82 | 1.82 | 1.81 | 1.81 | 1.81 | 1.81 | 1.81 |
| P2 | 8 | 581 | 1.81 | 1.81 | 1.81 | 1.82 | 1.81 | 1.81 | 1.80 | 1.80 | 1.79 | 1.79 |
| P2 | 8 | 591 | 1.78 | 1.78 | 1.77 | 1.76 | 1.75 | 1.73 | 1.72 | 1.70 | 1.68 | 1.65 |
| P2 | 8 | 601 | 1.62 | 1.58 | 1.53 | | | | | | | |
| P1 | 9 | 604 | 1.52 | 1.52 | 1.51 | 1.51 | 1.51 | 1.50 | 1.50 | 1.49 | 1.49 | 1.49 |
| P1 | 9 | 614 | 1.49 | 1.48 | 1.48 | 1.48 | 1.48 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 |
| P1 | 9 | 624 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.47 | 1.48 | 1.48 |
| P1 | 9 | 634 | 1.48 | 1.48 | 1.49 | 1.49 | 1.50 | 1.50 | 1.51 | 1.51 | 1.52 | 1.52 |
| P1 | 9 | 644 | 1.53 | 1.54 | 1.54 | 1.55 | 1.56 | 1.57 | 1.58 | 1.59 | 1.60 | 1.61 |
| P1 | 9 | 654 | 1.62 | 1.63 | 1.64 | 1.66 | 1.67 | 1.68 | 1.70 | 1.71 | 1.73 | 1.74 |
| P1 | 9 | 664 | 1.76 | 1.78 | 1.79 | 1.81 | 1.83 | 1.85 | | | | |
| PT | 2 | 123 | 4.08 | 4.08 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.06 |
| PT | 2 | 133 | 4.06 | 4.06 | 4.06 | 4.06 | 4.06 | 4.06 | 4.05 | 4.05 | 4.05 | 4.05 |
| PT | 2 | 143 | 4.05 | 4.05 | 4.04 | 4.04 | 4.04 | 4.04 | 4.04 | 4.04 | 4.04 | 4.03 |
| PT | 2 | 153 | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 | 4.03 | 4.02 | 4.02 | 4.02 | 4.02 |
| PT | 2 | 163 | 4.02 | 4.02 | 4.01 | 4.01 | 4.01 | 4.01 | 4.01 | 4.01 | 4.01 | 4.00 |
| PT | 2 | 173 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 3.99 | 3.99 | 3.99 | 3.99 |
| PT | 2 | 183 | 3.99 | 3.99 | 3.99 | 3.98 | 3.98 | 3.98 | 3.98 | 3.98 | 3.98 | 3.97 |
| PT | 2 | 193 | 4.08 | 4.08 | 5.15 | 5.15 | 5.15 | 5.15 | 5.14 | 5.14 | 5.14 | 5.14 |
| EP | 5 | 280 | 1.30 | 1.29 | 1.28 | 1.27 | 1.26 | 1.25 | 1.24 | 1.24 | 1.23 | 1.22 |
| EP | 5 | 290 | 1.22 | 1.21 | 1.21 | 1.20 | 1.20 | 1.19 | 1.19 | 1.19 | 1.18 | 1.18 |
| EP | 5 | 300 | 1.17 | 1.17 | 3.28 | 3.23 | 3.19 | 3.14 | 3.09 | 3.04 | 2.99 | 2.94 |
| EP | 5 | 310 | 2.89 | 2.85 | 2.80 | 2.76 | 2.72 | 2.68 | 2.63 | 2.60 | 2.56 | 3.38 |
| EP | 5 | 320 | 3.33 | 3.28 | 3.23 | 3.19 | 3.14 | 3.10 | 3.06 | 3.01 | 2.97 | 2.93 |
| EP | 5 | 330 | 2.89 | 2.85 | 2.82 | 2.95 | 2.91 | 2.87 | 2.83 | 2.80 | 2.76 | 2.73 |
| EP | 5 | 340 | 3.06 | 3.02 | 2.99 | 2.95 | 2.92 | 2.88 | 2.85 | 2.82 | 2.79 | 2.76 |
| EP | 5 | 350 | 2.73 | 2.70 | 2.67 | 2.64 | 2.61 | 2.58 | 2.56 | 2.53 | 4.66 | 4.63 |
| EP | 5 | 360 | 4.59 | 4.55 | 4.51 | 4.47 | 4.43 | 4.39 | 4.35 | 4.31 | 4.27 | 4.23 |
| EP | 5 | 370 | 4.20 | 4.16 | 4.12 | 4.08 | 4.05 | 4.01 | 3.97 | 3.94 | 3.90 | 3.87 |
| EP | 5 | 380 | 3.83 | 3.80 | 3.76 | 3.73 | 3.70 | 3.66 | 3.63 | 3.60 | 3.57 | |
| AC | 7 | 487 | 1.56 | 1.46 | 1.36 | 1.27 | 1.18 | 1.10 | 1.02 | 0.95 | 0.92 | 0.91 |
| AC | 7 | 497 | 0.89 | 0.88 | 0.82 | 0.81 | 0.80 | 0.80 | 0.79 | 0.78 | 0.77 | 0.77 |
| AC | 7 | 507 | 0.76 | 0.75 | 0.75 | 0.74 | 0.73 | 0.73 | 0.72 | 0.72 | 0.71 | 0.70 |
| AC | 7 | 517 | 0.70 | 0.69 | 0.69 | 0.68 | 0.68 | 0.67 | 0.66 | 0.66 | 0.65 | 0.65 |
| AC | 7 | 527 | 0.64 | 0.64 | 0.63 | 0.63 | 0.62 | 0.62 | 0.61 | 0.60 | 0.60 | 0.59 |
| AC | 7 | 537 | 0.59 | 0.58 | 0.58 | 0.57 | 0.57 | 0.56 | 0.56 | 0.55 | 0.55 | 2.05 |
| AC | 7 | 547 | 1.97 | 1.89 | 1.79 | 1.70 | 1.61 | 1.52 | 1.43 | 1.35 | 1.27 | 1.20 |
| AC | 7 | 557 | 1.13 | 1.07 | 1.02 | 1.01 | | | | | | |

mg/L

Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.65 | 1.64 | 1.63 | 1.62 | 1.61 | 1.59 | 1.58 | 1.56 | 1.55 | 1.53 |
| P6 | 1 | 11 | 1.52 | 1.51 | 1.49 | 1.48 | 1.46 | 1.45 | 1.44 | 1.42 | 1.41 | 1.40 |
| P6 | 1 | 21 | 1.39 | 1.38 | 1.37 | 1.36 | 1.34 | 1.33 | 1.32 | 1.31 | 1.30 | 1.29 |
| P6 | 1 | 31 | 1.28 | 1.27 | 1.26 | 1.25 | 1.24 | 1.23 | 1.22 | 1.21 | 1.20 | 1.20 |
| P6 | 1 | 41 | 1.19 | 5.98 | 5.92 | 5.86 | 5.80 | 5.72 | 5.64 | 5.56 | 5.48 | 5.39 |
| P6 | 1 | 51 | 5.30 | 5.21 | 5.12 | 5.03 | 4.94 | 4.85 | 4.76 | 4.68 | 4.59 | 4.51 |
| P6 | 1 | 61 | 4.42 | 4.34 | 4.26 | 4.18 | 4.11 | 4.03 | 3.96 | 3.89 | 3.82 | 3.75 |
| P6 | 1 | 71 | 3.69 | 3.63 | 3.57 | 3.51 | 3.45 | 3.39 | 3.34 | 3.29 | 3.24 | 3.19 |
| P6 | 1 | 81 | 3.14 | 6.38 | 6.32 | 6.26 | 6.20 | 6.13 | 6.07 | 6.00 | 5.93 | 5.85 |
| P6 | 1 | 91 | 5.78 | 5.71 | 7.52 | 7.45 | 7.38 | 7.31 | 7.23 | 7.16 | 7.08 | 7.00 |
| P6 | 1 | 101 | 6.92 | 6.84 | 6.76 | 6.68 | 6.60 | 6.52 | 6.44 | 6.37 | 6.29 | 6.21 |
| P6 | 1 | 111 | 6.13 | 6.06 | 5.98 | 5.91 | 5.83 | 5.76 | 5.69 | 5.62 | 5.55 | 5.48 |
| P6 | 1 | 121 | 5.42 | 5.35 | | | | | | | | |
| P5 | 3 | 203 | 5.16 | 5.09 | 5.03 | 4.97 | 4.91 | 4.86 | 4.80 | 4.75 | 4.71 | 4.66 |
| P5 | 3 | 213 | 4.82 | 4.78 | 4.73 | 4.69 | 4.65 | 4.61 | 4.58 | 4.74 | 4.70 | 4.67 |
| P5 | 3 | 223 | 4.63 | 4.60 | 4.57 | 4.54 | 4.51 | 4.50 | 4.47 | 4.44 | 4.42 | 4.39 |
| P5 | 3 | 233 | 4.37 | 4.34 | 4.32 | 5.02 | 4.99 | 4.96 | 4.09 | | | |
| P4 | 4 | 240 | 2.62 | 2.64 | 2.65 | 2.67 | 2.68 | 2.70 | 2.72 | 2.74 | 2.76 | 2.78 |
| P4 | 4 | 250 | 2.80 | 2.82 | 2.85 | 2.87 | 2.90 | 2.93 | 2.96 | 2.99 | 3.03 | 3.06 |
| P4 | 4 | 260 | 3.10 | 3.14 | 3.19 | 3.23 | 3.28 | 3.34 | 3.40 | 3.46 | 3.53 | 3.60 |
| P4 | 4 | 270 | 3.68 | 3.76 | 3.86 | 3.96 | 4.07 | 4.19 | 4.33 | 4.48 | 2.94 | 3.04 |
| P3 | 6 | 389 | 3.15 | 2.82 | 2.61 | 2.47 | 2.51 | 2.42 | 2.34 | 2.28 | 2.23 | 2.19 |
| P3 | 6 | 399 | 2.15 | 2.12 | 2.10 | 2.07 | 2.05 | 2.04 | 2.02 | 2.01 | 1.99 | 1.98 |
| P3 | 6 | 409 | 1.97 | 1.96 | 1.96 | 1.95 | 1.94 | 1.93 | 1.93 | 1.92 | 1.92 | 1.91 |
| P3 | 6 | 419 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.98 |
| P3 | 6 | 429 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.95 |
| P3 | 6 | 439 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 |
| P3 | 6 | 449 | 1.94 | 1.94 | 1.94 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 |
| P3 | 6 | 459 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 |
| P3 | 6 | 469 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 |
| P3 | 6 | 479 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | | |
| P2 | 8 | 561 | 1.99 | 1.99 | 2.00 | 2.00 | 2.01 | 2.03 | 2.02 | 2.02 | 2.01 | 2.01 |
| P2 | 8 | 571 | 2.01 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 |
| P2 | 8 | 581 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.97 | 1.96 | 1.96 |
| P2 | 8 | 591 | 1.95 | 1.94 | 1.94 | 1.93 | 1.91 | 1.90 | 1.88 | 1.87 | 1.84 | 1.82 |
| P2 | 8 | 601 | 1.78 | 1.74 | 1.69 | | | | | | | |
| P1 | 9 | 604 | 1.69 | 1.68 | 1.68 | 1.67 | 1.67 | 1.66 | 1.66 | 1.66 | 1.65 | 1.65 |
| P1 | 9 | 614 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 |
| P1 | 9 | 624 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.64 | 1.64 | 1.64 |
| P1 | 9 | 634 | 1.64 | 1.65 | 1.65 | 1.65 | 1.66 | 1.66 | 1.67 | 1.67 | 1.68 | 1.69 |
| P1 | 9 | 644 | 1.69 | 1.70 | 1.71 | 1.71 | 1.72 | 1.73 | 1.74 | 1.75 | 1.76 | 1.77 |
| P1 | 9 | 654 | 1.78 | 1.79 | 1.81 | 1.82 | 1.83 | 1.84 | 1.86 | 1.87 | 1.89 | 1.91 |
| P1 | 9 | 664 | 1.92 | 1.94 | 1.96 | 1.97 | 1.99 | 2.01 | | | | |
| PT | 2 | 123 | 4.13 | 4.13 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.11 | 4.11 | 4.11 |
| PT | 2 | 133 | 4.11 | 4.11 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.09 | 4.09 | 4.09 |
| PT | 2 | 143 | 4.09 | 4.09 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.07 | 4.07 |
| PT | 2 | 153 | 4.07 | 4.07 | 4.07 | 4.06 | 4.06 | 4.06 | 4.06 | 4.06 | 4.05 | 4.05 |
| PT | 2 | 163 | 4.05 | 4.05 | 4.05 | 4.04 | 4.04 | 4.04 | 4.04 | 4.04 | 4.03 | 4.03 |
| PT | 2 | 173 | 4.03 | 4.03 | 4.03 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.01 | 4.01 |
| PT | 2 | 183 | 4.01 | 4.01 | 4.01 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 3.99 | 3.99 |
| PT | 2 | 193 | 4.09 | 4.09 | 5.17 | 5.17 | 5.16 | 5.16 | 5.16 | 5.16 | 5.15 | 5.15 |
| EP | 5 | 280 | 1.34 | 1.33 | 1.32 | 1.31 | 1.30 | 1.29 | 1.28 | 1.28 | 1.27 | 1.26 |
| EP | 5 | 290 | 1.26 | 1.25 | 1.25 | 1.24 | 1.24 | 1.23 | 1.23 | 1.22 | 1.22 | 1.22 |
| EP | 5 | 300 | 1.21 | 1.21 | 3.32 | 3.27 | 3.22 | 3.17 | 3.12 | 3.07 | 3.03 | 2.98 |
| EP | 5 | 310 | 2.93 | 2.88 | 2.84 | 2.80 | 2.75 | 2.71 | 2.67 | 2.63 | 2.59 | 3.41 |
| EP | 5 | 320 | 3.36 | 3.31 | 3.27 | 3.22 | 3.18 | 3.13 | 3.09 | 3.05 | 3.00 | 2.96 |
| EP | 5 | 330 | 2.92 | 2.89 | 2.85 | 2.98 | 2.94 | 2.90 | 2.87 | 2.83 | 2.79 | 2.76 |
| EP | 5 | 340 | 3.09 | 3.05 | 3.01 | 2.98 | 2.94 | 2.91 | 2.88 | 2.85 | 2.81 | 2.78 |
| EP | 5 | 350 | 2.75 | 2.72 | 2.69 | 2.66 | 2.64 | 2.61 | 2.58 | 2.56 | 4.69 | 4.65 |
| EP | 5 | 360 | 4.61 | 4.57 | 4.53 | 4.49 | 4.45 | 4.41 | 4.37 | 4.34 | 4.30 | 4.26 |
| EP | 5 | 370 | 4.22 | 4.18 | 4.14 | 4.11 | 4.07 | 4.03 | 4.00 | 3.96 | 3.92 | 3.89 |
| EP | 5 | 380 | 3.85 | 3.82 | 3.78 | 3.75 | 3.72 | 3.68 | 3.65 | 3.62 | 3.59 | |
| AC | 7 | 487 | 1.75 | 1.65 | 1.55 | 1.46 | 1.37 | 1.28 | 1.21 | 1.14 | 1.11 | 1.09 |
| AC | 7 | 497 | 1.08 | 1.07 | 1.01 | 1.00 | 0.99 | 0.98 | 0.98 | 0.97 | 0.96 | 0.95 |
| AC | 7 | 507 | 0.95 | 0.94 | 0.93 | 0.93 | 0.92 | 0.92 | 0.91 | 0.90 | 0.90 | 0.89 |
| AC | 7 | 517 | 0.89 | 0.88 | 0.87 | 0.87 | 0.86 | 0.86 | 0.85 | 0.85 | 0.84 | 0.83 |
| AC | 7 | 527 | 0.83 | 0.82 | 0.82 | 0.81 | 0.81 | 0.80 | 0.80 | 0.79 | 0.78 | 0.78 |
| AC | 7 | 537 | 0.77 | 0.77 | 0.76 | 0.76 | 0.75 | 0.75 | 0.74 | 0.74 | 0.74 | 2.24 |
| AC | 7 | 547 | 2.16 | 2.07 | 1.98 | 1.89 | 1.79 | 1.70 | 1.62 | 1.53 | 1.46 | 1.39 |
| AC | 7 | 557 | 1.32 | 1.26 | 1.21 | 1.20 | | | | | | |

INTERMEDIATE REPORT
Chlorophyll a
µg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 11 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 21 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 31 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 41 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 51 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 61 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 71 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 81 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 91 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 101 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 111 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 121 | 1.50 | 1.50 | | | | | | | | |
| P5 | 3 | 203 | 2.59 | 3.69 | 4.78 | 5.88 | 6.97 | 8.07 | 9.16 | 10.26 | 11.35 | 12.45 |
| P5 | 3 | 213 | 13.54 | 14.64 | 15.73 | 16.82 | 17.92 | 19.01 | 20.11 | 21.20 | 22.30 | 23.39 |
| P5 | 3 | 223 | 24.49 | 25.58 | 26.68 | 27.77 | 28.86 | 29.96 | 31.05 | 32.15 | 33.24 | 34.34 |
| P5 | 3 | 233 | 35.43 | 36.53 | 37.62 | 38.72 | 39.81 | 40.91 | 42.00 | | | |
| P4 | 4 | 240 | 41.01 | 40.01 | 39.02 | 38.03 | 37.03 | 36.04 | 35.04 | 34.05 | 33.06 | 32.06 |
| P4 | 4 | 250 | 31.07 | 30.08 | 29.08 | 28.09 | 27.09 | 26.10 | 25.11 | 24.11 | 23.12 | 22.12 |
| P4 | 4 | 260 | 21.13 | 20.14 | 19.14 | 18.15 | 17.16 | 16.16 | 15.17 | 14.18 | 13.18 | 12.19 |
| P4 | 4 | 270 | 11.19 | 10.20 | 9.21 | 8.21 | 7.22 | 6.23 | 5.23 | 4.24 | 3.24 | 2.25 |
| P3 | 6 | 389 | 2.45 | 2.65 | 2.85 | 3.06 | 3.26 | 3.46 | 3.66 | 3.86 | 4.06 | 4.27 |
| P3 | 6 | 399 | 4.47 | 4.67 | 4.87 | 5.07 | 5.27 | 5.47 | 5.68 | 5.88 | 6.08 | 6.28 |
| P3 | 6 | 409 | 6.48 | 6.68 | 6.89 | 7.09 | 7.29 | 7.49 | 7.69 | 7.89 | 8.09 | 8.30 |
| P3 | 6 | 419 | 8.50 | 8.70 | 8.90 | 9.10 | 9.30 | 9.51 | 9.71 | 9.91 | 10.11 | 10.31 |
| P3 | 6 | 429 | 10.51 | 10.71 | 10.92 | 11.12 | 11.32 | 11.52 | 11.72 | 11.92 | 12.12 | 12.33 |
| P3 | 6 | 439 | 12.53 | 12.73 | 12.93 | 13.13 | 13.33 | 13.54 | 13.74 | 13.94 | 14.14 | 14.34 |
| P3 | 6 | 449 | 14.54 | 14.74 | 14.95 | 15.15 | 15.35 | 15.55 | 15.75 | 15.95 | 16.16 | 16.36 |
| P3 | 6 | 459 | 16.56 | 16.76 | 16.96 | 17.16 | 17.36 | 17.57 | 17.77 | 17.97 | 18.17 | 18.37 |
| P3 | 6 | 469 | 18.57 | 18.78 | 18.98 | 19.18 | 19.38 | 19.58 | 19.78 | 19.98 | 20.19 | 20.39 |
| P3 | 6 | 479 | 20.59 | 20.79 | 20.99 | 21.19 | 21.40 | 21.60 | 21.80 | 22.00 | | |
| P2 | 8 | 561 | 21.93 | 21.86 | 21.79 | 21.72 | 21.65 | 21.58 | 21.51 | 21.44 | 21.37 | 21.30 |
| P2 | 8 | 571 | 21.23 | 21.16 | 21.09 | 21.02 | 20.95 | 20.88 | 20.81 | 20.74 | 20.67 | 20.60 |
| P2 | 8 | 581 | 20.53 | 20.47 | 20.40 | 20.33 | 20.26 | 20.19 | 20.12 | 20.05 | 19.98 | 19.91 |
| P2 | 8 | 591 | 19.84 | 19.77 | 19.70 | 19.63 | 19.56 | 19.49 | 19.42 | 19.35 | 19.28 | 19.21 |
| P2 | 8 | 601 | 19.14 | 19.07 | 19.00 | | | | | | | |
| P1 | 9 | 604 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 614 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 624 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 634 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 644 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 654 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 664 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | | | | |
| PT | 2 | 123 | 5.94 | 5.89 | 5.83 | 5.78 | 5.72 | 5.66 | 5.61 | 5.55 | 5.49 | 5.44 |
| PT | 2 | 133 | 5.38 | 5.32 | 5.27 | 5.21 | 5.16 | 5.10 | 5.04 | 4.99 | 4.93 | 4.88 |
| PT | 2 | 143 | 4.82 | 4.76 | 4.71 | 4.65 | 4.59 | 4.54 | 4.48 | 4.43 | 4.37 | 4.31 |
| PT | 2 | 153 | 4.26 | 4.20 | 4.14 | 4.09 | 4.03 | 3.98 | 3.92 | 3.86 | 3.81 | 3.75 |
| PT | 2 | 163 | 3.69 | 3.64 | 3.58 | 3.53 | 3.47 | 3.41 | 3.36 | 3.30 | 3.24 | 3.19 |
| PT | 2 | 173 | 3.13 | 3.08 | 3.02 | 2.96 | 2.91 | 2.85 | 2.79 | 2.74 | 2.68 | 2.62 |
| PT | 2 | 183 | 2.57 | 2.51 | 2.46 | 2.40 | 2.34 | 2.29 | 2.23 | 2.18 | 2.12 | 2.06 |
| PT | 2 | 193 | 2.01 | 1.95 | 1.89 | 1.84 | 1.78 | 1.72 | 1.67 | 1.61 | 1.56 | 1.50 |
| EP | 5 | 280 | 4.97 | 4.95 | 4.92 | 4.90 | 4.87 | 4.85 | 4.82 | 4.80 | 4.77 | 4.75 |
| EP | 5 | 290 | 4.72 | 4.70 | 4.67 | 4.65 | 4.62 | 4.60 | 4.57 | 4.55 | 4.52 | 4.50 |
| EP | 5 | 300 | 4.47 | 4.44 | 4.42 | 4.39 | 4.37 | 4.34 | 4.32 | 4.29 | 4.27 | 4.24 |
| EP | 5 | 310 | 4.22 | 4.19 | 4.17 | 4.14 | 4.12 | 4.09 | 4.07 | 4.04 | 4.02 | 3.99 |
| EP | 5 | 320 | 3.97 | 3.94 | 3.92 | 3.89 | 3.86 | 3.84 | 3.81 | 3.79 | 3.76 | 3.74 |
| EP | 5 | 330 | 3.71 | 3.69 | 3.66 | 3.64 | 3.61 | 3.59 | 3.56 | 3.54 | 3.51 | 3.49 |
| EP | 5 | 340 | 3.46 | 3.44 | 3.41 | 3.39 | 3.36 | 3.33 | 3.31 | 3.28 | 3.26 | 3.23 |
| EP | 5 | 350 | 3.21 | 3.18 | 3.16 | 3.13 | 3.11 | 3.08 | 3.06 | 3.03 | 3.01 | 2.98 |
| EP | 5 | 360 | 2.96 | 2.93 | 2.91 | 2.88 | 2.86 | 2.83 | 2.81 | 2.78 | 2.75 | 2.73 |
| EP | 5 | 370 | 2.70 | 2.68 | 2.65 | 2.63 | 2.60 | 2.58 | 2.55 | 2.53 | 2.50 | 2.48 |
| EP | 5 | 380 | 2.45 | 2.43 | 2.40 | 2.38 | 2.35 | 2.33 | 2.30 | 2.28 | 2.25 | |
| AC | 7 | 487 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 497 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 507 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 517 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 527 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 7 | 537 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 547 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 557 | 22.00 | 22.00 | 22.00 | 22.00 | | | | | | |

INTERMEDIATE REPORT
Temperature
deg C

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 11 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 21 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 31 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 41 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 51 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 61 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 71 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 81 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 91 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 101 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 111 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 121 | 30.00 | 30.00 | | | | | | | | |
| P5 | 3 | 203 | 30.07 | 30.14 | 30.21 | 30.28 | 30.35 | 30.42 | 30.49 | 30.56 | 30.63 | 30.70 |
| P5 | 3 | 213 | 30.77 | 30.84 | 30.91 | 30.98 | 31.05 | 31.12 | 31.19 | 31.26 | 31.34 | 31.41 |
| P5 | 3 | 223 | 31.48 | 31.55 | 31.62 | 31.69 | 31.76 | 31.83 | 31.90 | 31.97 | 32.04 | 32.11 |
| P5 | 3 | 233 | 32.18 | 32.25 | 32.32 | 32.39 | 32.46 | 32.53 | 32.60 | | | |
| P4 | 4 | 240 | 32.53 | 32.47 | 32.40 | 32.34 | 32.27 | 32.21 | 32.15 | 32.08 | 32.01 | 31.95 |
| P4 | 4 | 250 | 31.88 | 31.82 | 31.75 | 31.69 | 31.62 | 31.56 | 31.49 | 31.43 | 31.36 | 31.30 |
| P4 | 4 | 260 | 31.23 | 31.17 | 31.10 | 31.04 | 30.97 | 30.91 | 30.84 | 30.78 | 30.72 | 30.65 |
| P4 | 4 | 270 | 30.58 | 30.52 | 30.45 | 30.39 | 30.33 | 30.26 | 30.19 | 30.13 | 30.07 | 30.00 |
| P3 | 6 | 389 | 30.04 | 30.08 | 30.12 | 30.16 | 30.20 | 30.24 | 30.28 | 30.32 | 30.36 | 30.40 |
| P3 | 6 | 399 | 30.44 | 30.48 | 30.52 | 30.56 | 30.60 | 30.64 | 30.68 | 30.72 | 30.76 | 30.80 |
| P3 | 6 | 409 | 30.84 | 30.88 | 30.92 | 30.96 | 30.99 | 31.03 | 31.07 | 31.11 | 31.15 | 31.19 |
| P3 | 6 | 419 | 31.23 | 31.27 | 31.31 | 31.35 | 31.39 | 31.43 | 31.47 | 31.51 | 31.55 | 31.59 |
| P3 | 6 | 429 | 31.63 | 31.67 | 31.71 | 31.75 | 31.79 | 31.83 | 31.87 | 31.91 | 31.95 | 31.99 |
| P3 | 6 | 439 | 32.03 | 32.07 | 32.11 | 32.15 | 32.19 | 32.23 | 32.27 | 32.31 | 32.35 | 32.39 |
| P3 | 6 | 449 | 32.43 | 32.47 | 32.51 | 32.55 | 32.59 | 32.63 | 32.67 | 32.71 | 32.75 | 32.79 |
| P3 | 6 | 459 | 32.83 | 32.87 | 32.91 | 32.94 | 32.98 | 33.02 | 33.06 | 33.10 | 33.14 | 33.18 |
| P3 | 6 | 469 | 33.22 | 33.26 | 33.30 | 33.34 | 33.38 | 33.42 | 33.46 | 33.50 | 33.54 | 33.58 |
| P3 | 6 | 479 | 33.62 | 33.66 | 33.70 | 33.74 | 33.78 | 33.82 | 33.86 | 33.90 | | |
| P2 | 8 | 561 | 33.82 | 33.74 | 33.66 | 33.58 | 33.50 | 33.43 | 33.35 | 33.27 | 33.19 | 33.11 |
| P2 | 8 | 571 | 33.03 | 32.95 | 32.87 | 32.79 | 32.71 | 32.63 | 32.56 | 32.48 | 32.40 | 32.32 |
| P2 | 8 | 581 | 32.24 | 32.16 | 32.08 | 32.00 | 31.92 | 31.84 | 31.77 | 31.69 | 31.61 | 31.53 |
| P2 | 8 | 591 | 31.45 | 31.37 | 31.29 | 31.21 | 31.13 | 31.05 | 30.97 | 30.90 | 30.82 | 30.74 |
| P2 | 8 | 601 | 30.66 | 30.58 | 30.50 | | | | | | | |
| P1 | 9 | 604 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 614 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 624 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 634 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 644 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 654 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 664 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | | | | |
| PT | 2 | 123 | 29.80 | 29.80 | 29.81 | 29.81 | 29.81 | 29.81 | 29.82 | 29.82 | 29.82 | 29.82 |
| PT | 2 | 133 | 29.83 | 29.83 | 29.83 | 29.83 | 29.84 | 29.84 | 29.84 | 29.84 | 29.85 | 29.85 |
| PT | 2 | 143 | 29.85 | 29.85 | 29.86 | 29.86 | 29.86 | 29.86 | 29.87 | 29.87 | 29.87 | 29.88 |
| PT | 2 | 153 | 29.88 | 29.88 | 29.88 | 29.89 | 29.89 | 29.89 | 29.89 | 29.90 | 29.90 | 29.90 |
| PT | 2 | 163 | 29.90 | 29.90 | 29.91 | 29.91 | 29.91 | 29.91 | 29.92 | 29.92 | 29.92 | 29.92 |
| PT | 2 | 173 | 29.93 | 29.93 | 29.93 | 29.93 | 29.94 | 29.94 | 29.94 | 29.94 | 29.95 | 29.95 |
| PT | 2 | 183 | 29.95 | 29.95 | 29.96 | 29.96 | 29.96 | 29.97 | 29.97 | 29.97 | 29.97 | 29.98 |
| PT | 2 | 193 | 29.98 | 29.98 | 29.98 | 29.99 | 29.99 | 29.99 | 29.99 | 30.00 | 30.00 | 30.00 |
| EP | 5 | 280 | 25.84 | 25.88 | 25.92 | 25.95 | 25.99 | 26.03 | 26.07 | 26.11 | 26.15 | 26.19 |
| EP | 5 | 290 | 26.22 | 26.26 | 26.30 | 26.34 | 26.38 | 26.42 | 26.46 | 26.49 | 26.53 | 26.57 |
| EP | 5 | 300 | 26.61 | 26.65 | 26.69 | 26.72 | 26.76 | 26.80 | 26.84 | 26.88 | 26.92 | 26.96 |
| EP | 5 | 310 | 26.99 | 27.03 | 27.07 | 27.11 | 27.15 | 27.19 | 27.23 | 27.26 | 27.30 | 27.34 |
| EP | 5 | 320 | 27.38 | 27.42 | 27.46 | 27.50 | 27.53 | 27.57 | 27.61 | 27.65 | 27.69 | 27.73 |
| EP | 5 | 330 | 27.77 | 27.80 | 27.84 | 27.88 | 27.92 | 27.96 | 28.00 | 28.03 | 28.07 | 28.11 |
| EP | 5 | 340 | 28.15 | 28.19 | 28.23 | 28.27 | 28.30 | 28.34 | 28.38 | 28.42 | 28.46 | 28.50 |
| EP | 5 | 350 | 28.54 | 28.57 | 28.61 | 28.65 | 28.69 | 28.73 | 28.77 | 28.81 | 28.84 | 28.88 |
| EP | 5 | 360 | 28.92 | 28.96 | 29.00 | 29.04 | 29.08 | 29.11 | 29.15 | 29.19 | 29.23 | 29.27 |
| EP | 5 | 370 | 29.31 | 29.34 | 29.38 | 29.42 | 29.46 | 29.50 | 29.54 | 29.58 | 29.61 | 29.65 |
| EP | 5 | 380 | 29.69 | 29.73 | 29.77 | 29.81 | 29.85 | 29.88 | 29.92 | 29.96 | 30.00 | |
| AC | 7 | 487 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 497 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 7 | 507 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 517 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 527 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 537 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 547 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 557 | 33.90 | 33.90 | 33.90 | 33.90 | | | | | | |

INTERMEDIATE REPORT
Salinity
ppt

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 121 | 0.00 | 0.00 | | | | | | | | |
| P5 | 3 | 203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| P4 | 4 | 240 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 250 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 260 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 270 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 389 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 419 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 429 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 439 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 449 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 459 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 469 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 479 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| P2 | 8 | 561 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 571 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 581 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 591 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 601 | 0.00 | 0.00 | 0.00 | | | | | | | |
| P1 | 9 | 604 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 614 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 624 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 634 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 644 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 654 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 664 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| PT | 2 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 133 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 183 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 193 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 280 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 290 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 300 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 310 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 320 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 330 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 340 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 350 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 360 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 370 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 380 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| AC | 7 | 487 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 497 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 507 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 517 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 527 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 537 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 547 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 557 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT
River Distance
km

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. |
| P6 | 1 | 11 | 40. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. |
| P6 | 1 | 21 | 39. | 38. | 38. | 38. | 38. | 38. | 38. | 38. | 38. | 38. |
| P6 | 1 | 31 | 38. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. |
| P6 | 1 | 41 | 37. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. |
| P6 | 1 | 51 | 36. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. |
| P6 | 1 | 61 | 35. | 34. | 34. | 34. | 34. | 34. | 34. | 34. | 34. | 34. |
| P6 | 1 | 71 | 34. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. |
| P6 | 1 | 81 | 33. | 32. | 32. | 32. | 32. | 32. | 32. | 32. | 32. | 32. |
| P6 | 1 | 91 | 32. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. |
| P6 | 1 | 101 | 31. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. |
| P6 | 1 | 111 | 30. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. |
| P6 | 1 | 121 | 29. | 28. | | | | | | | | |
| P5 | 3 | 203 | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 27. | 27. |
| P5 | 3 | 213 | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 26. | 26. |
| P5 | 3 | 223 | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 25. | 25. |
| P5 | 3 | 233 | 25. | 25. | 25. | 25. | 25. | 25. | 25. | | | |
| P4 | 4 | 240 | 25. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. |
| P4 | 4 | 250 | 24. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. |
| P4 | 4 | 260 | 23. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. |
| P4 | 4 | 270 | 22. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. |
| P3 | 6 | 389 | 21. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. |
| P3 | 6 | 399 | 20. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. |
| P3 | 6 | 409 | 19. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. |
| P3 | 6 | 419 | 18. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. |
| P3 | 6 | 429 | 17. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. |
| P3 | 6 | 439 | 16. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. |
| P3 | 6 | 449 | 15. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. |
| P3 | 6 | 459 | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. |
| P3 | 6 | 469 | 13. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. |
| P3 | 6 | 479 | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | | |
| P2 | 8 | 561 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| P2 | 8 | 571 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| P2 | 8 | 581 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| P2 | 8 | 591 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| P2 | 8 | 601 | 7. | 7. | 7. | | | | | | | |
| P1 | 9 | 604 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| P1 | 9 | 614 | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| P1 | 9 | 624 | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| P1 | 9 | 634 | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| P1 | 9 | 644 | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| P1 | 9 | 654 | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 664 | 1. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 8. | 8. | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. |
| PT | 2 | 133 | 7. | 7. | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. |
| PT | 2 | 143 | 6. | 6. | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. |
| PT | 2 | 153 | 5. | 5. | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. |
| PT | 2 | 163 | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. |
| PT | 2 | 173 | 3. | 3. | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. |
| PT | 2 | 183 | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. |
| PT | 2 | 193 | 1. | 1. | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| EP | 5 | 290 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| EP | 5 | 300 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| EP | 5 | 310 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| EP | 5 | 320 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| EP | 5 | 330 | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| EP | 5 | 340 | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 350 | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| EP | 5 | 360 | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 370 | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| EP | 5 | 380 | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 6. |
| AC | 7 | 497 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 5. |
| AC | 7 | 507 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 4. |
| AC | 7 | 517 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 3. |
| AC | 7 | 527 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 2. |
| AC | 7 | 537 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 1. |
| AC | 7 | 547 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Flow
$m^3/s$

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 233 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 399 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 409 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 419 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 429 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 439 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 449 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 459 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 469 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 479 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| P2 | 8 | 561 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 571 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 581 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 591 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 601 | 0.5 | 0.5 | 0.5 | | | | | | | |
| P1 | 9 | 604 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 614 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 624 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 634 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 644 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 654 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 664 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Dispersion
m²/s

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 233 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 399 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 409 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 419 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 429 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 439 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 449 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 459 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 469 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 479 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| P2 | 8 | 561 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 571 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 581 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 591 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 601 | 25.0 | 25.0 | 25.0 | | | | | | | |
| P1 | 9 | 604 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 614 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 624 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 634 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 644 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 654 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 664 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Depth
m

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P6 | 1 | 11 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P6 | 1 | 21 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P6 | 1 | 31 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P6 | 1 | 41 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 51 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 61 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 71 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 81 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 91 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 101 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 111 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 121 | 0.4 | 0.4 | | | | | | | | |
| P5 | 3 | 203 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 213 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 223 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 233 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | |
| P4 | 4 | 240 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 250 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 260 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 270 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 399 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 409 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 419 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 429 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 439 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 449 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 459 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 469 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 479 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | |
| P2 | 8 | 561 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 571 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 581 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 591 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 601 | 0.5 | 0.5 | 0.5 | | | | | | | |
| P1 | 9 | 604 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 614 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 624 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 634 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 644 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 654 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 664 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | | | | |
| PT | 2 | 123 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 133 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 143 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 153 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 163 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 173 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 183 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 290 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 300 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 310 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 320 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 330 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 340 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 350 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| EP | 5 | 360 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 370 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 380 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | |
| AC | 7 | 487 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 497 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 507 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 517 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 527 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 537 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 547 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 557 | 0.3 | 0.3 | 0.3 | 0.3 | | | | | | |

INTERMEDIATE REPORT

Width
m

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 11 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 21 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 31 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 41 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 51 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 61 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 71 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 81 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 91 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 101 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 111 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 121 | 2.7 | 2.7 | | | | | | | | |
| P5 | 3 | 203 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 213 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 223 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 233 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | | | |
| P4 | 4 | 240 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 250 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 260 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 270 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P3 | 6 | 389 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 399 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 409 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 419 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 429 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 439 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 449 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 459 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 469 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 479 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | | |
| P2 | 8 | 561 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 571 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 581 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 591 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 601 | 18.3 | 18.3 | 18.3 | | | | | | | |
| P1 | 9 | 604 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 614 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 624 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 634 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 644 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 654 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 664 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | | | | |
| PT | 2 | 123 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 133 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 143 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 153 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 163 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 173 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 183 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 193 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| EP | 5 | 280 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 290 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 300 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 310 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 320 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 330 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 340 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 350 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 360 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 370 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 380 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | |
| AC | 7 | 487 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 497 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 507 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 517 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 527 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 537 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 547 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 557 | 5.2 | 5.2 | 5.2 | 5.2 | | | | | | |

INTERMEDIATE REPORT
Advective Velocity
m/s

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| P3 | 6 | 399 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 409 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 419 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 429 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 |
| P3 | 6 | 439 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 |
| P3 | 6 | 449 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| P3 | 6 | 459 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 |
| P3 | 6 | 469 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 |
| P3 | 6 | 479 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| P2 | 8 | 561 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 571 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 581 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 591 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 601 | 0.1 | 0.1 | 0.1 | | | | | | | |
| P1 | 9 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Mean Velocity
m/s

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| P3 | 6 | 399 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 409 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 419 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 429 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 |
| P3 | 6 | 439 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 |
| P3 | 6 | 449 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| P3 | 6 | 459 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 |
| P3 | 6 | 469 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 |
| P3 | 6 | 479 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| P2 | 8 | 561 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 571 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 581 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 591 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 601 | 0.1 | 0.1 | 0.1 | | | | | | | |
| P1 | 9 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 9 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Cross-Sectional Area
m²

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P6 | 1 | 11 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P6 | 1 | 21 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P6 | 1 | 31 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P6 | 1 | 41 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 51 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 61 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 71 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 81 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 91 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 101 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 111 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 121 | 1.0 | 1.0 | | | | | | | | |
| P5 | 3 | 203 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P5 | 3 | 213 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P5 | 3 | 223 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P5 | 3 | 233 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | |
| P4 | 4 | 240 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 | 1.2 |
| P4 | 4 | 250 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| P4 | 4 | 260 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| P4 | 4 | 270 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| P3 | 6 | 389 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 399 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 409 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 419 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 429 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 439 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 449 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 459 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 469 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 479 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| P2 | 8 | 561 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| P2 | 8 | 571 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| P2 | 8 | 581 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| P2 | 8 | 591 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| P2 | 8 | 601 | 8.9 | 8.9 | 8.9 | | | | | | | |
| P1 | 9 | 604 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 9 | 614 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 624 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 634 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 644 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 654 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 664 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | | | | |
| PT | 2 | 123 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 133 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 143 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 153 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 163 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 173 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 183 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 193 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| EP | 5 | 290 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| EP | 5 | 300 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| EP | 5 | 310 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| EP | 5 | 320 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| EP | 5 | 330 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| EP | 5 | 340 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| EP | 5 | 350 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 |
| EP | 5 | 360 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| EP | 5 | 370 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| EP | 5 | 380 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | |
| AC | 7 | 487 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 497 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 507 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 517 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 527 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 537 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 547 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 557 | 1.7 | 1.7 | 1.7 | 1.7 | | | | | | |

INTERMEDIATE REPORT
Reaeration Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 |
| P6 | 1 | 11 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 |
| P6 | 1 | 21 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 |
| P6 | 1 | 31 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 |
| P6 | 1 | 41 | 2.497 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 |
| P6 | 1 | 51 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 |
| P6 | 1 | 61 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 |
| P6 | 1 | 71 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 |
| P6 | 1 | 81 | 2.441 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 |
| P6 | 1 | 91 | 2.411 | 2.411 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 |
| P6 | 1 | 101 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 |
| P6 | 1 | 111 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 |
| P6 | 1 | 121 | 2.397 | 2.397 | | | | | | | | |
| P5 | 3 | 203 | 9.213 | 9.274 | 9.334 | 9.395 | 9.456 | 9.517 | 9.578 | 9.639 | 9.700 | 9.761 |
| P5 | 3 | 213 | 9.865 | 9.927 | 9.988 | 10.050 | 10.111 | 10.174 | 10.235 | 10.334 | 10.395 | 10.458 |
| P5 | 3 | 223 | 10.520 | 10.583 | 10.645 | 10.708 | 10.770 | 10.836 | 10.899 | 10.962 | 11.023 | 11.087 |
| P5 | 3 | 233 | 11.150 | 11.212 | 11.276 | 11.655 | 11.717 | 11.780 | 9.957 | | | |
| P4 | 4 | 240 | 2.698 | 2.691 | 2.684 | 2.677 | 2.670 | 2.663 | 2.656 | 2.649 | 2.642 | 2.636 |
| P4 | 4 | 250 | 2.629 | 2.623 | 2.616 | 2.610 | 2.604 | 2.598 | 2.592 | 2.587 | 2.581 | 2.576 |
| P4 | 4 | 260 | 2.570 | 2.565 | 2.561 | 2.556 | 2.552 | 2.547 | 2.543 | 2.540 | 2.536 | 2.533 |
| P4 | 4 | 270 | 2.531 | 2.528 | 2.527 | 2.525 | 2.524 | 2.524 | 2.524 | 2.538 | 2.542 | 2.547 |
| P3 | 6 | 389 | 12.037 | 12.045 | 12.054 | 12.062 | 12.071 | 12.078 | 12.086 | 12.096 | 12.104 | 12.111 |
| P3 | 6 | 399 | 12.120 | 12.128 | 12.137 | 12.145 | 12.153 | 12.161 | 12.170 | 12.178 | 12.185 | 12.194 |
| P3 | 6 | 409 | 12.202 | 12.211 | 12.219 | 12.227 | 12.237 | 12.244 | 12.253 | 12.262 | 12.270 | 12.277 |
| P3 | 6 | 419 | 12.286 | 12.295 | 12.303 | 12.312 | 12.320 | 12.328 | 12.336 | 12.344 | 12.352 | 12.361 |
| P3 | 6 | 429 | 12.369 | 12.377 | 12.386 | 12.395 | 12.403 | 12.411 | 12.420 | 12.428 | 12.436 | 12.445 |
| P3 | 6 | 439 | 12.454 | 12.462 | 12.469 | 12.478 | 12.487 | 12.496 | 12.503 | 12.511 | 12.520 | 12.528 |
| P3 | 6 | 449 | 12.537 | 12.545 | 12.554 | 12.562 | 12.571 | 12.578 | 12.587 | 12.595 | 12.604 | 12.613 |
| P3 | 6 | 459 | 12.621 | 12.629 | 12.638 | 12.646 | 12.654 | 12.663 | 12.672 | 12.680 | 12.688 | 12.697 |
| P3 | 6 | 469 | 12.705 | 12.713 | 12.722 | 12.730 | 12.739 | 12.747 | 12.755 | 12.764 | 12.772 | 12.780 |
| P3 | 6 | 479 | 12.790 | 12.798 | 12.806 | 12.815 | 12.823 | 12.831 | 12.840 | 12.849 | | |
| P2 | 8 | 561 | 1.853 | 1.850 | 1.848 | 1.845 | 1.843 | 1.839 | 1.837 | 1.834 | 1.832 | 1.829 |
| P2 | 8 | 571 | 1.827 | 1.825 | 1.822 | 1.820 | 1.817 | 1.815 | 1.813 | 1.810 | 1.808 | 1.805 |
| P2 | 8 | 581 | 1.803 | 1.801 | 1.798 | 1.795 | 1.793 | 1.790 | 1.788 | 1.786 | 1.783 | 1.781 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2 | 8 | 591 | 1.778 | 1.776 | 1.774 | 1.771 | 1.769 | 1.767 | 1.764 | 1.762 | 1.759 | 1.757 |
| P2 | 8 | 601 | 1.755 | 1.752 | 1.749 | | | | | | | |
| P1 | 9 | 604 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 614 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 624 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 634 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 644 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 654 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 664 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | | | | |
| PT | 2 | 123 | 7.913 | 7.913 | 7.913 | 7.914 | 7.913 | 7.915 | 7.915 | 7.915 | 7.915 | 7.916 |
| PT | 2 | 133 | 7.916 | 7.916 | 7.917 | 7.917 | 7.917 | 7.918 | 7.918 | 7.918 | 7.919 | 7.919 |
| PT | 2 | 143 | 7.920 | 7.920 | 7.920 | 7.921 | 7.921 | 7.921 | 7.922 | 7.921 | 7.923 | 7.923 |
| PT | 2 | 153 | 7.923 | 7.924 | 7.924 | 7.924 | 7.925 | 7.925 | 7.925 | 7.926 | 7.926 | 7.926 |
| PT | 2 | 163 | 7.926 | 7.927 | 7.927 | 7.928 | 7.928 | 7.928 | 7.928 | 7.929 | 7.929 | 7.929 |
| PT | 2 | 173 | 7.929 | 7.931 | 7.930 | 7.930 | 7.931 | 7.931 | 7.932 | 7.932 | 7.933 | 7.932 |
| PT | 2 | 183 | 7.934 | 7.933 | 7.934 | 7.934 | 7.935 | 7.935 | 7.935 | 7.935 | 7.936 | 7.936 |
| PT | 2 | 193 | 9.604 | 9.604 | 11.235 | 11.235 | 11.236 | 11.236 | 11.237 | 11.238 | 11.238 | 11.238 |
| EP | 5 | 280 | 2.754 | 2.749 | 2.745 | 2.740 | 2.736 | 2.732 | 2.729 | 2.726 | 2.723 | 2.720 |
| EP | 5 | 290 | 2.717 | 2.715 | 2.712 | 2.710 | 2.708 | 2.706 | 2.705 | 2.703 | 2.702 | 2.700 |
| EP | 5 | 300 | 2.699 | 2.698 | 2.677 | 2.677 | 2.677 | 2.677 | 2.677 | 2.677 | 2.677 | 2.677 |
| EP | 5 | 310 | 2.678 | 2.678 | 2.679 | 2.679 | 2.680 | 2.680 | 2.681 | 2.682 | 2.683 | 2.679 |
| EP | 5 | 320 | 2.680 | 2.681 | 2.682 | 2.683 | 2.685 | 2.686 | 2.687 | 2.688 | 2.690 | 2.691 |
| EP | 5 | 330 | 2.693 | 2.694 | 2.696 | 2.697 | 2.698 | 2.700 | 2.702 | 2.703 | 2.705 | 2.707 |
| EP | 5 | 340 | 2.708 | 2.710 | 2.712 | 2.713 | 2.715 | 2.717 | 2.719 | 2.721 | 2.723 | 2.725 |
| EP | 5 | 350 | 2.727 | 2.729 | 2.731 | 2.733 | 2.735 | 2.737 | 2.739 | 2.741 | 2.758 | 2.761 |
| EP | 5 | 360 | 2.763 | 2.766 | 2.768 | 2.771 | 2.773 | 2.776 | 2.778 | 2.781 | 2.784 | 2.786 |
| EP | 5 | 370 | 2.789 | 2.791 | 2.794 | 2.797 | 2.800 | 2.802 | 2.805 | 2.808 | 2.810 | 2.813 |
| EP | 5 | 380 | 2.816 | 2.818 | 2.821 | 2.824 | 2.826 | 2.829 | 2.832 | 2.834 | 2.837 | |
| AC | 7 | 487 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 |
| AC | 7 | 497 | 2.819 | 2.819 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 |
| AC | 7 | 507 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 |
| AC | 7 | 517 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 |
| AC | 7 | 527 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.795 | 2.795 | 2.795 |
| AC | 7 | 537 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.749 |
| AC | 7 | 547 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 |
| AC | 7 | 557 | 2.749 | 2.749 | 2.749 | 2.749 | | | | | | |

INTERMEDIATE REPORT
BOD1 Decay Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
BOD1 Settling Rate
m/d

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen Decay Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P3 | 6 | 469 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P3 | 6 | 479 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | |
| P2 | 8 | 561 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 571 | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 497 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 507 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 517 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 527 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 537 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 547 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 557 | 1. | 1. | 1. | 1. | | | | | | |

INTERMEDIATE REPORT
Sediment Oxygen Demand
g/m²/d

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 399 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P3 | 6 | 409 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P3 | 6 | 419 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P3 | 6 | 429 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P3 | 6 | 439 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P3 | 6 | 449 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P3 | 6 | 459 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P3 | 6 | 469 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P3 | 6 | 479 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | | | |
| P2 | 8 | 561 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | | | | | | | | | | | | |
| P2 | 8 | 571 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | | | | | | | | | | | | |
| P2 | 8 | 581 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | | | | | | | | | | | | |
| P2 | 8 | 591 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | | | | | | | | | | | | |
| P2 | 8 | 601 | 3. | 3. | 3. | | | | | | | | | | | | | | | | | | | | | | |
| P1 | 9 | 604 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| P1 | 9 | 614 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| P1 | 9 | 624 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| P1 | 9 | 634 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| P1 | 9 | 644 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| P1 | 9 | 654 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| P1 | 9 | 664 | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| EP | 5 | 280 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | | | | | | | | | | | | |
| EP | 5 | 290 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | | | | | | | | | | | | |
| EP | 5 | 300 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 4. | | | | | | | | | | | | | | | |
| EP | 5 | 310 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | | | | | | | | | | | | | | | |
| EP | 5 | 320 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | | | | | | | | | | | | | | | |
| EP | 5 | 330 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | | | | | | | | | | | | | | | |
| EP | 5 | 340 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | | | | | | | | | | | | | | | |
| EP | 5 | 350 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | | | | | | | | | | | | | | | |
| EP | 5 | 360 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | | | | | | | | | | | | | | | |
| EP | 5 | 370 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | | | | | | | | | | | | | | | |
| EP | 5 | 380 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | | | | | | | | | | | | | | | | |
| AC | 7 | 487 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 497 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 507 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 517 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 527 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 537 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 547 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 557 | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | | | | | | | |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | HDWTR | 0.003 | 30.00 | 0.0 | 6.85 | 15.84 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 0.00 | 0.00 | 1.5 | | | | | | | | | | | | | |
| 1 | P6 | 1 | 40.50 | 0.003 | 30.00 | 0.0 | 6.99 | 15.33 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 2 | P6 | 1 | 40.40 | 0.003 | 30.00 | 0.0 | 7.07 | 14.83 | 0.00 | 1.27 | 0.24 | 0.13 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 3 | P6 | 1 | 40.30 | 0.003 | 30.00 | 0.0 | 7.13 | 14.34 | 0.00 | 1.26 | 0.21 | 0.15 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 4 | P6 | 1 | 40.20 | 0.003 | 30.00 | 0.0 | 7.17 | 13.86 | 0.00 | 1.25 | 0.19 | 0.16 | 1.61 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 5 | P6 | 1 | 40.10 | 0.003 | 30.00 | 0.0 | 7.20 | 13.40 | 0.00 | 1.25 | 0.17 | 0.18 | 1.59 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 6 | P6 | 1 | 40.00 | 0.003 | 30.00 | 0.0 | 7.23 | 12.95 | 0.00 | 1.24 | 0.15 | 0.19 | 1.58 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 7 | P6 | 1 | 39.90 | 0.003 | 30.00 | 0.0 | 7.25 | 12.51 | 0.00 | 1.24 | 0.14 | 0.19 | 1.56 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 8 | P6 | 1 | 39.80 | 0.003 | 30.00 | 0.0 | 7.27 | 12.08 | 0.00 | 1.23 | 0.12 | 0.20 | 1.55 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 9 | P6 | 1 | 39.70 | 0.003 | 30.00 | 0.0 | 7.29 | 11.67 | 0.00 | 1.23 | 0.11 | 0.20 | 1.54 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 10 | P6 | 1 | 39.60 | 0.003 | 30.00 | 0.0 | 7.31 | 11.27 | 0.00 | 1.22 | 0.10 | 0.20 | 1.52 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 11 | P6 | 1 | 39.50 | 0.003 | 30.00 | 0.0 | 7.32 | 10.89 | 0.00 | 1.21 | 0.09 | 0.20 | 1.51 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 12 | P6 | 1 | 39.40 | 0.003 | 30.00 | 0.0 | 7.33 | 10.51 | 0.00 | 1.21 | 0.09 | 0.20 | 1.49 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 13 | P6 | 1 | 39.30 | 0.003 | 30.00 | 0.0 | 7.35 | 10.15 | 0.00 | 1.20 | 0.08 | 0.20 | 1.48 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 14 | P6 | 1 | 39.20 | 0.003 | 30.00 | 0.0 | 7.36 | 9.80 | 0.00 | 1.20 | 0.07 | 0.19 | 1.47 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 15 | P6 | 1 | 39.10 | 0.003 | 30.00 | 0.0 | 7.37 | 9.46 | 0.00 | 1.19 | 0.07 | 0.19 | 1.45 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 16 | P6 | 1 | 39.00 | 0.003 | 30.00 | 0.0 | 7.38 | 9.13 | 0.00 | 1.19 | 0.06 | 0.19 | 1.44 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 17 | P6 | 1 | 38.90 | 0.003 | 30.00 | 0.0 | 7.39 | 8.82 | 0.00 | 1.18 | 0.06 | 0.18 | 1.42 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 18 | P6 | 1 | 38.80 | 0.003 | 30.00 | 0.0 | 7.40 | 8.51 | 0.00 | 1.17 | 0.06 | 0.18 | 1.41 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 19 | P6 | 1 | 38.70 | 0.003 | 30.00 | 0.0 | 7.40 | 8.22 | 0.00 | 1.17 | 0.05 | 0.17 | 1.40 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | P6 1 | 38.60 | 0.003 | 30.00 | 0.0 | 7.41 | 7.93 | 0.00 | 1.16 | 0.05 | 0.17 | 1.39 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| | WASTELOAD # 021 (LA0122424) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | P6 1 | 38.50 | 0.003 | 30.00 | 0.0 | 7.37 | 7.55 | 0.00 | 1.14 | 0.05 | 0.19 | 1.38 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 22 | P6 1 | 38.40 | 0.003 | 30.00 | 0.0 | 7.40 | 7.28 | 0.00 | 1.14 | 0.05 | 0.18 | 1.37 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 23 | P6 1 | 38.30 | 0.003 | 30.00 | 0.0 | 7.42 | 7.03 | 0.00 | 1.13 | 0.05 | 0.18 | 1.35 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 24 | P6 1 | 38.20 | 0.003 | 30.00 | 0.0 | 7.43 | 6.78 | 0.00 | 1.13 | 0.04 | 0.17 | 1.34 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 25 | P6 1 | 38.10 | 0.003 | 30.00 | 0.0 | 7.44 | 6.55 | 0.00 | 1.12 | 0.04 | 0.17 | 1.33 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 26 | P6 1 | 38.00 | 0.003 | 30.00 | 0.0 | 7.45 | 6.32 | 0.00 | 1.12 | 0.04 | 0.16 | 1.32 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 27 | P6 1 | 37.90 | 0.003 | 30.00 | 0.0 | 7.46 | 6.10 | 0.00 | 1.11 | 0.04 | 0.15 | 1.31 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 28 | P6 1 | 37.80 | 0.003 | 30.00 | 0.0 | 7.46 | 5.88 | 0.00 | 1.11 | 0.04 | 0.15 | 1.30 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 29 | P6 1 | 37.70 | 0.003 | 30.00 | 0.0 | 7.47 | 5.68 | 0.00 | 1.10 | 0.04 | 0.14 | 1.29 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 30 | P6 1 | 37.60 | 0.003 | 30.00 | 0.0 | 7.47 | 5.48 | 0.00 | 1.10 | 0.04 | 0.14 | 1.27 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 31 | P6 1 | 37.50 | 0.003 | 30.00 | 0.0 | 7.48 | 5.29 | 0.00 | 1.09 | 0.04 | 0.14 | 1.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 32 | P6 1 | 37.40 | 0.003 | 30.00 | 0.0 | 7.48 | 5.10 | 0.00 | 1.09 | 0.04 | 0.13 | 1.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 33 | P6 1 | 37.30 | 0.003 | 30.00 | 0.0 | 7.48 | 4.92 | 0.00 | 1.08 | 0.04 | 0.13 | 1.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 34 | P6 1 | 37.20 | 0.003 | 30.00 | 0.0 | 7.49 | 4.75 | 0.00 | 1.08 | 0.04 | 0.12 | 1.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 35 | P6 1 | 37.10 | 0.003 | 30.00 | 0.0 | 7.49 | 4.58 | 0.00 | 1.07 | 0.04 | 0.12 | 1.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 36 | P6 1 | 37.00 | 0.003 | 30.00 | 0.0 | 7.49 | 4.42 | 0.00 | 1.07 | 0.04 | 0.11 | 1.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 37 | P6 1 | 36.90 | 0.003 | 30.00 | 0.0 | 7.50 | 4.27 | 0.00 | 1.06 | 0.03 | 0.11 | 1.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 38 | P6 1 | 36.80 | 0.003 | 30.00 | 0.0 | 7.50 | 4.12 | 0.00 | 1.06 | 0.03 | 0.11 | 1.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 39 | P6 1 | 36.70 | 0.003 | 30.00 | 0.0 | 7.50 | 3.97 | 0.00 | 1.05 | 0.03 | 0.10 | 1.19 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 40 | P6 1 | 36.60 | 0.003 | 30.00 | 0.0 | 7.51 | 3.84 | 0.00 | 1.05 | 0.03 | 0.10 | 1.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 41 | P6 1 | 36.50 | 0.003 | 30.00 | 0.0 | 7.51 | 3.70 | 0.00 | 1.04 | 0.03 | 0.10 | 1.17 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| | WASTELOAD # 042 (Grp1-Rch1) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | P6 1 | 36.40 | 0.004 | 30.00 | 0.0 | 5.60 | 23.04 | 0.00 | 2.26 | 2.78 | 0.92 | 5.96 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 43 | P6 1 | 36.30 | 0.004 | 30.00 | 0.0 | 5.52 | 22.38 | 0.00 | 2.25 | 2.51 | 1.15 | 5.91 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 44 | P6 1 | 36.20 | 0.004 | 30.00 | 0.0 | 5.54 | 21.71 | 0.00 | 2.25 | 2.26 | 1.34 | 5.85 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 45 | P6 1 | 36.10 | 0.004 | 30.00 | 0.0 | 5.63 | 21.04 | 0.00 | 2.24 | 2.04 | 1.50 | 5.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 46 | P6 1 | 36.00 | 0.004 | 30.00 | 0.0 | 5.74 | 20.36 | 0.00 | 2.23 | 1.85 | 1.63 | 5.71 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 47 | P6 1 | 35.90 | 0.004 | 30.00 | 0.0 | 5.86 | 19.69 | 0.00 | 2.22 | 1.67 | 1.74 | 5.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 48 | P6 1 | 35.80 | 0.004 | 30.00 | 0.0 | 5.98 | 19.02 | 0.00 | 2.22 | 1.51 | 1.82 | 5.55 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 49 | P6 1 | 35.70 | 0.004 | 30.00 | 0.0 | 6.11 | 18.36 | 0.00 | 2.21 | 1.36 | 1.89 | 5.46 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 50 | P6 1 | 35.60 | 0.004 | 30.00 | 0.0 | 6.22 | 17.71 | 0.00 | 2.20 | 1.24 | 1.94 | 5.38 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 51 | P6 1 | 35.50 | 0.004 | 30.00 | 0.0 | 6.33 | 17.07 | 0.00 | 2.19 | 1.12 | 1.98 | 5.29 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 52 | P6 1 | 35.40 | 0.004 | 30.00 | 0.0 | 6.42 | 16.44 | 0.00 | 2.19 | 1.01 | 2.00 | 5.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 53 | P6 1 | 35.30 | 0.004 | 30.00 | 0.0 | 6.51 | 15.82 | 0.00 | 2.18 | 0.92 | 2.01 | 5.11 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 54 | P6 1 | 35.20 | 0.004 | 30.00 | 0.0 | 6.60 | 15.21 | 0.00 | 2.17 | 0.83 | 2.01 | 5.02 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 55 | P6 1 | 35.10 | 0.004 | 30.00 | 0.0 | 6.67 | 14.63 | 0.00 | 2.16 | 0.76 | 2.01 | 4.93 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 56 | P6 1 | 35.00 | 0.004 | 30.00 | 0.0 | 6.74 | 14.05 | 0.00 | 2.16 | 0.69 | 2.00 | 4.84 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 57 | P6 1 | 34.90 | 0.004 | 30.00 | 0.0 | 6.81 | 13.49 | 0.00 | 2.15 | 0.63 | 1.98 | 4.75 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 58 | P6 1 | 34.80 | 0.004 | 30.00 | 0.0 | 6.87 | 12.95 | 0.00 | 2.14 | 0.57 | 1.95 | 4.66 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 59 | P6 1 | 34.70 | 0.004 | 30.00 | 0.0 | 6.92 | 12.42 | 0.00 | 2.13 | 0.52 | 1.92 | 4.58 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 60 | P6 1 | 34.60 | 0.004 | 30.00 | 0.0 | 6.97 | 11.91 | 0.00 | 2.13 | 0.47 | 1.89 | 4.49 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 61 | P6 1 | 34.50 | 0.004 | 30.00 | 0.0 | 7.01 | 11.41 | 0.00 | 2.12 | 0.43 | 1.86 | 4.41 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 62 | P6 1 | 34.40 | 0.004 | 30.00 | 0.0 | 7.05 | 10.93 | 0.00 | 2.11 | 0.40 | 1.82 | 4.33 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 63 | P6 1 | 34.30 | 0.004 | 30.00 | 0.0 | 7.09 | 10.46 | 0.00 | 2.11 | 0.36 | 1.78 | 4.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 64 | P6 1 | 34.20 | 0.004 | 30.00 | 0.0 | 7.13 | 10.02 | 0.00 | 2.10 | 0.33 | 1.74 | 4.17 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 65 | P6 1 | 34.10 | 0.004 | 30.00 | 0.0 | 7.16 | 9.58 | 0.00 | 2.09 | 0.31 | 1.70 | 4.09 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 66 | P6 1 | 34.00 | 0.004 | 30.00 | 0.0 | 7.19 | 9.16 | 0.00 | 2.08 | 0.28 | 1.65 | 4.02 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 67 | P6 1 | 33.90 | 0.004 | 30.00 | 0.0 | 7.21 | 8.76 | 0.00 | 2.08 | 0.26 | 1.61 | 3.95 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 68 | P6 1 | 33.80 | 0.004 | 30.00 | 0.0 | 7.24 | 8.37 | 0.00 | 2.07 | 0.24 | 1.57 | 3.88 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 69 | P6 1 | 33.70 | 0.004 | 30.00 | 0.0 | 7.26 | 7.99 | 0.00 | 2.06 | 0.22 | 1.52 | 3.81 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 70 | P6 1 | 33.60 | 0.004 | 30.00 | 0.0 | 7.28 | 7.63 | 0.00 | 2.06 | 0.21 | 1.48 | 3.74 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 71 | P6 1 | 33.50 | 0.004 | 30.00 | 0.0 | 7.30 | 7.28 | 0.00 | 2.05 | 0.19 | 1.43 | 3.68 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | P6 1 | 33.40 | 0.004 | 30.00 | 0.0 | 7.32 | 6.95 | 0.00 | 2.04 | 0.18 | 1.39 | 3.61 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 73 | P6 1 | 33.30 | 0.004 | 30.00 | 0.0 | 7.34 | 6.63 | 0.00 | 2.04 | 0.17 | 1.35 | 3.55 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 74 | P6 1 | 33.20 | 0.004 | 30.00 | 0.0 | 7.35 | 6.32 | 0.00 | 2.03 | 0.16 | 1.31 | 3.49 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 75 | P6 1 | 33.10 | 0.004 | 30.00 | 0.0 | 7.36 | 6.02 | 0.00 | 2.02 | 0.15 | 1.27 | 3.44 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 76 | P6 1 | 33.00 | 0.004 | 30.00 | 0.0 | 7.38 | 5.73 | 0.00 | 2.02 | 0.14 | 1.23 | 3.38 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 77 | P6 1 | 32.90 | 0.004 | 30.00 | 0.0 | 7.39 | 5.46 | 0.00 | 2.01 | 0.13 | 1.19 | 3.33 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 78 | P6 1 | 32.80 | 0.004 | 30.00 | 0.0 | 7.40 | 5.19 | 0.00 | 2.00 | 0.12 | 1.15 | 3.27 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 79 | P6 1 | 32.70 | 0.004 | 30.00 | 0.0 | 7.41 | 4.94 | 0.00 | 1.99 | 0.12 | 1.11 | 3.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 80 | P6 1 | 32.60 | 0.004 | 30.00 | 0.0 | 7.42 | 4.70 | 0.00 | 1.99 | 0.11 | 1.07 | 3.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 81 | P6 1 | 32.50 | 0.004 | 30.00 | 0.0 | 7.43 | 4.46 | 0.00 | 1.98 | 0.11 | 1.04 | 3.13 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| | WASTELOAD # 082 (LAG541777) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | P6 1 | 32.40 | 0.005 | 30.00 | 0.0 | 5.99 | 19.24 | 0.00 | 2.71 | 2.25 | 1.41 | 6.36 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 83 | P6 1 | 32.30 | 0.005 | 30.00 | 0.0 | 5.91 | 18.74 | 0.00 | 2.70 | 2.07 | 1.54 | 6.31 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 84 | P6 1 | 32.20 | 0.005 | 30.00 | 0.0 | 5.90 | 18.25 | 0.00 | 2.69 | 1.91 | 1.65 | 6.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | P6 | 1 | 32.10 | 0.005 | 30.00 | 0.0 | 5.93 | 17.75 | 0.00 | 2.69 | 1.76 | 1.74 | 6.19 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 86 | P6 | 1 | 32.00 | 0.005 | 30.00 | 0.0 | 5.99 | 17.25 | 0.00 | 2.68 | 1.63 | 1.82 | 6.12 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 87 | P6 | 1 | 31.90 | 0.005 | 30.00 | 0.0 | 6.06 | 16.76 | 0.00 | 2.67 | 1.50 | 1.88 | 6.05 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 88 | P6 | 1 | 31.80 | 0.005 | 30.00 | 0.0 | 6.14 | 16.27 | 0.00 | 2.66 | 1.38 | 1.94 | 5.98 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 89 | P6 | 1 | 31.70 | 0.005 | 30.00 | 0.0 | 6.23 | 15.79 | 0.00 | 2.66 | 1.28 | 1.98 | 5.91 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 90 | P6 | 1 | 31.60 | 0.005 | 30.00 | 0.0 | 6.31 | 15.31 | 0.00 | 2.65 | 1.18 | 2.01 | 5.84 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 91 | P6 | 1 | 31.50 | 0.005 | 30.00 | 0.0 | 6.39 | 14.83 | 0.00 | 2.64 | 1.09 | 2.04 | 5.77 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 92 | P6 | 1 | 31.40 | 0.005 | 30.00 | 0.0 | 6.46 | 14.37 | 0.00 | 2.63 | 1.01 | 2.05 | 5.70 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| WASTELOAD # 093 (LAG541118) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | P6 | 1 | 31.30 | 0.006 | 30.00 | 0.0 | 5.64 | 22.91 | 0.00 | 3.02 | 2.33 | 2.15 | 7.51 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 94 | P6 | 1 | 31.20 | 0.006 | 30.00 | 0.0 | 5.63 | 22.37 | 0.00 | 3.01 | 2.18 | 2.25 | 7.44 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 95 | P6 | 1 | 31.10 | 0.006 | 30.00 | 0.0 | 5.65 | 21.84 | 0.00 | 3.01 | 2.03 | 2.33 | 7.37 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 96 | P6 | 1 | 31.00 | 0.006 | 30.00 | 0.0 | 5.71 | 21.30 | 0.00 | 3.00 | 1.89 | 2.40 | 7.30 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 97 | P6 | 1 | 30.90 | 0.006 | 30.00 | 0.0 | 5.77 | 20.77 | 0.00 | 2.99 | 1.77 | 2.46 | 7.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 98 | P6 | 1 | 30.80 | 0.006 | 30.00 | 0.0 | 5.85 | 20.25 | 0.00 | 2.99 | 1.65 | 2.51 | 7.14 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 99 | P6 | 1 | 30.70 | 0.006 | 30.00 | 0.0 | 5.93 | 19.73 | 0.00 | 2.98 | 1.54 | 2.55 | 7.07 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 100 | P6 | 1 | 30.60 | 0.006 | 30.00 | 0.0 | 6.01 | 19.21 | 0.00 | 2.97 | 1.44 | 2.58 | 6.99 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 101 | P6 | 1 | 30.50 | 0.006 | 30.00 | 0.0 | 6.09 | 18.70 | 0.00 | 2.97 | 1.34 | 2.60 | 6.91 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 102 | P6 | 1 | 30.40 | 0.006 | 30.00 | 0.0 | 6.17 | 18.20 | 0.00 | 2.96 | 1.25 | 2.62 | 6.83 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 103 | P6 | 1 | 30.30 | 0.006 | 30.00 | 0.0 | 6.24 | 17.70 | 0.00 | 2.95 | 1.17 | 2.63 | 6.75 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 104 | P6 | 1 | 30.20 | 0.006 | 30.00 | 0.0 | 6.32 | 17.21 | 0.00 | 2.95 | 1.10 | 2.63 | 6.67 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 105 | P6 | 1 | 30.10 | 0.006 | 30.00 | 0.0 | 6.39 | 16.73 | 0.00 | 2.94 | 1.03 | 2.63 | 6.59 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 106 | P6 | 1 | 30.00 | 0.006 | 30.00 | 0.0 | 6.45 | 16.26 | 0.00 | 2.93 | 0.96 | 2.62 | 6.51 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 107 | P6 | 1 | 29.90 | 0.006 | 30.00 | 0.0 | 6.51 | 15.79 | 0.00 | 2.92 | 0.90 | 2.61 | 6.43 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 108 | P6 | 1 | 29.80 | 0.006 | 30.00 | 0.0 | 6.57 | 15.34 | 0.00 | 2.92 | 0.84 | 2.59 | 6.35 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 109 | P6 | 1 | 29.70 | 0.006 | 30.00 | 0.0 | 6.62 | 14.89 | 0.00 | 2.91 | 0.79 | 2.57 | 6.27 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 110 | P6 | 1 | 29.60 | 0.006 | 30.00 | 0.0 | 6.67 | 14.45 | 0.00 | 2.90 | 0.74 | 2.55 | 6.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 111 | P6 | 1 | 29.50 | 0.006 | 30.00 | 0.0 | 6.72 | 14.01 | 0.00 | 2.90 | 0.69 | 2.53 | 6.12 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 112 | P6 | 1 | 29.40 | 0.006 | 30.00 | 0.0 | 6.77 | 13.59 | 0.00 | 2.89 | 0.65 | 2.50 | 6.04 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 113 | P6 | 1 | 29.30 | 0.006 | 30.00 | 0.0 | 6.81 | 13.18 | 0.00 | 2.88 | 0.61 | 2.47 | 5.97 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 114 | P6 | 1 | 29.20 | 0.006 | 30.00 | 0.0 | 6.85 | 12.77 | 0.00 | 2.88 | 0.57 | 2.44 | 5.89 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 115 | P6 | 1 | 29.10 | 0.006 | 30.00 | 0.0 | 6.89 | 12.38 | 0.00 | 2.87 | 0.54 | 2.41 | 5.82 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 116 | P6 | 1 | 29.00 | 0.006 | 30.00 | 0.0 | 6.92 | 11.99 | 0.00 | 2.86 | 0.51 | 2.38 | 5.75 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 117 | P6 | 1 | 28.90 | 0.006 | 30.00 | 0.0 | 6.96 | 11.61 | 0.00 | 2.86 | 0.48 | 2.34 | 5.68 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 118 | P6 | 1 | 28.80 | 0.006 | 30.00 | 0.0 | 6.99 | 11.24 | 0.00 | 2.85 | 0.45 | 2.30 | 5.61 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 119 | P6 | 1 | 28.70 | 0.006 | 30.00 | 0.0 | 7.02 | 10.88 | 0.00 | 2.85 | 0.43 | 2.27 | 5.54 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 120 | P6 | 1 | 28.60 | 0.006 | 30.00 | 0.0 | 7.05 | 10.53 | 0.00 | 2.84 | 0.40 | 2.23 | 5.47 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 121 | P6 | 1 | 28.50 | 0.006 | 30.00 | 0.0 | 7.07 | 10.18 | 0.00 | 2.83 | 0.38 | 2.19 | 5.40 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 122 | P6 | 1 | 28.40 | 0.006 | 30.00 | 0.0 | 7.10 | 9.85 | 0.00 | 2.83 | 0.36 | 2.15 | 5.34 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| TRIBUTARY # 123 (Pont. Trib.) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 203 | P5 | 3 | 28.30 | 0.017 | 30.07 | 0.0 | 7.09 | 15.58 | 0.00 | 2.96 | 0.88 | 1.29 | 5.13 | 0.00 | 0.00 | 2.6 | 0.0 | 0.15 | 3.3 | 0.034 | 0.034 | 7.549 | 9.213 | 0.05 | 0.08 | 0.00 | 0.00 | 0.40 | 0.00 |
| 204 | P5 | 3 | 28.20 | 0.018 | 30.14 | 0.0 | 7.14 | 15.33 | 0.00 | 2.93 | 0.85 | 1.27 | 5.06 | 0.00 | 0.00 | 3.7 | 0.0 | 0.15 | 3.3 | 0.035 | 0.035 | 7.540 | 9.274 | 0.05 | 0.08 | 0.00 | 0.00 | 0.40 | 0.00 |
| 205 | P5 | 3 | 28.10 | 0.018 | 30.21 | 0.0 | 7.18 | 15.09 | 0.00 | 2.91 | 0.83 | 1.25 | 4.99 | 0.00 | 0.00 | 4.8 | 0.0 | 0.15 | 3.3 | 0.035 | 0.035 | 7.531 | 9.334 | 0.05 | 0.08 | 0.00 | 0.00 | 0.41 | 0.00 |
| 206 | P5 | 3 | 28.00 | 0.018 | 30.28 | 0.0 | 7.22 | 14.86 | 0.00 | 2.89 | 0.80 | 1.23 | 4.92 | 0.00 | 0.00 | 5.9 | 0.0 | 0.15 | 3.3 | 0.036 | 0.036 | 7.522 | 9.395 | 0.05 | 0.08 | 0.00 | 0.00 | 0.41 | 0.00 |
| 207 | P5 | 3 | 27.90 | 0.019 | 30.35 | 0.0 | 7.24 | 14.65 | 0.00 | 2.86 | 0.78 | 1.21 | 4.85 | 0.00 | 0.00 | 7.0 | 0.0 | 0.15 | 3.3 | 0.037 | 0.037 | 7.513 | 9.456 | 0.05 | 0.08 | 0.00 | 0.00 | 0.41 | 0.00 |
| 208 | P5 | 3 | 27.80 | 0.019 | 30.42 | 0.0 | 7.26 | 14.44 | 0.00 | 2.84 | 0.76 | 1.19 | 4.79 | 0.00 | 0.00 | 8.1 | 0.0 | 0.15 | 3.3 | 0.037 | 0.037 | 7.504 | 9.517 | 0.05 | 0.08 | 0.00 | 0.00 | 0.41 | 0.00 |
| 209 | P5 | 3 | 27.70 | 0.020 | 30.49 | 0.0 | 7.28 | 14.24 | 0.00 | 2.82 | 0.74 | 1.17 | 4.73 | 0.00 | 0.00 | 9.2 | 0.0 | 0.15 | 3.3 | 0.038 | 0.038 | 7.495 | 9.578 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| 210 | P5 | 3 | 27.60 | 0.020 | 30.56 | 0.0 | 7.29 | 14.05 | 0.00 | 2.80 | 0.72 | 1.15 | 4.67 | 0.00 | 0.00 | 10.3 | 0.0 | 0.15 | 3.3 | 0.039 | 0.039 | 7.486 | 9.639 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| 211 | P5 | 3 | 27.50 | 0.020 | 30.63 | 0.0 | 7.30 | 13.86 | 0.00 | 2.78 | 0.70 | 1.13 | 4.61 | 0.00 | 0.00 | 11.4 | 0.0 | 0.15 | 3.3 | 0.039 | 0.039 | 7.477 | 9.700 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| 212 | P5 | 3 | 27.40 | 0.021 | 30.70 | 0.0 | 7.31 | 13.69 | 0.00 | 2.77 | 0.68 | 1.11 | 4.56 | 0.00 | 0.00 | 12.4 | 0.0 | 0.15 | 3.3 | 0.040 | 0.040 | 7.468 | 9.761 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| WASTELOAD # 213 (Grp2-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 213 | P5 | 3 | 27.30 | 0.021 | 30.77 | 0.0 | 7.25 | 14.43 | 0.00 | 2.79 | 0.81 | 1.11 | 4.71 | 0.00 | 0.00 | 13.5 | 0.0 | 0.15 | 3.3 | 0.041 | 0.041 | 7.458 | 9.865 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| 214 | P5 | 3 | 27.20 | 0.022 | 30.84 | 0.0 | 7.27 | 14.25 | 0.00 | 2.77 | 0.79 | 1.09 | 4.65 | 0.00 | 0.00 | 14.6 | 0.0 | 0.16 | 3.3 | 0.042 | 0.042 | 7.450 | 9.927 | 0.05 | 0.08 | 0.00 | 0.00 | 0.43 | 0.00 |
| 215 | P5 | 3 | 27.10 | 0.022 | 30.91 | 0.0 | 7.28 | 14.08 | 0.00 | 2.75 | 0.77 | 1.08 | 4.60 | 0.00 | 0.00 | 15.7 | 0.0 | 0.16 | 3.3 | 0.043 | 0.043 | 7.441 | 9.988 | 0.05 | 0.08 | 0.00 | 0.00 | 0.43 | 0.00 |
| 216 | P5 | 3 | 27.00 | 0.023 | 30.98 | 0.0 | 7.29 | 13.92 | 0.00 | 2.74 | 0.75 | 1.06 | 4.55 | 0.00 | 0.00 | 16.8 | 0.0 | 0.16 | 3.3 | 0.043 | 0.043 | 7.432 | 10.050 | 0.05 | 0.08 | 0.00 | 0.00 | 0.43 | 0.00 |
| 217 | P5 | 3 | 26.90 | 0.023 | 31.05 | 0.0 | 7.30 | 13.76 | 0.00 | 2.72 | 0.73 | 1.04 | 4.50 | 0.00 | 0.00 | 17.9 | 0.0 | 0.16 | 3.3 | 0.044 | 0.044 | 7.423 | 10.111 | 0.05 | 0.08 | 0.00 | 0.00 | 0.43 | 0.00 |
| 218 | P5 | 3 | 26.80 | 0.023 | 31.12 | 0.0 | 7.31 | 13.60 | 0.00 | 2.71 | 0.72 | 1.03 | 4.45 | 0.00 | 0.00 | 19.0 | 0.0 | 0.16 | 3.3 | 0.044 | 0.044 | 7.414 | 10.174 | 0.05 | 0.08 | 0.00 | 0.00 | 0.44 | 0.00 |
| 219 | P5 | 3 | 26.70 | 0.024 | 31.19 | 0.0 | 7.32 | 13.45 | 0.00 | 2.69 | 0.70 | 1.02 | 4.41 | 0.00 | 0.00 | 20.1 | 0.0 | 0.16 | 3.3 | 0.045 | 0.045 | 7.405 | 10.235 | 0.05 | 0.08 | 0.00 | 0.00 | 0.44 | 0.00 |
| WASTELOAD # 220 (Grp3-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | P5 | 3 | 26.60 | 0.024 | 31.26 | 0.0 | 7.27 | 14.18 | 0.00 | 2.72 | 0.82 | 1.01 | 4.56 | 0.00 | 0.00 | 21.2 | 0.0 | 0.16 | 3.3 | 0.046 | 0.046 | 7.397 | 10.334 | 0.05 | 0.08 | 0.00 | 0.00 | 0.44 | 0.00 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | P5 | 3 | 26.50 | 0.025 | 31.34 | 0.0 | 7.28 | 14.02 | 0.00 | 2.71 | 0.80 | 1.00 | 4.51 | 0.00 | 0.00 | 22.3 | 0.0 | 0.16 | 3.3 | 0.047 | 0.047 | 7.388 | 10.395 | 0.05 | 0.08 | 0.00 | 0.00 | 0.44 | 0.00 |
| 222 | P5 | 3 | 26.40 | 0.025 | 31.41 | 0.0 | 7.29 | 13.88 | 0.00 | 2.69 | 0.79 | 0.99 | 4.47 | 0.00 | 0.00 | 23.4 | 0.0 | 0.16 | 3.3 | 0.047 | 0.047 | 7.379 | 10.458 | 0.05 | 0.08 | 0.00 | 0.00 | 0.45 | 0.00 |
| 223 | P5 | 3 | 26.30 | 0.025 | 31.48 | 0.0 | 7.30 | 13.73 | 0.00 | 2.68 | 0.77 | 0.98 | 4.42 | 0.00 | 0.00 | 24.5 | 0.0 | 0.16 | 3.3 | 0.048 | 0.048 | 7.370 | 10.520 | 0.05 | 0.08 | 0.00 | 0.00 | 0.45 | 0.00 |
| 224 | P5 | 3 | 26.20 | 0.026 | 31.55 | 0.0 | 7.31 | 13.59 | 0.00 | 2.67 | 0.75 | 0.96 | 4.38 | 0.00 | 0.00 | 25.6 | 0.0 | 0.16 | 3.3 | 0.049 | 0.049 | 7.361 | 10.583 | 0.05 | 0.08 | 0.00 | 0.00 | 0.45 | 0.00 |
| 225 | P5 | 3 | 26.10 | 0.026 | 31.62 | 0.0 | 7.31 | 13.46 | 0.00 | 2.65 | 0.73 | 0.95 | 4.34 | 0.00 | 0.00 | 26.7 | 0.0 | 0.16 | 3.3 | 0.049 | 0.049 | 7.352 | 10.645 | 0.05 | 0.08 | 0.00 | 0.00 | 0.45 | 0.00 |
| 226 | P5 | 3 | 26.00 | 0.027 | 31.69 | 0.0 | 7.32 | 13.33 | 0.00 | 2.64 | 0.72 | 0.94 | 4.30 | 0.00 | 0.00 | 27.8 | 0.0 | 0.16 | 3.3 | 0.050 | 0.050 | 7.343 | 10.708 | 0.05 | 0.08 | 0.00 | 0.00 | 0.46 | 0.00 |
| 227 | P5 | 3 | 25.90 | 0.027 | 31.76 | 0.0 | 7.32 | 13.20 | 0.00 | 2.63 | 0.70 | 0.93 | 4.26 | 0.00 | 0.00 | 28.9 | 0.0 | 0.16 | 3.3 | 0.051 | 0.051 | 7.334 | 10.770 | 0.05 | 0.08 | 0.00 | 0.00 | 0.46 | 0.00 |
| WASTELOAD # 228 (LAG532004) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 228 | P5 | 3 | 25.80 | 0.027 | 31.83 | 0.0 | 7.32 | 13.18 | 0.00 | 2.62 | 0.70 | 0.92 | 4.24 | 0.00 | 0.00 | 30.0 | 0.0 | 0.16 | 3.3 | 0.051 | 0.051 | 7.326 | 10.836 | 0.05 | 0.08 | 0.00 | 0.00 | 0.46 | 0.00 |
| 229 | P5 | 3 | 25.70 | 0.028 | 31.90 | 0.0 | 7.33 | 13.06 | 0.00 | 2.61 | 0.69 | 0.91 | 4.21 | 0.00 | 0.00 | 31.1 | 0.0 | 0.16 | 3.3 | 0.052 | 0.052 | 7.317 | 10.899 | 0.05 | 0.08 | 0.00 | 0.00 | 0.46 | 0.00 |
| 230 | P5 | 3 | 25.60 | 0.028 | 31.97 | 0.0 | 7.33 | 12.94 | 0.00 | 2.60 | 0.67 | 0.90 | 4.17 | 0.00 | 0.00 | 32.1 | 0.0 | 0.16 | 3.3 | 0.052 | 0.052 | 7.308 | 10.962 | 0.05 | 0.08 | 0.00 | 0.00 | 0.47 | 0.00 |
| 231 | P5 | 3 | 25.50 | 0.029 | 32.04 | 0.0 | 7.34 | 12.83 | 0.00 | 2.59 | 0.66 | 0.88 | 4.13 | 0.00 | 0.00 | 33.2 | 0.0 | 0.16 | 3.3 | 0.053 | 0.053 | 7.300 | 11.023 | 0.05 | 0.08 | 0.00 | 0.00 | 0.47 | 0.00 |
| 232 | P5 | 3 | 25.40 | 0.029 | 32.11 | 0.0 | 7.34 | 12.72 | 0.00 | 2.58 | 0.65 | 0.87 | 4.10 | 0.00 | 0.00 | 34.3 | 0.0 | 0.16 | 3.3 | 0.054 | 0.054 | 7.291 | 11.087 | 0.05 | 0.08 | 0.00 | 0.00 | 0.47 | 0.00 |
| 233 | P5 | 3 | 25.30 | 0.029 | 32.18 | 0.0 | 7.34 | 12.61 | 0.00 | 2.57 | 0.63 | 0.86 | 4.07 | 0.00 | 0.00 | 35.4 | 0.0 | 0.16 | 3.3 | 0.054 | 0.054 | 7.283 | 11.150 | 0.05 | 0.08 | 0.00 | 0.00 | 0.48 | 0.00 |
| 234 | P5 | 3 | 25.20 | 0.030 | 32.25 | 0.0 | 7.35 | 12.51 | 0.00 | 2.56 | 0.62 | 0.85 | 4.03 | 0.00 | 0.00 | 36.5 | 0.0 | 0.16 | 3.3 | 0.055 | 0.055 | 7.274 | 11.212 | 0.05 | 0.08 | 0.00 | 0.00 | 0.48 | 0.00 |
| 235 | P5 | 3 | 25.10 | 0.030 | 32.32 | 0.0 | 7.35 | 12.41 | 0.00 | 2.55 | 0.61 | 0.84 | 4.00 | 0.00 | 0.00 | 37.6 | 0.0 | 0.16 | 3.3 | 0.056 | 0.056 | 7.265 | 11.276 | 0.05 | 0.08 | 0.00 | 0.00 | 0.48 | 0.00 |
| | WASTELOAD # 236 (Grp4-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 236 | P5 | 3 | 25.00 | 0.033 | 32.39 | 0.0 | 7.15 | 15.37 | 0.00 | 2.64 | 1.13 | 0.92 | 4.69 | 0.00 | 0.00 | 38.7 | 0.0 | 0.16 | 3.3 | 0.060 | 0.060 | 7.257 | 11.655 | 0.05 | 0.08 | 0.00 | 0.00 | 0.48 | 0.00 |
| 237 | P5 | 3 | 24.90 | 0.033 | 32.46 | 0.0 | 7.17 | 15.24 | 0.00 | 2.63 | 1.10 | 0.92 | 4.65 | 0.00 | 0.00 | 39.8 | 0.0 | 0.16 | 3.3 | 0.061 | 0.061 | 7.248 | 11.717 | 0.05 | 0.08 | 0.00 | 0.00 | 0.49 | 0.00 |
| 238 | P5 | 3 | 24.80 | 0.034 | 32.53 | 0.0 | 7.19 | 15.11 | 0.00 | 2.62 | 1.08 | 0.91 | 4.61 | 0.00 | 0.00 | 40.9 | 0.0 | 0.16 | 3.3 | 0.061 | 0.061 | 7.240 | 11.780 | 0.05 | 0.08 | 0.00 | 0.00 | 0.49 | 0.00 |
| | DIVERSION # 239 (YWRC) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 239 | P5 | 3 | 24.70 | -0.020 | 32.60 | 0.0 | 7.49 | 12.66 | 0.00 | 2.33 | 0.73 | 0.68 | 3.73 | 0.00 | 0.00 | 42.0 | 0.0 | 0.15 | 3.3 | -0.038 | 0.038 | 7.231 | 9.957 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.00 |
| 240 | P4 | 4 | 24.60 | -0.019 | 32.53 | 0.0 | 8.06 | 8.65 | 0.00 | 1.84 | 0.14 | 0.29 | 2.27 | 0.00 | 0.00 | 41.0 | 0.0 | 0.41 | 3.1 | -0.015 | 0.015 | 7.239 | 2.698 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 0.00 |
| 241 | P4 | 4 | 24.50 | -0.019 | 32.47 | 0.0 | 8.04 | 8.72 | 0.00 | 1.84 | 0.15 | 0.31 | 2.30 | 0.00 | 0.00 | 40.0 | 0.0 | 0.41 | 3.1 | -0.015 | 0.015 | 7.247 | 2.691 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 0.00 |
| 242 | P4 | 4 | 24.40 | -0.019 | 32.40 | 0.0 | 8.01 | 8.81 | 0.00 | 1.85 | 0.15 | 0.32 | 2.32 | 0.00 | 0.00 | 39.0 | 0.0 | 0.41 | 3.1 | -0.015 | 0.015 | 7.255 | 2.684 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 0.00 |
| 243 | P4 | 4 | 24.30 | -0.018 | 32.34 | 0.0 | 7.98 | 8.89 | 0.00 | 1.85 | 0.16 | 0.34 | 2.34 | 0.00 | 0.00 | 38.0 | 0.0 | 0.41 | 3.1 | -0.015 | 0.015 | 7.263 | 2.677 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 0.00 |
| 244 | P4 | 4 | 24.20 | -0.018 | 32.27 | 0.0 | 7.95 | 8.99 | 0.00 | 1.85 | 0.16 | 0.36 | 2.37 | 0.00 | 0.00 | 37.0 | 0.0 | 0.41 | 3.1 | -0.014 | 0.014 | 7.271 | 2.670 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 0.00 |
| 245 | P4 | 4 | 24.10 | -0.018 | 32.21 | 0.0 | 7.92 | 9.08 | 0.00 | 1.85 | 0.17 | 0.38 | 2.40 | 0.00 | 0.00 | 36.0 | 0.0 | 0.41 | 3.1 | -0.014 | 0.014 | 7.279 | 2.663 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 0.00 |
| 246 | P4 | 4 | 24.00 | -0.017 | 32.15 | 0.0 | 7.90 | 9.18 | 0.00 | 1.85 | 0.17 | 0.39 | 2.42 | 0.00 | 0.00 | 35.0 | 0.0 | 0.41 | 3.1 | -0.014 | 0.014 | 7.287 | 2.656 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 0.00 |
| 247 | P4 | 4 | 23.90 | -0.017 | 32.08 | 0.0 | 7.87 | 9.29 | 0.00 | 1.86 | 0.18 | 0.41 | 2.45 | 0.00 | 0.00 | 34.0 | 0.0 | 0.40 | 3.1 | -0.014 | 0.014 | 7.295 | 2.649 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 0.00 |
| 248 | P4 | 4 | 23.80 | -0.017 | 32.01 | 0.0 | 7.84 | 9.40 | 0.00 | 1.86 | 0.19 | 0.43 | 2.48 | 0.00 | 0.00 | 33.1 | 0.0 | 0.40 | 3.1 | -0.013 | 0.013 | 7.303 | 2.642 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 0.00 |
| 249 | P4 | 4 | 23.70 | -0.016 | 31.95 | 0.0 | 7.81 | 9.52 | 0.00 | 1.86 | 0.19 | 0.45 | 2.51 | 0.00 | 0.00 | 32.1 | 0.0 | 0.40 | 3.1 | -0.013 | 0.013 | 7.311 | 2.636 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 0.00 |
| 250 | P4 | 4 | 23.60 | -0.016 | 31.88 | 0.0 | 7.77 | 9.64 | 0.00 | 1.86 | 0.20 | 0.47 | 2.54 | 0.00 | 0.00 | 31.1 | 0.0 | 0.40 | 3.1 | -0.013 | 0.013 | 7.319 | 2.629 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 0.00 |
| 251 | P4 | 4 | 23.50 | -0.016 | 31.82 | 0.0 | 7.74 | 9.77 | 0.00 | 1.87 | 0.21 | 0.49 | 2.57 | 0.00 | 0.00 | 30.1 | 0.0 | 0.40 | 3.1 | -0.013 | 0.013 | 7.327 | 2.623 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 0.00 |
| 252 | P4 | 4 | 23.40 | -0.015 | 31.75 | 0.0 | 7.71 | 9.91 | 0.00 | 1.87 | 0.22 | 0.51 | 2.60 | 0.00 | 0.00 | 29.1 | 0.0 | 0.40 | 3.1 | -0.012 | 0.012 | 7.335 | 2.616 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 0.00 |
| 253 | P4 | 4 | 23.30 | -0.015 | 31.69 | 0.0 | 7.68 | 10.06 | 0.00 | 1.87 | 0.23 | 0.54 | 2.64 | 0.00 | 0.00 | 28.1 | 0.0 | 0.40 | 3.1 | -0.012 | 0.012 | 7.343 | 2.610 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 0.00 |
| 254 | P4 | 4 | 23.20 | -0.014 | 31.62 | 0.0 | 7.64 | 10.21 | 0.00 | 1.87 | 0.24 | 0.56 | 2.67 | 0.00 | 0.00 | 27.1 | 0.0 | 0.40 | 3.1 | -0.012 | 0.012 | 7.351 | 2.604 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 255 | P4 | 4 | 23.10 | -0.014 | 31.56 | 0.0 | 7.61 | 10.38 | 0.00 | 1.88 | 0.25 | 0.58 | 2.71 | 0.00 | 0.00 | 26.1 | 0.0 | 0.39 | 3.1 | -0.012 | 0.012 | 7.359 | 2.598 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 256 | P4 | 4 | 23.00 | -0.014 | 31.49 | 0.0 | 7.57 | 10.55 | 0.00 | 1.88 | 0.26 | 0.60 | 2.75 | 0.00 | 0.00 | 25.1 | 0.0 | 0.39 | 3.1 | -0.011 | 0.011 | 7.367 | 2.592 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 257 | P4 | 4 | 22.90 | -0.013 | 31.43 | 0.0 | 7.54 | 10.74 | 0.00 | 1.88 | 0.28 | 0.63 | 2.79 | 0.00 | 0.00 | 24.1 | 0.0 | 0.39 | 3.1 | -0.011 | 0.011 | 7.376 | 2.587 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 258 | P4 | 4 | 22.80 | -0.013 | 31.36 | 0.0 | 7.50 | 10.93 | 0.00 | 1.89 | 0.29 | 0.65 | 2.83 | 0.00 | 0.00 | 23.1 | 0.0 | 0.39 | 3.1 | -0.011 | 0.011 | 7.384 | 2.581 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 259 | P4 | 4 | 22.70 | -0.013 | 31.30 | 0.0 | 7.46 | 11.15 | 0.00 | 1.89 | 0.31 | 0.68 | 2.88 | 0.00 | 0.00 | 22.1 | 0.0 | 0.39 | 3.1 | -0.011 | 0.011 | 7.392 | 2.576 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 0.00 |
| 260 | P4 | 4 | 22.60 | -0.012 | 31.23 | 0.0 | 7.42 | 11.37 | 0.00 | 1.89 | 0.33 | 0.70 | 2.92 | 0.00 | 0.00 | 21.1 | 0.0 | 0.39 | 3.1 | -0.010 | 0.010 | 7.400 | 2.570 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 0.00 |
| 261 | P4 | 4 | 22.50 | -0.012 | 31.17 | 0.0 | 7.38 | 11.61 | 0.00 | 1.90 | 0.35 | 0.73 | 2.97 | 0.00 | 0.00 | 20.1 | 0.0 | 0.39 | 3.1 | -0.010 | 0.010 | 7.408 | 2.565 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 0.00 |
| 262 | P4 | 4 | 22.40 | -0.012 | 31.10 | 0.0 | 7.33 | 11.87 | 0.00 | 1.90 | 0.37 | 0.75 | 3.02 | 0.00 | 0.00 | 19.1 | 0.0 | 0.39 | 3.1 | -0.010 | 0.010 | 7.416 | 2.561 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 0.00 |
| 263 | P4 | 4 | 22.30 | -0.011 | 31.04 | 0.0 | 7.28 | 12.14 | 0.00 | 1.90 | 0.39 | 0.78 | 3.08 | 0.00 | 0.00 | 18.2 | 0.0 | 0.38 | 3.1 | -0.010 | 0.010 | 7.425 | 2.556 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 264 | P4 | 4 | 22.20 | -0.011 | 30.97 | 0.0 | 7.24 | 12.44 | 0.00 | 1.91 | 0.42 | 0.81 | 3.14 | 0.00 | 0.00 | 17.2 | 0.0 | 0.38 | 3.1 | -0.009 | 0.009 | 7.433 | 2.552 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 265 | P4 | 4 | 22.10 | -0.011 | 30.91 | 0.0 | 7.18 | 12.76 | 0.00 | 1.91 | 0.45 | 0.84 | 3.20 | 0.00 | 0.00 | 16.2 | 0.0 | 0.38 | 3.1 | -0.009 | 0.009 | 7.441 | 2.547 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 266 | P4 | 4 | 22.00 | -0.010 | 30.84 | 0.0 | 7.13 | 13.11 | 0.00 | 1.92 | 0.48 | 0.86 | 3.27 | 0.00 | 0.00 | 15.2 | 0.0 | 0.38 | 3.1 | -0.009 | 0.009 | 7.450 | 2.543 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 267 | P4 | 4 | 21.90 | -0.010 | 30.78 | 0.0 | 7.07 | 13.48 | 0.00 | 1.93 | 0.52 | 0.89 | 3.34 | 0.00 | 0.00 | 14.2 | 0.0 | 0.38 | 3.1 | -0.009 | 0.009 | 7.458 | 2.540 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 268 | P4 | 4 | 21.80 | -0.010 | 30.72 | 0.0 | 7.00 | 13.89 | 0.00 | 1.93 | 0.56 | 0.92 | 3.41 | 0.00 | 0.00 | 13.2 | 0.0 | 0.38 | 3.1 | -0.008 | 0.008 | 7.466 | 2.536 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 0.00 |
| 269 | P4 | 4 | 21.70 | -0.009 | 30.65 | 0.0 | 6.94 | 14.33 | 0.00 | 1.94 | 0.61 | 0.95 | 3.50 | 0.00 | 0.00 | 12.2 | 0.0 | 0.37 | 3.1 | -0.008 | 0.008 | 7.474 | 2.533 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 0.00 |
| 270 | P4 | 4 | 21.60 | -0.009 | 30.58 | 0.0 | 6.86 | 14.81 | 0.00 | 1.94 | 0.67 | 0.97 | 3.58 | 0.00 | 0.00 | 11.2 | 0.0 | 0.37 | 3.1 | -0.008 | 0.008 | 7.482 | 2.531 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 0.00 |
| 271 | P4 | 4 | 21.50 | -0.008 | 30.52 | 0.0 | 6.78 | 15.33 | 0.00 | 1.95 | 0.73 | 1.00 | 3.68 | 0.00 | 0.00 | 10.2 | 0.0 | 0.37 | 3.1 | -0.007 | 0.007 | 7.491 | 2.528 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 0.00 |
| 272 | P4 | 4 | 21.40 | -0.008 | 30.45 | 0.0 | 6.68 | 15.91 | 0.00 | 1.96 | 0.79 | 1.02 | 3.78 | 0.00 | 0.00 | 9.2 | 0.0 | 0.37 | 3.1 | -0.007 | 0.007 | 7.500 | 2.527 | 0.05 | 0.03 | 0.00 | 0.00 | 0.41 | 0.00 |
| 273 | P4 | 4 | 21.30 | -0.008 | 30.39 | 0.0 | 6.58 | 16.54 | 0.00 | 1.97 | 0.87 | 1.05 | 3.89 | 0.00 | 0.00 | 8.2 | 0.0 | 0.37 | 3.1 | -0.007 | 0.007 | 7.508 | 2.525 | 0.05 | 0.03 | 0.00 | 0.00 | 0.41 | 0.00 |
| 274 | P4 | 4 | 21.20 | -0.007 | 30.33 | 0.0 | 6.46 | 17.24 | 0.00 | 1.98 | 0.97 | 1.07 | 4.01 | 0.00 | 0.00 | 7.2 | 0.0 | 0.36 | 3.1 | -0.007 | 0.007 | 7.516 | 2.524 | 0.05 | 0.04 | 0.00 | 0.00 | 0.41 | 0.00 |
| 275 | P4 | 4 | 21.10 | -0.007 | 30.26 | 0.0 | 6.32 | 18.01 | 0.00 | 1.99 | 1.07 | 1.08 | 4.14 | 0.00 | 0.00 | 6.2 | 0.0 | 0.36 | 3.1 | -0.006 | 0.006 | 7.524 | 2.524 | 0.05 | 0.04 | 0.00 | 0.00 | 0.41 | 0.00 |
| 276 | P4 | 4 | 21.00 | -0.007 | 30.19 | 0.0 | 6.15 | 18.88 | 0.00 | 2.00 | 1.20 | 1.09 | 4.28 | 0.00 | 0.00 | 5.2 | 0.0 | 0.36 | 3.1 | -0.006 | 0.006 | 7.533 | 2.524 | 0.05 | 0.04 | 0.00 | 0.00 | 0.41 | 0.00 |
| | WASTELOAD # 277 (Grp5-Rch4) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 277 | P4 | 4 | 20.90 | -0.006 | 30.13 | 0.0 | 5.94 | 19.84 | 0.00 | 2.01 | 1.34 | 1.09 | 4.44 | 0.00 | 0.00 | 4.2 | 0.0 | 0.35 | 3.1 | -0.005 | 0.005 | 7.542 | 2.538 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 278 | P4 | 4 | 20.80 | -0.005 | 30.07 | 0.0 | 6.14 | 14.41 | 0.00 | 1.62 | 0.35 | 0.95 | 2.91 | 0.00 | 0.00 | 3.2 | 0.0 | 0.35 | 3.1 | -0.005 | 0.005 | 7.550 | 2.542 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 279 | P4 | 4 | 20.70 | -0.005 | 30.00 | 0.0 | 5.50 | 15.23 | 0.00 | 1.61 | 0.40 | 1.01 | 3.02 | 0.00 | 0.00 | 2.2 | 0.0 | 0.34 | 3.1 | -0.005 | 0.005 | 7.559 | 2.547 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| | TRIBUTARY # 280 (East Pont.) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 389 | P3 | 6 | 20.60 | 0.018 | 30.04 | 0.0 | 4.38 | 16.19 | 0.00 | 1.59 | 0.45 | 1.09 | 3.13 | 0.00 | 0.00 | 2.5 | 0.0 | 0.10 | 3.2 | 0.054 | 0.054 | 7.553 | 12.037 | 0.05 | 0.12 | 0.00 | 0.00 | 0.40 | 0.56 |
| 390 | P3 | 6 | 20.50 | 0.023 | 30.08 | 0.0 | 5.29 | 19.23 | 0.00 | 1.46 | 0.41 | 0.93 | 2.80 | 0.00 | 0.00 | 2.7 | 0.0 | 0.10 | 3.2 | 0.068 | 0.068 | 7.548 | 12.045 | 0.05 | 0.12 | 0.00 | 0.00 | 0.40 | 0.57 |
| 391 | P3 | 6 | 20.40 | 0.028 | 30.12 | 0.0 | 5.78 | 21.15 | 0.00 | 1.38 | 0.39 | 0.82 | 2.59 | 0.00 | 0.00 | 2.9 | 0.0 | 0.11 | 3.2 | 0.081 | 0.081 | 7.543 | 12.054 | 0.05 | 0.12 | 0.00 | 0.00 | 0.40 | 0.57 |
| 392 | P3 | 6 | 20.30 | 0.033 | 30.16 | 0.0 | 6.08 | 22.47 | 0.00 | 1.32 | 0.37 | 0.75 | 2.44 | 0.00 | 0.00 | 3.1 | 0.0 | 0.11 | 3.2 | 0.094 | 0.094 | 7.538 | 12.062 | 0.05 | 0.12 | 0.00 | 0.00 | 0.40 | 0.57 |
| | WASTELOAD # 393 (LAG541365) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 393 | P3 | 6 | 20.20 | 0.038 | 30.20 | 0.0 | 6.24 | 23.89 | 0.00 | 1.31 | 0.46 | 0.72 | 2.49 | 0.00 | 0.00 | 3.3 | 0.0 | 0.11 | 3.2 | 0.107 | 0.107 | 7.532 | 12.071 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.57 |
| 394 | P3 | 6 | 20.10 | 0.044 | 30.24 | 0.0 | 6.38 | 24.57 | 0.00 | 1.28 | 0.44 | 0.68 | 2.39 | 0.00 | 0.00 | 3.5 | 0.0 | 0.11 | 3.2 | 0.119 | 0.119 | 7.528 | 12.078 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.57 |
| 395 | P3 | 6 | 20.00 | 0.049 | 30.28 | 0.0 | 6.48 | 25.10 | 0.00 | 1.25 | 0.42 | 0.64 | 2.31 | 0.00 | 0.00 | 3.7 | 0.0 | 0.12 | 3.2 | 0.132 | 0.132 | 7.522 | 12.086 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.57 |
| 396 | P3 | 6 | 19.90 | 0.054 | 30.32 | 0.0 | 6.56 | 25.53 | 0.00 | 1.22 | 0.41 | 0.62 | 2.25 | 0.00 | 0.00 | 3.9 | 0.0 | 0.12 | 3.2 | 0.143 | 0.143 | 7.517 | 12.096 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.57 |
| 397 | P3 | 6 | 19.80 | 0.059 | 30.36 | 0.0 | 6.61 | 25.89 | 0.00 | 1.20 | 0.39 | 0.60 | 2.20 | 0.00 | 0.00 | 4.1 | 0.0 | 0.12 | 3.2 | 0.155 | 0.155 | 7.512 | 12.104 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.58 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398 | P3 | 6 | 19.70 | 0.064 | 30.40 | 0.0 | 6.66 | 26.19 | 0.00 | 1.19 | 0.39 | 0.58 | 2.15 | 0.00 | 0.00 | 4.3 | 0.0 | 0.12 | 3.2 | 0.167 | 0.167 | 7.507 | 12.111 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.58 |
| 399 | P3 | 6 | 19.60 | 0.069 | 30.44 | 0.0 | 6.70 | 26.44 | 0.00 | 1.17 | 0.38 | 0.56 | 2.12 | 0.00 | 0.00 | 4.5 | 0.0 | 0.12 | 3.2 | 0.179 | 0.179 | 7.502 | 12.120 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.58 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 400 | P3 | 6 | 19.50 | 0.074 | 30.48 | 0.0 | 6.72 | 26.66 | 0.00 | 1.16 | 0.37 | 0.55 | 2.08 | 0.00 | 0.00 | 4.7 | 0.0 | 0.12 | 3.2 | 0.190 | 0.190 | 7.497 | 12.128 | 0.05 | 0.11 | 0.00 | 0.00 | 0.42 | 0.58 |
| 401 | P3 | 6 | 19.40 | 0.079 | 30.52 | 0.0 | 6.75 | 26.85 | 0.00 | 1.15 | 0.36 | 0.54 | 2.06 | 0.00 | 0.00 | 4.9 | 0.0 | 0.12 | 3.2 | 0.201 | 0.201 | 7.491 | 12.137 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.58 |
| 402 | P3 | 6 | 19.30 | 0.084 | 30.56 | 0.0 | 6.77 | 27.01 | 0.00 | 1.14 | 0.36 | 0.53 | 2.03 | 0.00 | 0.00 | 5.1 | 0.0 | 0.12 | 3.2 | 0.213 | 0.213 | 7.486 | 12.145 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.58 |
| 403 | P3 | 6 | 19.20 | 0.089 | 30.60 | 0.0 | 6.78 | 27.16 | 0.00 | 1.13 | 0.35 | 0.52 | 2.01 | 0.00 | 0.00 | 5.3 | 0.0 | 0.12 | 3.2 | 0.224 | 0.224 | 7.481 | 12.153 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.58 |
| 404 | P3 | 6 | 19.10 | 0.095 | 30.64 | 0.0 | 6.80 | 27.29 | 0.00 | 1.13 | 0.35 | 0.51 | 1.99 | 0.00 | 0.00 | 5.5 | 0.0 | 0.13 | 3.2 | 0.235 | 0.235 | 7.476 | 12.161 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.59 |
| 405 | P3 | 6 | 19.00 | 0.100 | 30.68 | 0.0 | 6.81 | 27.41 | 0.00 | 1.12 | 0.35 | 0.51 | 1.97 | 0.00 | 0.00 | 5.7 | 0.0 | 0.13 | 3.2 | 0.246 | 0.246 | 7.471 | 12.170 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.59 |
| 406 | P3 | 6 | 18.90 | 0.105 | 30.72 | 0.0 | 6.82 | 27.52 | 0.00 | 1.11 | 0.34 | 0.50 | 1.96 | 0.00 | 0.00 | 5.9 | 0.0 | 0.13 | 3.2 | 0.257 | 0.257 | 7.466 | 12.178 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.59 |
| 407 | P3 | 6 | 18.80 | 0.110 | 30.76 | 0.0 | 6.83 | 27.61 | 0.00 | 1.11 | 0.34 | 0.49 | 1.94 | 0.00 | 0.00 | 6.1 | 0.0 | 0.13 | 3.2 | 0.268 | 0.268 | 7.461 | 12.185 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.59 |
| 408 | P3 | 6 | 18.70 | 0.115 | 30.80 | 0.0 | 6.84 | 27.70 | 0.00 | 1.10 | 0.34 | 0.49 | 1.93 | 0.00 | 0.00 | 6.3 | 0.0 | 0.13 | 3.2 | 0.279 | 0.279 | 7.456 | 12.194 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.59 |
| 409 | P3 | 6 | 18.60 | 0.120 | 30.84 | 0.0 | 6.84 | 27.78 | 0.00 | 1.10 | 0.33 | 0.48 | 1.92 | 0.00 | 0.00 | 6.5 | 0.0 | 0.13 | 3.2 | 0.289 | 0.289 | 7.451 | 12.202 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.59 |
| 410 | P3 | 6 | 18.50 | 0.125 | 30.88 | 0.0 | 6.85 | 27.86 | 0.00 | 1.10 | 0.33 | 0.48 | 1.91 | 0.00 | 0.00 | 6.7 | 0.0 | 0.13 | 3.2 | 0.300 | 0.300 | 7.446 | 12.211 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.60 |
| 411 | P3 | 6 | 18.40 | 0.130 | 30.92 | 0.0 | 6.85 | 27.92 | 0.00 | 1.09 | 0.33 | 0.47 | 1.90 | 0.00 | 0.00 | 6.9 | 0.0 | 0.13 | 3.2 | 0.311 | 0.311 | 7.441 | 12.219 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.60 |
| 412 | P3 | 6 | 18.30 | 0.135 | 30.96 | 0.0 | 6.86 | 27.99 | 0.00 | 1.09 | 0.33 | 0.47 | 1.89 | 0.00 | 0.00 | 7.1 | 0.0 | 0.13 | 3.2 | 0.321 | 0.321 | 7.436 | 12.227 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.60 |
| 413 | P3 | 6 | 18.20 | 0.140 | 30.99 | 0.0 | 6.86 | 28.04 | 0.00 | 1.08 | 0.33 | 0.47 | 1.88 | 0.00 | 0.00 | 7.3 | 0.0 | 0.13 | 3.2 | 0.332 | 0.332 | 7.430 | 12.237 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.60 |
| 414 | P3 | 6 | 18.10 | 0.146 | 31.03 | 0.0 | 6.86 | 28.10 | 0.00 | 1.08 | 0.32 | 0.46 | 1.87 | 0.00 | 0.00 | 7.5 | 0.0 | 0.13 | 3.2 | 0.342 | 0.342 | 7.426 | 12.244 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.60 |
| 415 | P3 | 6 | 18.00 | 0.151 | 31.07 | 0.0 | 6.86 | 28.15 | 0.00 | 1.08 | 0.32 | 0.46 | 1.86 | 0.00 | 0.00 | 7.7 | 0.0 | 0.13 | 3.2 | 0.353 | 0.353 | 7.420 | 12.253 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.60 |
| 416 | P3 | 6 | 17.90 | 0.156 | 31.11 | 0.0 | 6.87 | 28.19 | 0.00 | 1.08 | 0.32 | 0.46 | 1.86 | 0.00 | 0.00 | 7.9 | 0.0 | 0.13 | 3.2 | 0.363 | 0.363 | 7.415 | 12.262 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.60 |
| 417 | P3 | 6 | 17.80 | 0.161 | 31.15 | 0.0 | 6.87 | 28.24 | 0.00 | 1.07 | 0.32 | 0.46 | 1.85 | 0.00 | 0.00 | 8.1 | 0.0 | 0.13 | 3.2 | 0.373 | 0.373 | 7.410 | 12.270 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.61 |
| 418 | P3 | 6 | 17.70 | 0.166 | 31.19 | 0.0 | 6.87 | 28.28 | 0.00 | 1.07 | 0.32 | 0.45 | 1.84 | 0.00 | 0.00 | 8.3 | 0.0 | 0.14 | 3.2 | 0.384 | 0.384 | 7.406 | 12.277 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.61 |
| 419 | P3 | 6 | 17.60 | 0.171 | 31.23 | 0.0 | 6.87 | 28.32 | 0.00 | 1.07 | 0.32 | 0.45 | 1.84 | 0.00 | 0.00 | 8.5 | 0.0 | 0.14 | 3.2 | 0.394 | 0.394 | 7.400 | 12.286 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.61 |
| 420 | P3 | 6 | 17.50 | 0.176 | 31.27 | 0.0 | 6.87 | 28.35 | 0.00 | 1.07 | 0.32 | 0.45 | 1.83 | 0.00 | 0.00 | 8.7 | 0.0 | 0.14 | 3.2 | 0.404 | 0.404 | 7.395 | 12.295 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.61 |
| 421 | P3 | 6 | 17.40 | 0.181 | 31.31 | 0.0 | 6.87 | 28.39 | 0.00 | 1.07 | 0.32 | 0.45 | 1.83 | 0.00 | 0.00 | 8.9 | 0.0 | 0.14 | 3.2 | 0.414 | 0.414 | 7.390 | 12.303 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.61 |
| 422 | P3 | 6 | 17.30 | 0.186 | 31.35 | 0.0 | 6.87 | 28.42 | 0.00 | 1.06 | 0.31 | 0.44 | 1.82 | 0.00 | 0.00 | 9.1 | 0.0 | 0.14 | 3.2 | 0.425 | 0.425 | 7.385 | 12.312 | 0.05 | 0.10 | 0.00 | 0.00 | 0.45 | 0.61 |
| 423 | P3 | 6 | 17.20 | 0.191 | 31.39 | 0.0 | 6.88 | 28.45 | 0.00 | 1.06 | 0.31 | 0.44 | 1.82 | 0.00 | 0.00 | 9.3 | 0.0 | 0.14 | 3.2 | 0.435 | 0.435 | 7.380 | 12.320 | 0.05 | 0.10 | 0.00 | 0.00 | 0.45 | 0.61 |
| 424 | P3 | 6 | 17.10 | 0.197 | 31.43 | 0.0 | 6.88 | 28.48 | 0.00 | 1.06 | 0.31 | 0.44 | 1.81 | 0.00 | 0.00 | 9.5 | 0.0 | 0.14 | 3.2 | 0.445 | 0.445 | 7.375 | 12.328 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.62 |
| 425 | P3 | 6 | 17.00 | 0.202 | 31.47 | 0.0 | 6.88 | 28.51 | 0.00 | 1.06 | 0.31 | 0.44 | 1.81 | 0.00 | 0.00 | 9.7 | 0.0 | 0.14 | 3.2 | 0.455 | 0.455 | 7.370 | 12.336 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.62 |
| 426 | P3 | 6 | 16.90 | 0.207 | 31.51 | 0.0 | 6.88 | 28.53 | 0.00 | 1.06 | 0.31 | 0.44 | 1.81 | 0.00 | 0.00 | 9.9 | 0.0 | 0.14 | 3.2 | 0.465 | 0.465 | 7.366 | 12.344 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.62 |
| 427 | P3 | 6 | 16.80 | 0.212 | 31.55 | 0.0 | 6.88 | 28.56 | 0.00 | 1.06 | 0.31 | 0.44 | 1.80 | 0.00 | 0.00 | 10.1 | 0.0 | 0.14 | 3.2 | 0.475 | 0.475 | 7.361 | 12.352 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.62 |
| | WASTELOAD # 428 (Grp9-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 428 | P3 | 6 | 16.70 | 0.219 | 31.59 | 0.0 | 6.84 | 28.79 | 0.00 | 1.08 | 0.37 | 0.45 | 1.90 | 0.00 | 0.00 | 10.3 | 0.0 | 0.14 | 3.2 | 0.488 | 0.488 | 7.356 | 12.361 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.62 |
| 429 | P3 | 6 | 16.60 | 0.224 | 31.63 | 0.0 | 6.85 | 28.81 | 0.00 | 1.08 | 0.37 | 0.45 | 1.89 | 0.00 | 0.00 | 10.5 | 0.0 | 0.14 | 3.2 | 0.498 | 0.498 | 7.350 | 12.369 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.62 |
| 430 | P3 | 6 | 16.50 | 0.229 | 31.67 | 0.0 | 6.85 | 28.82 | 0.00 | 1.07 | 0.37 | 0.44 | 1.89 | 0.00 | 0.00 | 10.7 | 0.0 | 0.14 | 3.2 | 0.508 | 0.508 | 7.346 | 12.377 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.63 |
| 431 | P3 | 6 | 16.40 | 0.234 | 31.71 | 0.0 | 6.85 | 28.84 | 0.00 | 1.07 | 0.37 | 0.44 | 1.88 | 0.00 | 0.00 | 10.9 | 0.0 | 0.14 | 3.2 | 0.518 | 0.518 | 7.340 | 12.386 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.63 |
| 432 | P3 | 6 | 16.30 | 0.239 | 31.75 | 0.0 | 6.85 | 28.85 | 0.00 | 1.07 | 0.36 | 0.44 | 1.88 | 0.00 | 0.00 | 11.1 | 0.0 | 0.14 | 3.2 | 0.528 | 0.528 | 7.335 | 12.395 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.63 |
| 433 | P3 | 6 | 16.20 | 0.244 | 31.79 | 0.0 | 6.85 | 28.87 | 0.00 | 1.07 | 0.36 | 0.44 | 1.87 | 0.00 | 0.00 | 11.3 | 0.0 | 0.14 | 3.2 | 0.538 | 0.538 | 7.331 | 12.403 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.63 |
| 434 | P3 | 6 | 16.10 | 0.249 | 31.83 | 0.0 | 6.85 | 28.88 | 0.00 | 1.07 | 0.36 | 0.44 | 1.87 | 0.00 | 0.00 | 11.5 | 0.0 | 0.14 | 3.2 | 0.547 | 0.547 | 7.326 | 12.411 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.63 |
| 435 | P3 | 6 | 16.00 | 0.255 | 31.87 | 0.0 | 6.85 | 28.90 | 0.00 | 1.07 | 0.36 | 0.44 | 1.86 | 0.00 | 0.00 | 11.7 | 0.0 | 0.14 | 3.2 | 0.557 | 0.557 | 7.321 | 12.420 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.63 |
| 436 | P3 | 6 | 15.90 | 0.260 | 31.91 | 0.0 | 6.85 | 28.91 | 0.00 | 1.07 | 0.36 | 0.44 | 1.86 | 0.00 | 0.00 | 11.9 | 0.0 | 0.14 | 3.2 | 0.567 | 0.567 | 7.316 | 12.428 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.64 |
| 437 | P3 | 6 | 15.80 | 0.265 | 31.95 | 0.0 | 6.85 | 28.92 | 0.00 | 1.06 | 0.35 | 0.43 | 1.85 | 0.00 | 0.00 | 12.1 | 0.0 | 0.14 | 3.2 | 0.577 | 0.577 | 7.311 | 12.436 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.64 |
| 438 | P3 | 6 | 15.70 | 0.270 | 31.99 | 0.0 | 6.85 | 28.93 | 0.00 | 1.06 | 0.35 | 0.43 | 1.85 | 0.00 | 0.00 | 12.3 | 0.0 | 0.14 | 3.2 | 0.586 | 0.586 | 7.305 | 12.445 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.64 |
| 439 | P3 | 6 | 15.60 | 0.275 | 32.03 | 0.0 | 6.85 | 28.94 | 0.00 | 1.06 | 0.35 | 0.43 | 1.85 | 0.00 | 0.00 | 12.5 | 0.0 | 0.14 | 3.2 | 0.596 | 0.596 | 7.301 | 12.454 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.64 |
| 440 | P3 | 6 | 15.50 | 0.280 | 32.07 | 0.0 | 6.85 | 28.95 | 0.00 | 1.06 | 0.35 | 0.43 | 1.84 | 0.00 | 0.00 | 12.7 | 0.0 | 0.14 | 3.2 | 0.606 | 0.606 | 7.296 | 12.462 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.64 |
| 441 | P3 | 6 | 15.40 | 0.285 | 32.11 | 0.0 | 6.85 | 28.97 | 0.00 | 1.06 | 0.35 | 0.43 | 1.84 | 0.00 | 0.00 | 12.9 | 0.0 | 0.14 | 3.2 | 0.615 | 0.615 | 7.292 | 12.469 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.64 |
| 442 | P3 | 6 | 15.30 | 0.290 | 32.15 | 0.0 | 6.85 | 28.98 | 0.00 | 1.06 | 0.35 | 0.43 | 1.84 | 0.00 | 0.00 | 13.1 | 0.0 | 0.15 | 3.2 | 0.625 | 0.625 | 7.286 | 12.478 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.64 |
| 443 | P3 | 6 | 15.20 | 0.295 | 32.19 | 0.0 | 6.85 | 28.99 | 0.00 | 1.06 | 0.35 | 0.43 | 1.83 | 0.00 | 0.00 | 13.3 | 0.0 | 0.15 | 3.2 | 0.634 | 0.634 | 7.281 | 12.487 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.65 |
| 444 | P3 | 6 | 15.10 | 0.300 | 32.23 | 0.0 | 6.85 | 28.99 | 0.00 | 1.06 | 0.35 | 0.43 | 1.83 | 0.00 | 0.00 | 13.5 | 0.0 | 0.15 | 3.2 | 0.644 | 0.644 | 7.276 | 12.496 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.65 |
| 445 | P3 | 6 | 15.00 | 0.306 | 32.27 | 0.0 | 6.85 | 29.00 | 0.00 | 1.06 | 0.34 | 0.43 | 1.83 | 0.00 | 0.00 | 13.7 | 0.0 | 0.15 | 3.2 | 0.654 | 0.654 | 7.272 | 12.503 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.65 |
| 446 | P3 | 6 | 14.90 | 0.311 | 32.31 | 0.0 | 6.85 | 29.01 | 0.00 | 1.05 | 0.34 | 0.43 | 1.82 | 0.00 | 0.00 | 13.9 | 0.0 | 0.15 | 3.2 | 0.663 | 0.663 | 7.267 | 12.511 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.65 |
| 447 | P3 | 6 | 14.80 | 0.316 | 32.35 | 0.0 | 6.85 | 29.02 | 0.00 | 1.05 | 0.34 | 0.42 | 1.82 | 0.00 | 0.00 | 14.1 | 0.0 | 0.15 | 3.2 | 0.673 | 0.673 | 7.262 | 12.520 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.65 |
| 448 | P3 | 6 | 14.70 | 0.321 | 32.39 | 0.0 | 6.85 | 29.03 | 0.00 | 1.05 | 0.34 | 0.42 | 1.82 | 0.00 | 0.00 | 14.3 | 0.0 | 0.15 | 3.2 | 0.682 | 0.682 | 7.257 | 12.528 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.65 |
| 449 | P3 | 6 | 14.60 | 0.326 | 32.43 | 0.0 | 6.85 | 29.04 | 0.00 | 1.05 | 0.34 | 0.42 | 1.81 | 0.00 | 0.00 | 14.5 | 0.0 | 0.15 | 3.2 | 0.691 | 0.691 | 7.252 | 12.537 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.66 |
| 450 | P3 | 6 | 14.50 | 0.331 | 32.47 | 0.0 | 6.85 | 29.04 | 0.00 | 1.05 | 0.34 | 0.42 | 1.81 | 0.00 | 0.00 | 14.7 | 0.0 | 0.15 | 3.2 | 0.701 | 0.701 | 7.248 | 12.545 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.66 |
| 451 | P3 | 6 | 14.40 | 0.336 | 32.51 | 0.0 | 6.85 | 29.05 | 0.00 | 1.05 | 0.34 | 0.42 | 1.81 | 0.00 | 0.00 | 14.9 | 0.0 | 0.15 | 3.2 | 0.710 | 0.710 | 7.242 | 12.554 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.66 |
| | WASTELOAD # 452 (Grp10-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 452 | P3 | 6 | 14.30 | 0.343 | 32.55 | 0.0 | 6.83 | 29.19 | 0.00 | 1.06 | 0.38 | 0.43 | 1.87 | 0.00 | 0.00 | 15.1 | 0.0 | 0.15 | 3.2 | 0.723 | 0.723 | 7.238 | 12.562 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.66 |
| 453 | P3 | 6 | 14.20 | 0.348 | 32.59 | 0.0 | 6.83 | 29.19 | 0.00 | 1.06 | 0.37 | 0.43 | 1.87 | 0.00 | 0.00 | 15.3 | 0.0 | 0.15 | 3.2 | 0.732 | 0.732 | 7.233 | 12.571 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.66 |
| 454 | P3 | 6 | 14.10 | 0.353 | 32.63 | 0.0 | 6.83 | 29.20 | 0.00 | 1.06 | 0.37 | 0.43 | 1.86 | 0.00 | 0.00 | 15.6 | 0.0 | 0.15 | 3.2 | 0.742 | 0.742 | 7.228 | 12.578 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.66 |
| 455 | P3 | 6 | 14.00 | 0.358 | 32.67 | 0.0 | 6.83 | 29.20 | 0.00 | 1.06 | 0.37 | 0.43 | 1.86 | 0.00 | 0.00 | 15.8 | 0.0 | 0.15 | 3.2 | 0.751 | 0.751 | 7.223 | 12.587 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.67 |
| | WASTELOAD # 456 (Grp11-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 456 | P3 | 6 | 13.90 | 0.364 | 32.71 | 0.0 | 6.82 | 29.19 | 0.00 | 1.06 | 0.37 | 0.43 | 1.86 | 0.00 | 0.00 | 16.0 | 0.0 | 0.15 | 3.2 | 0.761 | 0.761 | 7.218 | 12.595 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.67 |
| 457 | P3 | 6 | 13.80 | 0.369 | 32.75 | 0.0 | 6.82 | 29.20 | 0.00 | 1.06 | 0.37 | 0.43 | 1.85 | 0.00 | 0.00 | 16.2 | 0.0 | 0.15 | 3.2 | 0.770 | 0.770 | 7.214 | 12.604 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.67 |
| 458 | P3 | 6 | 13.70 | 0.374 | 32.79 | 0.0 | 6.82 | 29.20 | 0.00 | 1.06 | 0.37 | 0.43 | 1.85 | 0.00 | 0.00 | 16.4 | 0.0 | 0.15 | 3.2 | 0.779 | 0.779 | 7.208 | 12.613 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.67 |
| 459 | P3 | 6 | 13.60 | 0.379 | 32.83 | 0.0 | 6.82 | 29.21 | 0.00 | 1.06 | 0.37 | 0.42 | 1.85 | 0.00 | 0.00 | 16.6 | 0.0 | 0.15 | 3.2 | 0.789 | 0.789 | 7.204 | 12.621 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.67 |
| 460 | P3 | 6 | 13.50 | 0.384 | 32.87 | 0.0 | 6.82 | 29.21 | 0.00 | 1.06 | 0.36 | 0.42 | 1.85 | 0.00 | 0.00 | 16.8 | 0.0 | 0.15 | 3.2 | 0.798 | 0.798 | 7.199 | 12.629 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.67 |
| 461 | P3 | 6 | 13.40 | 0.389 | 32.91 | 0.0 | 6.82 | 29.21 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 0.00 | 0.00 | 17.0 | 0.0 | 0.15 | 3.2 | 0.807 | 0.807 | 7.194 | 12.638 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.68 |
| 462 | P3 | 6 | 13.30 | 0.394 | 32.94 | 0.0 | 6.82 | 29.22 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 0.00 | 0.00 | 17.2 | 0.0 | 0.15 | 3.2 | 0.816 | 0.816 | 7.189 | 12.646 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.68 |
| 463 | P3 | 6 | 13.20 | 0.399 | 32.98 | 0.0 | 6.82 | 29.22 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 0.00 | 0.00 | 17.4 | 0.0 | 0.15 | 3.2 | 0.825 | 0.825 | 7.185 | 12.654 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.68 |
| 464 | P3 | 6 | 13.10 | 0.405 | 33.02 | 0.0 | 6.82 | 29.23 | 0.00 | 1.05 | 0.36 | 0.42 | 1.84 | 0.00 | 0.00 | 17.6 | 0.0 | 0.15 | 3.2 | 0.835 | 0.835 | 7.180 | 12.663 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.68 |
| 465 | P3 | 6 | 13.00 | 0.410 | 33.06 | 0.0 | 6.82 | 29.23 | 0.00 | 1.05 | 0.36 | 0.42 | 1.83 | 0.00 | 0.00 | 17.8 | 0.0 | 0.15 | 3.2 | 0.844 | 0.844 | 7.175 | 12.672 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.68 |
| 466 | P3 | 6 | 12.90 | 0.415 | 33.10 | 0.0 | 6.82 | 29.23 | 0.00 | 1.05 | 0.36 | 0.42 | 1.83 | 0.00 | 0.00 | 18.0 | 0.0 | 0.15 | 3.2 | 0.853 | 0.853 | 7.171 | 12.680 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.68 |
| 467 | P3 | 6 | 12.80 | 0.420 | 33.14 | 0.0 | 6.82 | 29.24 | 0.00 | 1.05 | 0.36 | 0.42 | 1.83 | 0.00 | 0.00 | 18.2 | 0.0 | 0.15 | 3.2 | 0.862 | 0.862 | 7.166 | 12.688 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.69 |
| 468 | P3 | 6 | 12.70 | 0.425 | 33.18 | 0.0 | 6.82 | 29.24 | 0.00 | 1.05 | 0.36 | 0.42 | 1.83 | 0.00 | 0.00 | 18.4 | 0.0 | 0.15 | 3.2 | 0.871 | 0.871 | 7.160 | 12.697 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.69 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 469 P3 | 6 | 12.60 | 0.430 | 33.22 | 0.0 | 6.81 | 29.24 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 0.00 | 0.00 | 18.6 | 0.0 | 0.15 | 3.2 | 0.880 | 0.880 | 7.156 | 12.705 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.69 |
| 470 P3 | 6 | 12.50 | 0.435 | 33.26 | 0.0 | 6.81 | 29.25 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 0.00 | 0.00 | 18.8 | 0.0 | 0.15 | 3.2 | 0.890 | 0.890 | 7.152 | 12.713 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.69 |
| 471 P3 | 6 | 12.40 | 0.440 | 33.30 | 0.0 | 6.81 | 29.25 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 0.00 | 0.00 | 19.0 | 0.0 | 0.15 | 3.2 | 0.899 | 0.899 | 7.146 | 12.722 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.69 |
| 472 P3 | 6 | 12.30 | 0.445 | 33.34 | 0.0 | 6.81 | 29.25 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 0.00 | 0.00 | 19.2 | 0.0 | 0.15 | 3.2 | 0.908 | 0.908 | 7.142 | 12.730 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.70 |
| 473 P3 | 6 | 12.20 | 0.450 | 33.38 | 0.0 | 6.81 | 29.25 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 0.00 | 0.00 | 19.4 | 0.0 | 0.15 | 3.2 | 0.917 | 0.917 | 7.137 | 12.739 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.70 |
| 474 P3 | 6 | 12.10 | 0.456 | 33.42 | 0.0 | 6.81 | 29.26 | 0.00 | 1.05 | 0.35 | 0.42 | 1.81 | 0.00 | 0.00 | 19.6 | 0.0 | 0.15 | 3.2 | 0.926 | 0.926 | 7.133 | 12.747 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.70 |
| 475 P3 | 6 | 12.00 | 0.461 | 33.46 | 0.0 | 6.81 | 29.26 | 0.00 | 1.05 | 0.35 | 0.42 | 1.81 | 0.00 | 0.00 | 19.8 | 0.0 | 0.15 | 3.2 | 0.935 | 0.935 | 7.128 | 12.755 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.70 |
| 476 P3 | 6 | 11.90 | 0.466 | 33.50 | 0.0 | 6.81 | 29.26 | 0.00 | 1.05 | 0.35 | 0.42 | 1.81 | 0.00 | 0.00 | 20.0 | 0.0 | 0.15 | 3.2 | 0.944 | 0.944 | 7.123 | 12.764 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.70 |
| 477 P3 | 6 | 11.80 | 0.471 | 33.54 | 0.0 | 6.81 | 29.27 | 0.00 | 1.05 | 0.35 | 0.41 | 1.81 | 0.00 | 0.00 | 20.2 | 0.0 | 0.15 | 3.2 | 0.953 | 0.953 | 7.119 | 12.772 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.70 |
| 478 P3 | 6 | 11.70 | 0.476 | 33.58 | 0.0 | 6.81 | 29.27 | 0.00 | 1.05 | 0.35 | 0.41 | 1.81 | 0.00 | 0.00 | 20.4 | 0.0 | 0.15 | 3.2 | 0.962 | 0.962 | 7.114 | 12.780 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.71 |
| 479 P3 | 6 | 11.60 | 0.481 | 33.62 | 0.0 | 6.81 | 29.27 | 0.00 | 1.05 | 0.35 | 0.41 | 1.80 | 0.00 | 0.00 | 20.6 | 0.0 | 0.15 | 3.2 | 0.971 | 0.971 | 7.109 | 12.790 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.71 |
| 480 P3 | 6 | 11.50 | 0.486 | 33.66 | 0.0 | 6.80 | 29.27 | 0.00 | 1.04 | 0.35 | 0.41 | 1.80 | 0.00 | 0.00 | 20.8 | 0.0 | 0.16 | 3.2 | 0.980 | 0.980 | 7.104 | 12.798 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.71 |
| 481 P3 | 6 | 11.40 | 0.491 | 33.70 | 0.0 | 6.80 | 29.28 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 0.00 | 0.00 | 21.0 | 0.0 | 0.16 | 3.2 | 0.989 | 0.989 | 7.100 | 12.806 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.71 |
| 482 P3 | 6 | 11.30 | 0.496 | 33.74 | 0.0 | 6.80 | 29.28 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 0.00 | 0.00 | 21.2 | 0.0 | 0.16 | 3.2 | 0.998 | 0.998 | 7.095 | 12.815 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.71 |
| 483 P3 | 6 | 11.20 | 0.501 | 33.78 | 0.0 | 6.80 | 29.28 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 0.00 | 0.00 | 21.4 | 0.0 | 0.16 | 3.2 | 1.007 | 1.007 | 7.090 | 12.823 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.71 |
| 484 P3 | 6 | 11.10 | 0.507 | 33.82 | 0.0 | 6.80 | 29.28 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 0.00 | 0.00 | 21.6 | 0.0 | 0.16 | 3.2 | 1.016 | 1.016 | 7.086 | 12.831 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.72 |
| 485 P3 | 6 | 11.00 | 0.512 | 33.86 | 0.0 | 6.80 | 29.28 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 0.00 | 0.00 | 21.8 | 0.0 | 0.16 | 3.2 | 1.025 | 1.025 | 7.081 | 12.840 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.72 |
| 486 P3 | 6 | 10.90 | 0.517 | 33.90 | 0.0 | 6.45 | 29.03 | 0.00 | 1.05 | 0.34 | 0.41 | 1.80 | 0.00 | 0.00 | 22.0 | 0.0 | 0.16 | 3.2 | 1.033 | 1.033 | 7.076 | 12.849 | 0.06 | 0.09 | 0.00 | 0.00 | 0.55 | 0.72 |
| TRIBUTARY # 487 (Arnold's Creek) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 561 P2 | 8 | 10.80 | 0.520 | 33.82 | 0.0 | 6.28 | 28.92 | 0.00 | 1.05 | 0.34 | 0.41 | 1.80 | 0.00 | 0.00 | 21.9 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.085 | 1.853 | 0.06 | 0.03 | 0.00 | 0.00 | 0.54 | 3.34 |
| 562 P2 | 8 | 10.70 | 0.520 | 33.74 | 0.0 | 6.19 | 28.88 | 0.00 | 1.05 | 0.34 | 0.41 | 1.80 | 0.00 | 0.00 | 21.9 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.095 | 1.850 | 0.06 | 0.03 | 0.00 | 0.00 | 0.54 | 3.33 |
| 563 P2 | 8 | 10.60 | 0.520 | 33.66 | 0.0 | 6.09 | 28.85 | 0.00 | 1.05 | 0.34 | 0.41 | 1.81 | 0.00 | 0.00 | 21.8 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.104 | 1.848 | 0.06 | 0.03 | 0.00 | 0.00 | 0.54 | 3.31 |
| WASTELOAD # 564 (Grp12-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 564 P2 | 8 | 10.50 | 0.520 | 33.58 | 0.0 | 6.01 | 28.83 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 0.00 | 0.00 | 21.7 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.113 | 1.845 | 0.06 | 0.03 | 0.00 | 0.00 | 0.53 | 3.29 |
| 565 P2 | 8 | 10.40 | 0.520 | 33.50 | 0.0 | 5.92 | 28.81 | 0.00 | 1.06 | 0.35 | 0.42 | 1.83 | 0.00 | 0.00 | 21.7 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.123 | 1.843 | 0.06 | 0.03 | 0.00 | 0.00 | 0.53 | 3.28 |
| WASTELOAD # 566 (Grp13-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 566 P2 | 8 | 10.30 | 0.524 | 33.43 | 0.0 | 5.84 | 28.80 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 0.00 | 0.00 | 21.6 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.132 | 1.839 | 0.06 | 0.03 | 0.00 | 0.00 | 0.53 | 3.26 |
| 567 P2 | 8 | 10.20 | 0.524 | 33.35 | 0.0 | 5.76 | 28.75 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 0.00 | 0.00 | 21.5 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.141 | 1.837 | 0.06 | 0.03 | 0.00 | 0.00 | 0.52 | 3.24 |
| 568 P2 | 8 | 10.10 | 0.524 | 33.27 | 0.0 | 5.69 | 28.70 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 0.00 | 0.00 | 21.4 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.151 | 1.834 | 0.06 | 0.03 | 0.00 | 0.00 | 0.52 | 3.23 |
| 569 P2 | 8 | 10.00 | 0.524 | 33.19 | 0.0 | 5.62 | 28.65 | 0.00 | 1.06 | 0.35 | 0.42 | 1.83 | 0.00 | 0.00 | 21.4 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.161 | 1.832 | 0.05 | 0.03 | 0.00 | 0.00 | 0.52 | 3.21 |
| 570 P2 | 8 | 9.90 | 0.524 | 33.11 | 0.0 | 5.55 | 28.60 | 0.00 | 1.06 | 0.35 | 0.42 | 1.83 | 0.00 | 0.00 | 21.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.170 | 1.829 | 0.05 | 0.03 | 0.00 | 0.00 | 0.51 | 3.20 |
| 571 P2 | 8 | 9.80 | 0.524 | 33.03 | 0.0 | 5.49 | 28.55 | 0.00 | 1.06 | 0.35 | 0.42 | 1.83 | 0.00 | 0.00 | 21.2 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.179 | 1.827 | 0.05 | 0.03 | 0.00 | 0.00 | 0.51 | 3.18 |
| 572 P2 | 8 | 9.70 | 0.524 | 32.95 | 0.0 | 5.43 | 28.50 | 0.00 | 1.06 | 0.34 | 0.42 | 1.82 | 0.00 | 0.00 | 21.2 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.188 | 1.825 | 0.05 | 0.03 | 0.00 | 0.00 | 0.51 | 3.16 |
| 573 P2 | 8 | 9.60 | 0.524 | 32.87 | 0.0 | 5.37 | 28.45 | 0.00 | 1.06 | 0.34 | 0.42 | 1.82 | 0.00 | 0.00 | 21.1 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.198 | 1.822 | 0.05 | 0.03 | 0.00 | 0.00 | 0.50 | 3.15 |
| 574 P2 | 8 | 9.50 | 0.524 | 32.79 | 0.0 | 5.31 | 28.40 | 0.00 | 1.06 | 0.34 | 0.42 | 1.82 | 0.00 | 0.00 | 21.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.208 | 1.820 | 0.05 | 0.03 | 0.00 | 0.00 | 0.50 | 3.13 |
| 575 P2 | 8 | 9.40 | 0.524 | 32.71 | 0.0 | 5.26 | 28.35 | 0.00 | 1.06 | 0.34 | 0.42 | 1.82 | 0.00 | 0.00 | 21.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.218 | 1.817 | 0.05 | 0.03 | 0.00 | 0.00 | 0.50 | 3.12 |
| 576 P2 | 8 | 9.30 | 0.524 | 32.63 | 0.0 | 5.21 | 28.30 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 0.00 | 0.00 | 20.9 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.227 | 1.815 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 3.10 |
| 577 P2 | 8 | 9.20 | 0.524 | 32.56 | 0.0 | 5.16 | 28.25 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 0.00 | 0.00 | 20.8 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.236 | 1.813 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 3.09 |
| 578 P2 | 8 | 9.10 | 0.524 | 32.48 | 0.0 | 5.11 | 28.20 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 0.00 | 0.00 | 20.7 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.246 | 1.810 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 3.07 |
| 579 P2 | 8 | 9.00 | 0.524 | 32.40 | 0.0 | 5.07 | 28.16 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 0.00 | 0.00 | 20.7 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.256 | 1.808 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 3.06 |
| 580 P2 | 8 | 8.90 | 0.524 | 32.32 | 0.0 | 5.03 | 28.11 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 0.00 | 0.00 | 20.6 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.265 | 1.805 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 3.04 |
| 581 P2 | 8 | 8.80 | 0.524 | 32.24 | 0.0 | 4.99 | 28.06 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 0.00 | 0.00 | 20.5 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.275 | 1.803 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 3.03 |
| 582 P2 | 8 | 8.70 | 0.524 | 32.16 | 0.0 | 4.95 | 28.01 | 0.00 | 1.07 | 0.33 | 0.42 | 1.81 | 0.00 | 0.00 | 20.5 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.285 | 1.801 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 3.01 |
| 583 P2 | 8 | 8.60 | 0.524 | 32.08 | 0.0 | 4.91 | 27.96 | 0.00 | 1.07 | 0.33 | 0.42 | 1.81 | 0.00 | 0.00 | 20.4 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.295 | 1.798 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 3.00 |
| WASTELOAD # 584 (Grp14-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 584 P2 | 8 | 8.50 | 0.525 | 32.00 | 0.0 | 4.88 | 27.91 | 0.00 | 1.07 | 0.33 | 0.42 | 1.82 | 0.00 | 0.00 | 20.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.305 | 1.795 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 2.98 |
| 585 P2 | 8 | 8.40 | 0.525 | 31.92 | 0.0 | 4.85 | 27.84 | 0.00 | 1.07 | 0.33 | 0.42 | 1.81 | 0.00 | 0.00 | 20.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.314 | 1.793 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 2.97 |
| 586 P2 | 8 | 8.30 | 0.525 | 31.84 | 0.0 | 4.82 | 27.76 | 0.00 | 1.07 | 0.33 | 0.41 | 1.81 | 0.00 | 0.00 | 20.2 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.324 | 1.790 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 2.95 |
| 587 P2 | 8 | 8.20 | 0.525 | 31.77 | 0.0 | 4.79 | 27.67 | 0.00 | 1.07 | 0.32 | 0.41 | 1.80 | 0.00 | 0.00 | 20.1 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.334 | 1.788 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 2.94 |
| 588 P2 | 8 | 8.10 | 0.525 | 31.69 | 0.0 | 4.77 | 27.58 | 0.00 | 1.07 | 0.32 | 0.41 | 1.80 | 0.00 | 0.00 | 20.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.344 | 1.786 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 2.92 |
| 589 P2 | 8 | 8.00 | 0.525 | 31.61 | 0.0 | 4.75 | 27.47 | 0.00 | 1.07 | 0.31 | 0.41 | 1.79 | 0.00 | 0.00 | 20.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.354 | 1.783 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 2.91 |
| 590 P2 | 8 | 7.90 | 0.525 | 31.53 | 0.0 | 4.73 | 27.34 | 0.00 | 1.07 | 0.31 | 0.41 | 1.79 | 0.00 | 0.00 | 19.9 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.363 | 1.781 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 2.89 |
| 591 P2 | 8 | 7.80 | 0.525 | 31.45 | 0.0 | 4.71 | 27.20 | 0.00 | 1.07 | 0.31 | 0.40 | 1.78 | 0.00 | 0.00 | 19.8 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.373 | 1.778 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 2.88 |
| 592 P2 | 8 | 7.70 | 0.525 | 31.37 | 0.0 | 4.70 | 27.03 | 0.00 | 1.08 | 0.30 | 0.40 | 1.78 | 0.00 | 0.00 | 19.8 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.383 | 1.776 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 2.86 |
| 593 P2 | 8 | 7.60 | 0.525 | 31.29 | 0.0 | 4.69 | 26.84 | 0.00 | 1.08 | 0.30 | 0.39 | 1.77 | 0.00 | 0.00 | 19.7 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.393 | 1.774 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 2.85 |
| 594 P2 | 8 | 7.50 | 0.525 | 31.21 | 0.0 | 4.69 | 26.60 | 0.00 | 1.08 | 0.29 | 0.39 | 1.76 | 0.00 | 0.00 | 19.6 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.403 | 1.771 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 2.84 |
| 595 P2 | 8 | 7.40 | 0.525 | 31.13 | 0.0 | 4.69 | 26.33 | 0.00 | 1.09 | 0.28 | 0.38 | 1.75 | 0.00 | 0.00 | 19.6 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.413 | 1.769 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 2.82 |
| 596 P2 | 8 | 7.30 | 0.525 | 31.05 | 0.0 | 4.69 | 26.00 | 0.00 | 1.09 | 0.28 | 0.37 | 1.73 | 0.00 | 0.00 | 19.5 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.423 | 1.767 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 2.81 |
| 597 P2 | 8 | 7.20 | 0.525 | 30.97 | 0.0 | 4.71 | 25.60 | 0.00 | 1.10 | 0.27 | 0.36 | 1.72 | 0.00 | 0.00 | 19.4 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.433 | 1.764 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 2.79 |
| 598 P2 | 8 | 7.10 | 0.525 | 30.90 | 0.0 | 4.73 | 25.12 | 0.00 | 1.10 | 0.26 | 0.34 | 1.70 | 0.00 | 0.00 | 19.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.443 | 1.762 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 2.78 |
| 599 P2 | 8 | 7.00 | 0.525 | 30.82 | 0.0 | 4.76 | 24.53 | 0.00 | 1.11 | 0.24 | 0.32 | 1.68 | 0.00 | 0.00 | 19.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.453 | 1.759 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 2.77 |
| 600 P2 | 8 | 6.90 | 0.525 | 30.74 | 0.0 | 4.80 | 23.81 | 0.00 | 1.12 | 0.23 | 0.30 | 1.65 | 0.00 | 0.00 | 19.2 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.463 | 1.757 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 2.75 |
| 601 P2 | 8 | 6.80 | 0.525 | 30.66 | 0.0 | 4.85 | 22.93 | 0.00 | 1.14 | 0.21 | 0.27 | 1.62 | 0.00 | 0.00 | 19.1 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.474 | 1.755 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 2.74 |
| 602 P2 | 8 | 6.70 | 0.525 | 30.58 | 0.0 | 4.93 | 21.85 | 0.00 | 1.16 | 0.19 | 0.24 | 1.58 | 0.00 | 0.00 | 19.1 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.484 | 1.752 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 2.73 |
| WASTELOAD # 603 (YWR) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 603 P2 | 8 | 6.60 | 0.528 | 30.50 | 0.0 | 5.03 | 20.53 | 0.00 | 1.18 | 0.16 | 0.19 | 1.53 | 0.00 | 0.00 | 19.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.494 | 1.749 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 2.71 |
| 604 P1 | 9 | 6.50 | 0.528 | 30.50 | 0.0 | 5.05 | 20.29 | 0.00 | 1.18 | 0.15 | 0.19 | 1.52 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 605 P1 | 9 | 6.40 | 0.528 | 30.50 | 0.0 | 5.06 | 20.16 | 0.00 | 1.19 | 0.15 | 0.18 | 1.52 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 606 P1 | 9 | 6.30 | 0.528 | 30.50 | 0.0 | 5.07 | 20.04 | 0.00 | 1.19 | 0.15 | 0.18 | 1.51 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 607 P1 | 9 | 6.20 | 0.528 | 30.50 | 0.0 | 5.08 | 19.92 | 0.00 | 1.19 | 0.15 | 0.17 | 1.51 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 608 | P1 | 9 | 6.10 | 0.528 | 30.50 | 0.0 | 5.09 | 19.80 | 0.00 | 1.19 | 0.14 | 0.17 | 1.51 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 609 | P1 | 9 | 6.00 | 0.528 | 30.50 | 0.0 | 5.10 | 19.69 | 0.00 | 1.20 | 0.14 | 0.16 | 1.50 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 610 | P1 | 9 | 5.90 | 0.528 | 30.50 | 0.0 | 5.11 | 19.58 | 0.00 | 1.20 | 0.14 | 0.16 | 1.50 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 611 | P1 | 9 | 5.80 | 0.528 | 30.50 | 0.0 | 5.13 | 19.48 | 0.00 | 1.20 | 0.14 | 0.16 | 1.49 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 612 | P1 | 9 | 5.70 | 0.528 | 30.50 | 0.0 | 5.14 | 19.38 | 0.00 | 1.21 | 0.14 | 0.15 | 1.49 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| | WASTELOAD # 613 (LAG531729) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 613 | P1 | 9 | 5.60 | 0.529 | 30.50 | 0.0 | 5.15 | 19.28 | 0.00 | 1.21 | 0.13 | 0.15 | 1.49 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 614 | P1 | 9 | 5.50 | 0.529 | 30.50 | 0.0 | 5.16 | 19.19 | 0.00 | 1.21 | 0.13 | 0.14 | 1.49 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 615 | P1 | 9 | 5.40 | 0.529 | 30.50 | 0.0 | 5.18 | 19.10 | 0.00 | 1.21 | 0.13 | 0.14 | 1.48 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 616 | P1 | 9 | 5.30 | 0.529 | 30.50 | 0.0 | 5.19 | 19.01 | 0.00 | 1.22 | 0.13 | 0.14 | 1.48 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 617 | P1 | 9 | 5.20 | 0.529 | 30.50 | 0.0 | 5.20 | 18.93 | 0.00 | 1.22 | 0.13 | 0.13 | 1.48 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 618 | P1 | 9 | 5.10 | 0.529 | 30.50 | 0.0 | 5.22 | 18.85 | 0.00 | 1.22 | 0.12 | 0.13 | 1.48 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 619 | P1 | 9 | 5.00 | 0.529 | 30.50 | 0.0 | 5.23 | 18.78 | 0.00 | 1.23 | 0.12 | 0.12 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 620 | P1 | 9 | 4.90 | 0.529 | 30.50 | 0.0 | 5.24 | 18.71 | 0.00 | 1.23 | 0.12 | 0.12 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 621 | P1 | 9 | 4.80 | 0.529 | 30.50 | 0.0 | 5.26 | 18.65 | 0.00 | 1.24 | 0.12 | 0.12 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 622 | P1 | 9 | 4.70 | 0.529 | 30.50 | 0.0 | 5.27 | 18.59 | 0.00 | 1.24 | 0.12 | 0.11 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 623 | P1 | 9 | 4.60 | 0.529 | 30.50 | 0.0 | 5.29 | 18.53 | 0.00 | 1.24 | 0.12 | 0.11 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 624 | P1 | 9 | 4.50 | 0.529 | 30.50 | 0.0 | 5.30 | 18.48 | 0.00 | 1.25 | 0.11 | 0.11 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 625 | P1 | 9 | 4.40 | 0.529 | 30.50 | 0.0 | 5.32 | 18.44 | 0.00 | 1.25 | 0.11 | 0.10 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 626 | P1 | 9 | 4.30 | 0.529 | 30.50 | 0.0 | 5.33 | 18.39 | 0.00 | 1.26 | 0.11 | 0.10 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 627 | P1 | 9 | 4.20 | 0.529 | 30.50 | 0.0 | 5.34 | 18.36 | 0.00 | 1.26 | 0.11 | 0.10 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 628 | P1 | 9 | 4.10 | 0.529 | 30.50 | 0.0 | 5.36 | 18.33 | 0.00 | 1.27 | 0.11 | 0.09 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 629 | P1 | 9 | 4.00 | 0.529 | 30.50 | 0.0 | 5.37 | 18.30 | 0.00 | 1.27 | 0.11 | 0.09 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 630 | P1 | 9 | 3.90 | 0.529 | 30.50 | 0.0 | 5.39 | 18.28 | 0.00 | 1.28 | 0.11 | 0.09 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 631 | P1 | 9 | 3.80 | 0.529 | 30.50 | 0.0 | 5.40 | 18.26 | 0.00 | 1.28 | 0.11 | 0.09 | 1.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 632 | P1 | 9 | 3.70 | 0.529 | 30.50 | 0.0 | 5.42 | 18.25 | 0.00 | 1.29 | 0.11 | 0.08 | 1.48 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 633 | P1 | 9 | 3.60 | 0.529 | 30.50 | 0.0 | 5.44 | 18.24 | 0.00 | 1.29 | 0.11 | 0.08 | 1.48 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 634 | P1 | 9 | 3.50 | 0.529 | 30.50 | 0.0 | 5.45 | 18.24 | 0.00 | 1.30 | 0.10 | 0.08 | 1.48 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 635 | P1 | 9 | 3.40 | 0.529 | 30.50 | 0.0 | 5.47 | 18.25 | 0.00 | 1.30 | 0.10 | 0.08 | 1.48 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 636 | P1 | 9 | 3.30 | 0.529 | 30.50 | 0.0 | 5.49 | 18.26 | 0.00 | 1.31 | 0.10 | 0.08 | 1.49 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 637 | P1 | 9 | 3.20 | 0.529 | 30.50 | 0.0 | 5.50 | 18.27 | 0.00 | 1.32 | 0.10 | 0.07 | 1.49 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 638 | P1 | 9 | 3.10 | 0.529 | 30.50 | 0.0 | 5.52 | 18.29 | 0.00 | 1.32 | 0.10 | 0.07 | 1.50 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 639 | P1 | 9 | 3.00 | 0.529 | 30.50 | 0.0 | 5.54 | 18.32 | 0.00 | 1.33 | 0.10 | 0.07 | 1.50 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 640 | P1 | 9 | 2.90 | 0.529 | 30.50 | 0.0 | 5.56 | 18.35 | 0.00 | 1.34 | 0.10 | 0.07 | 1.51 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 641 | P1 | 9 | 2.80 | 0.529 | 30.50 | 0.0 | 5.58 | 18.39 | 0.00 | 1.34 | 0.10 | 0.07 | 1.51 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 642 | P1 | 9 | 2.70 | 0.529 | 30.50 | 0.0 | 5.60 | 18.44 | 0.00 | 1.35 | 0.10 | 0.07 | 1.52 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 643 | P1 | 9 | 2.60 | 0.529 | 30.50 | 0.0 | 5.62 | 18.49 | 0.00 | 1.36 | 0.10 | 0.06 | 1.52 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 644 | P1 | 9 | 2.50 | 0.529 | 30.50 | 0.0 | 5.64 | 18.55 | 0.00 | 1.36 | 0.10 | 0.06 | 1.53 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 645 | P1 | 9 | 2.40 | 0.529 | 30.50 | 0.0 | 5.66 | 18.62 | 0.00 | 1.37 | 0.10 | 0.06 | 1.54 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 646 | P1 | 9 | 2.30 | 0.529 | 30.50 | 0.0 | 5.69 | 18.69 | 0.00 | 1.38 | 0.10 | 0.06 | 1.54 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 647 | P1 | 9 | 2.20 | 0.529 | 30.50 | 0.0 | 5.71 | 18.77 | 0.00 | 1.39 | 0.10 | 0.06 | 1.55 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 648 | P1 | 9 | 2.10 | 0.529 | 30.50 | 0.0 | 5.73 | 18.86 | 0.00 | 1.40 | 0.10 | 0.06 | 1.56 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 649 | P1 | 9 | 2.00 | 0.529 | 30.50 | 0.0 | 5.76 | 18.95 | 0.00 | 1.40 | 0.11 | 0.06 | 1.57 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 650 | P1 | 9 | 1.90 | 0.529 | 30.50 | 0.0 | 5.79 | 19.05 | 0.00 | 1.41 | 0.11 | 0.06 | 1.58 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 651 | P1 | 9 | 1.80 | 0.529 | 30.50 | 0.0 | 5.82 | 19.16 | 0.00 | 1.42 | 0.11 | 0.06 | 1.59 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 652 | P1 | 9 | 1.70 | 0.529 | 30.50 | 0.0 | 5.85 | 19.28 | 0.00 | 1.43 | 0.11 | 0.06 | 1.60 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 653 | P1 | 9 | 1.60 | 0.529 | 30.50 | 0.0 | 5.88 | 19.41 | 0.00 | 1.44 | 0.11 | 0.06 | 1.61 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 654 | P1 | 9 | 1.50 | 0.529 | 30.50 | 0.0 | 5.92 | 19.54 | 0.00 | 1.45 | 0.11 | 0.06 | 1.62 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 655 | P1 | 9 | 1.40 | 0.529 | 30.50 | 0.0 | 5.95 | 19.68 | 0.00 | 1.46 | 0.11 | 0.06 | 1.63 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 656 | P1 | 9 | 1.30 | 0.529 | 30.50 | 0.0 | 5.99 | 19.83 | 0.00 | 1.47 | 0.11 | 0.06 | 1.64 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 657 | P1 | 9 | 1.20 | 0.529 | 30.50 | 0.0 | 6.03 | 19.99 | 0.00 | 1.48 | 0.12 | 0.06 | 1.66 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 658 | P1 | 9 | 1.10 | 0.529 | 30.50 | 0.0 | 6.07 | 20.16 | 0.00 | 1.49 | 0.12 | 0.06 | 1.67 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 659 | P1 | 9 | 1.00 | 0.529 | 30.50 | 0.0 | 6.12 | 20.34 | 0.00 | 1.50 | 0.12 | 0.06 | 1.68 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 660 | P1 | 9 | 0.90 | 0.529 | 30.50 | 0.0 | 6.17 | 20.52 | 0.00 | 1.51 | 0.12 | 0.06 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 661 | P1 | 9 | 0.80 | 0.529 | 30.50 | 0.0 | 6.22 | 20.72 | 0.00 | 1.52 | 0.12 | 0.07 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 662 | P1 | 9 | 0.70 | 0.529 | 30.50 | 0.0 | 6.27 | 20.93 | 0.00 | 1.53 | 0.13 | 0.07 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 663 | P1 | 9 | 0.60 | 0.529 | 30.50 | 0.0 | 6.33 | 21.14 | 0.00 | 1.55 | 0.13 | 0.07 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 664 | P1 | 9 | 0.50 | 0.529 | 30.50 | 0.0 | 6.39 | 21.37 | 0.00 | 1.56 | 0.13 | 0.07 | 1.76 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 665 | P1 | 9 | 0.40 | 0.529 | 30.50 | 0.0 | 6.46 | 21.61 | 0.00 | 1.57 | 0.13 | 0.07 | 1.78 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 666 | P1 | 9 | 0.30 | 0.529 | 30.50 | 0.0 | 6.53 | 21.86 | 0.00 | 1.58 | 0.14 | 0.07 | 1.79 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.016 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 667 | P1 | 9 | 0.20 | 0.529 | 30.50 | 0.0 | 6.60 | 22.12 | 0.00 | 1.60 | 0.14 | 0.08 | 1.81 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.016 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 668 | P1 | 9 | 0.10 | 0.529 | 30.50 | 0.0 | 6.68 | 22.39 | 0.00 | 1.61 | 0.14 | 0.08 | 1.83 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.016 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |
| 669 | P1 | 9 | 0.00 | 0.529 | 30.50 | 0.0 | 6.76 | 22.67 | 0.00 | 1.62 | 0.15 | 0.08 | 1.85 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.016 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 1.55 |

CAPSULE SUMMARY FOR Pont. Trib.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | PT | 2 | 7.90 | 0.003 | 29.80 | 0.0 | 7.04 | 21.20 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.584 | 7.913 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 124 | PT | 2 | 7.80 | 0.003 | 29.80 | 0.0 | 7.18 | 21.05 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.584 | 7.913 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 125 | PT | 2 | 7.70 | 0.003 | 29.81 | 0.0 | 7.27 | 20.90 | 0.00 | 3.90 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 5.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.584 | 7.913 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 126 | PT | 2 | 7.60 | 0.003 | 29.81 | 0.0 | 7.33 | 20.75 | 0.00 | 3.90 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 5.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.583 | 7.914 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 127 | PT | 2 | 7.50 | 0.003 | 29.81 | 0.0 | 7.38 | 20.60 | 0.00 | 3.90 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 5.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.584 | 7.913 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 128 | PT | 2 | 7.40 | 0.003 | 29.81 | 0.0 | 7.41 | 20.45 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 5.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.582 | 7.915 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 129 | PT | 2 | 7.30 | 0.003 | 29.82 | 0.0 | 7.43 | 20.30 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 5.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.582 | 7.915 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 130 | PT | 2 | 7.20 | 0.003 | 29.82 | 0.0 | 7.45 | 20.15 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 5.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.582 | 7.915 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 131 | PT | 2 | 7.10 | 0.003 | 29.82 | 0.0 | 7.46 | 20.01 | 0.00 | 3.89 | 0.14 | 0.04 | 4.07 | 0.00 | 0.00 | 5.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.582 | 7.915 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 132 | PT | 2 | 7.00 | 0.003 | 29.82 | 0.0 | 7.47 | 19.86 | 0.00 | 3.88 | 0.14 | 0.04 | 4.06 | 0.00 | 0.00 | 5.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.581 | 7.916 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 133 | PT | 2 | 6.90 | 0.003 | 29.83 | 0.0 | 7.47 | 19.72 | 0.00 | 3.88 | 0.14 | 0.04 | 4.06 | 0.00 | 0.00 | 5.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.581 | 7.916 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 134 | PT | 2 | 6.80 | 0.003 | 29.83 | 0.0 | 7.48 | 19.57 | 0.00 | 3.88 | 0.14 | 0.04 | 4.06 | 0.00 | 0.00 | 5.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.581 | 7.916 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 135 | PT | 2 | 6.70 | 0.003 | 29.83 | 0.0 | 7.48 | 19.43 | 0.00 | 3.88 | 0.14 | 0.04 | 4.06 | 0.00 | 0.00 | 5.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.580 | 7.917 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 136 | PT | 2 | 6.60 | 0.003 | 29.83 | 0.0 | 7.48 | 19.29 | 0.00 | 3.87 | 0.14 | 0.04 | 4.06 | 0.00 | 0.00 | 5.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.580 | 7.917 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 137 | PT | 2 | 6.50 | 0.003 | 29.84 | 0.0 | 7.48 | 19.15 | 0.00 | 3.87 | 0.14 | 0.04 | 4.06 | 0.00 | 0.00 | 5.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.580 | 7.917 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 138 | PT | 2 | 6.40 | 0.003 | 29.84 | 0.0 | 7.48 | 19.01 | 0.00 | 3.87 | 0.14 | 0.05 | 4.06 | 0.00 | 0.00 | 5.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.580 | 7.918 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 139 | PT | 2 | 6.30 | 0.003 | 29.84 | 0.0 | 7.48 | 18.87 | 0.00 | 3.87 | 0.14 | 0.05 | 4.05 | 0.00 | 0.00 | 5.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.579 | 7.918 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 140 | PT | 2 | 6.20 | 0.003 | 29.84 | 0.0 | 7.49 | 18.73 | 0.00 | 3.86 | 0.14 | 0.05 | 4.05 | 0.00 | 0.00 | 5.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.579 | 7.918 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 141 | PT | 2 | 6.10 | 0.003 | 29.85 | 0.0 | 7.49 | 18.60 | 0.00 | 3.86 | 0.14 | 0.05 | 4.05 | 0.00 | 0.00 | 4.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.578 | 7.919 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 142 | PT | 2 | 6.00 | 0.003 | 29.85 | 0.0 | 7.49 | 18.46 | 0.00 | 3.86 | 0.14 | 0.05 | 4.05 | 0.00 | 0.00 | 4.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.578 | 7.919 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 143 | PT | 2 | 5.90 | 0.003 | 29.85 | 0.0 | 7.49 | 18.33 | 0.00 | 3.86 | 0.14 | 0.05 | 4.05 | 0.00 | 0.00 | 4.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.578 | 7.920 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 144 | PT | 2 | 5.80 | 0.003 | 29.85 | 0.0 | 7.49 | 18.19 | 0.00 | 3.85 | 0.14 | 0.06 | 4.05 | 0.00 | 0.00 | 4.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.577 | 7.920 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 145 | PT | 2 | 5.70 | 0.003 | 29.86 | 0.0 | 7.49 | 18.06 | 0.00 | 3.85 | 0.14 | 0.06 | 4.04 | 0.00 | 0.00 | 4.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.577 | 7.920 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 146 | PT | 2 | 5.60 | 0.003 | 29.86 | 0.0 | 7.49 | 17.93 | 0.00 | 3.85 | 0.14 | 0.06 | 4.04 | 0.00 | 0.00 | 4.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.577 | 7.921 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 147 | PT | 2 | 5.50 | 0.003 | 29.86 | 0.0 | 7.49 | 17.80 | 0.00 | 3.84 | 0.14 | 0.06 | 4.04 | 0.00 | 0.00 | 4.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.577 | 7.921 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 148 | PT | 2 | 5.40 | 0.003 | 29.86 | 0.0 | 7.49 | 17.67 | 0.00 | 3.84 | 0.14 | 0.06 | 4.04 | 0.00 | 0.00 | 4.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.576 | 7.921 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 149 | PT | 2 | 5.30 | 0.003 | 29.87 | 0.0 | 7.49 | 17.54 | 0.00 | 3.84 | 0.14 | 0.06 | 4.04 | 0.00 | 0.00 | 4.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.575 | 7.922 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 150 | PT | 2 | 5.20 | 0.003 | 29.87 | 0.0 | 7.49 | 17.41 | 0.00 | 3.84 | 0.14 | 0.06 | 4.04 | 0.00 | 0.00 | 4.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.576 | 7.921 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 151 | PT | 2 | 5.10 | 0.003 | 29.87 | 0.0 | 7.49 | 17.28 | 0.00 | 3.83 | 0.14 | 0.07 | 4.04 | 0.00 | 0.00 | 4.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.575 | 7.923 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 152 | PT | 2 | 5.00 | 0.003 | 29.88 | 0.0 | 7.49 | 17.16 | 0.00 | 3.83 | 0.14 | 0.07 | 4.03 | 0.00 | 0.00 | 4.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.575 | 7.923 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 153 | PT | 2 | 4.90 | 0.003 | 29.88 | 0.0 | 7.49 | 17.03 | 0.00 | 3.83 | 0.14 | 0.07 | 4.03 | 0.00 | 0.00 | 4.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.575 | 7.923 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 154 | PT | 2 | 4.80 | 0.003 | 29.88 | 0.0 | 7.49 | 16.91 | 0.00 | 3.83 | 0.13 | 0.07 | 4.03 | 0.00 | 0.00 | 4.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.574 | 7.924 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 155 | PT | 2 | 4.70 | 0.003 | 29.88 | 0.0 | 7.49 | 16.78 | 0.00 | 3.82 | 0.13 | 0.07 | 4.03 | 0.00 | 0.00 | 4.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.574 | 7.924 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 156 | PT | 2 | 4.60 | 0.003 | 29.89 | 0.0 | 7.49 | 16.66 | 0.00 | 3.82 | 0.13 | 0.07 | 4.03 | 0.00 | 0.00 | 4.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.574 | 7.924 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 157 | PT | 2 | 4.50 | 0.003 | 29.89 | 0.0 | 7.49 | 16.54 | 0.00 | 3.82 | 0.13 | 0.07 | 4.03 | 0.00 | 0.00 | 4.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.573 | 7.925 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 158 | PT | 2 | 4.40 | 0.003 | 29.89 | 0.0 | 7.49 | 16.42 | 0.00 | 3.82 | 0.13 | 0.08 | 4.03 | 0.00 | 0.00 | 4.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.573 | 7.925 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 159 | PT | 2 | 4.30 | 0.003 | 29.89 | 0.0 | 7.49 | 16.30 | 0.00 | 3.81 | 0.13 | 0.08 | 4.02 | 0.00 | 0.00 | 3.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.572 | 7.925 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 160 | PT | 2 | 4.20 | 0.003 | 29.90 | 0.0 | 7.49 | 16.18 | 0.00 | 3.81 | 0.13 | 0.08 | 4.02 | 0.00 | 0.00 | 3.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.572 | 7.926 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 161 | PT | 2 | 4.10 | 0.003 | 29.90 | 0.0 | 7.49 | 16.06 | 0.00 | 3.81 | 0.13 | 0.08 | 4.02 | 0.00 | 0.00 | 3.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.572 | 7.926 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 162 | PT | 2 | 4.00 | 0.003 | 29.90 | 0.0 | 7.49 | 15.94 | 0.00 | 3.81 | 0.13 | 0.08 | 4.02 | 0.00 | 0.00 | 3.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.571 | 7.926 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 163 | PT | 2 | 3.90 | 0.003 | 29.90 | 0.0 | 7.49 | 15.82 | 0.00 | 3.80 | 0.13 | 0.08 | 4.02 | 0.00 | 0.00 | 3.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.571 | 7.926 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 164 | PT | 2 | 3.80 | 0.003 | 29.90 | 0.0 | 7.49 | 15.70 | 0.00 | 3.80 | 0.13 | 0.08 | 4.02 | 0.00 | 0.00 | 3.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.571 | 7.927 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 165 | PT | 2 | 3.70 | 0.003 | 29.91 | 0.0 | 7.49 | 15.59 | 0.00 | 3.80 | 0.13 | 0.08 | 4.01 | 0.00 | 0.00 | 3.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.570 | 7.927 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 166 | PT | 2 | 3.60 | 0.003 | 29.91 | 0.0 | 7.48 | 15.47 | 0.00 | 3.80 | 0.13 | 0.09 | 4.01 | 0.00 | 0.00 | 3.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.570 | 7.928 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 167 | PT | 2 | 3.50 | 0.003 | 29.91 | 0.0 | 7.48 | 15.36 | 0.00 | 3.79 | 0.13 | 0.09 | 4.01 | 0.00 | 0.00 | 3.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.570 | 7.928 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 168 | PT | 2 | 3.40 | 0.003 | 29.91 | 0.0 | 7.48 | 15.25 | 0.00 | 3.79 | 0.13 | 0.09 | 4.01 | 0.00 | 0.00 | 3.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.569 | 7.928 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 169 | PT | 2 | 3.30 | 0.003 | 29.92 | 0.0 | 7.48 | 15.13 | 0.00 | 3.79 | 0.13 | 0.09 | 4.01 | 0.00 | 0.00 | 3.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.569 | 7.928 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 170 | PT | 2 | 3.20 | 0.003 | 29.92 | 0.0 | 7.48 | 15.02 | 0.00 | 3.79 | 0.13 | 0.09 | 4.01 | 0.00 | 0.00 | 3.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.569 | 7.929 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 171 | PT | 2 | 3.10 | 0.003 | 29.92 | 0.0 | 7.48 | 14.91 | 0.00 | 3.78 | 0.13 | 0.09 | 4.01 | 0.00 | 0.00 | 3.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.569 | 7.929 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 172 | PT | 2 | 3.00 | 0.003 | 29.92 | 0.0 | 7.48 | 14.80 | 0.00 | 3.78 | 0.13 | 0.09 | 4.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.568 | 7.929 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 173 | PT | 2 | 2.90 | 0.003 | 29.93 | 0.0 | 7.48 | 14.69 | 0.00 | 3.78 | 0.13 | 0.10 | 4.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.568 | 7.929 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 174 | PT | 2 | 2.80 | 0.003 | 29.93 | 0.0 | 7.48 | 14.58 | 0.00 | 3.78 | 0.13 | 0.10 | 4.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.567 | 7.931 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 175 | PT | 2 | 2.70 | 0.003 | 29.93 | 0.0 | 7.48 | 14.48 | 0.00 | 3.77 | 0.13 | 0.10 | 4.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.568 | 7.930 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 176 | PT | 2 | 2.60 | 0.003 | 29.93 | 0.0 | 7.48 | 14.37 | 0.00 | 3.77 | 0.13 | 0.10 | 4.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.568 | 7.930 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 177 | PT | 2 | 2.50 | 0.003 | 29.94 | 0.0 | 7.48 | 14.26 | 0.00 | 3.77 | 0.13 | 0.10 | 4.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.567 | 7.931 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 178 | PT | 2 | 2.40 | 0.003 | 29.94 | 0.0 | 7.48 | 14.16 | 0.00 | 3.77 | 0.13 | 0.10 | 4.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.566 | 7.931 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 179 | PT | 2 | 2.30 | 0.003 | 29.94 | 0.0 | 7.48 | 14.05 | 0.00 | 3.76 | 0.13 | 0.10 | 3.99 | 0.00 | 0.00 | 2.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.566 | 7.932 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 180 | PT | 2 | 2.20 | 0.003 | 29.94 | 0.0 | 7.48 | 13.95 | 0.00 | 3.76 | 0.13 | 0.10 | 3.99 | 0.00 | 0.00 | 2.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.565 | 7.932 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 181 | PT | 2 | 2.10 | 0.003 | 29.95 | 0.0 | 7.48 | 13.84 | 0.00 | 3.76 | 0.13 | 0.11 | 3.99 | 0.00 | 0.00 | 2.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.565 | 7.933 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 182 | PT | 2 | 2.00 | 0.003 | 29.95 | 0.0 | 7.48 | 13.74 | 0.00 | 3.76 | 0.13 | 0.11 | 3.99 | 0.00 | 0.00 | 2.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.565 | 7.932 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 183 | PT | 2 | 1.90 | 0.003 | 29.95 | 0.0 | 7.48 | 13.64 | 0.00 | 3.75 | 0.13 | 0.11 | 3.99 | 0.00 | 0.00 | 2.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.564 | 7.934 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 184 | PT | 2 | 1.80 | 0.003 | 29.95 | 0.0 | 7.48 | 13.54 | 0.00 | 3.75 | 0.13 | 0.11 | 3.99 | 0.00 | 0.00 | 2.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.565 | 7.933 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 185 | PT | 2 | 1.70 | 0.003 | 29.96 | 0.0 | 7.48 | 13.44 | 0.00 | 3.75 | 0.13 | 0.11 | 3.99 | 0.00 | 0.00 | 2.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.564 | 7.934 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 186 | PT | 2 | 1.60 | 0.003 | 29.96 | 0.0 | 7.48 | 13.34 | 0.00 | 3.75 | 0.13 | 0.11 | 3.98 | 0.00 | 0.00 | 2.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.564 | 7.934 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 187 | PT | 2 | 1.50 | 0.003 | 29.96 | 0.0 | 7.48 | 13.24 | 0.00 | 3.74 | 0.13 | 0.11 | 3.98 | 0.00 | 0.00 | 2.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.563 | 7.935 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 188 | PT | 2 | 1.40 | 0.003 | 29.97 | 0.0 | 7.48 | 13.14 | 0.00 | 3.74 | 0.12 | 0.11 | 3.98 | 0.00 | 0.00 | 2.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.563 | 7.935 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 189 | PT | 2 | 1.30 | 0.003 | 29.97 | 0.0 | 7.48 | 13.04 | 0.00 | 3.74 | 0.12 | 0.12 | 3.98 | 0.00 | 0.00 | 2.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.563 | 7.935 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 190 | PT | 2 | 1.20 | 0.003 | 29.97 | 0.0 | 7.48 | 12.94 | 0.00 | 3.74 | 0.12 | 0.12 | 3.98 | 0.00 | 0.00 | 2.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.563 | 7.935 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 191 | PT | 2 | 1.10 | 0.003 | 29.97 | 0.0 | 7.48 | 12.85 | 0.00 | 3.73 | 0.12 | 0.12 | 3.98 | 0.00 | 0.00 | 2.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.562 | 7.936 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 192 | PT | 2 | 1.00 | 0.003 | 29.98 | 0.0 | 7.48 | 12.75 | 0.00 | 3.73 | 0.12 | 0.12 | 3.97 | 0.00 | 0.00 | 2.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.562 | 7.936 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| | WASTELOAD # 193 (LAG570205) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193 | PT | 2 | 0.90 | 0.007 | 29.98 | 0.0 | 6.33 | 18.03 | 0.00 | 3.89 | 0.14 | 0.05 | 4.08 | 0.00 | 0.00 | 2.0 | 0.0 | 0.16 | 0.9 | 0.045 | 0.045 | 7.561 | 9.604 | 0.05 | 0.08 | 0.00 | 0.00 | 0.40 | 0.00 |
| 194 | PT | 2 | 0.80 | 0.007 | 29.98 | 0.0 | 6.55 | 17.97 | 0.00 | 3.88 | 0.14 | 0.05 | 4.08 | 0.00 | 0.00 | 2.0 | 0.0 | 0.16 | 0.9 | 0.045 | 0.045 | 7.561 | 9.604 | 0.05 | 0.08 | 0.00 | 0.00 | 0.40 | 0.00 |

WASTELOAD # 195 (LAG533605) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 195 | PT | 2 | 0.70 | 0.011 | 29.98 | 0.0 | 6.20 | 19.76 | 0.00 | 3.08 | 1.30 | 0.77 | 5.15 | 0.00 | 0.00 | 1.9 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.561 | 11.235 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |

CAPSULE SUMMARY FOR Pont. Trib.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 196 | PT | 2 | 0.60 | 0.011 | 29.99 | 0.0 | 6.38 | 19.72 | 0.00 | 3.08 | 1.29 | 0.78 | 5.15 | 0.00 | 0.00 | 1.8 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.561 | 11.235 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 197 | PT | 2 | 0.50 | 0.011 | 29.99 | 0.0 | 6.53 | 19.67 | 0.00 | 3.08 | 1.28 | 0.78 | 5.15 | 0.00 | 0.00 | 1.8 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.560 | 11.236 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 198 | PT | 2 | 0.40 | 0.011 | 29.99 | 0.0 | 6.65 | 19.62 | 0.00 | 3.08 | 1.27 | 0.79 | 5.15 | 0.00 | 0.00 | 1.7 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.560 | 11.236 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 199 | PT | 2 | 0.30 | 0.011 | 29.99 | 0.0 | 6.76 | 19.57 | 0.00 | 3.08 | 1.27 | 0.80 | 5.14 | 0.00 | 0.00 | 1.7 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.559 | 11.237 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 200 | PT | 2 | 0.20 | 0.011 | 30.00 | 0.0 | 6.84 | 19.53 | 0.00 | 3.08 | 1.26 | 0.80 | 5.14 | 0.00 | 0.00 | 1.6 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.559 | 11.238 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 201 | PT | 2 | 0.10 | 0.011 | 30.00 | 0.0 | 6.92 | 19.48 | 0.00 | 3.08 | 1.25 | 0.81 | 5.14 | 0.00 | 0.00 | 1.6 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.559 | 11.238 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 202 | PT | 2 | 0.00 | 0.011 | 30.00 | 0.0 | 6.98 | 19.43 | 0.00 | 3.08 | 1.24 | 0.82 | 5.14 | 0.00 | 0.00 | 1.5 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.559 | 11.238 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |

CAPSULE SUMMARY FOR East Pont.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | EP | 5 | 10.80 | 0.003 | 25.84 | 0.0 | 5.23 | 12.05 | 0.00 | 1.10 | 0.10 | 0.09 | 1.30 | 0.00 | 0.00 | 5.0 | 0.0 | 0.28 | 3.9 | 0.003 | 0.003 | 8.137 | 2.754 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.26 |
| 281 | EP | 5 | 10.70 | 0.003 | 25.88 | 0.0 | 4.52 | 11.67 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.9 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.131 | 2.749 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.27 |
| 282 | EP | 5 | 10.60 | 0.003 | 25.92 | 0.0 | 4.21 | 11.32 | 0.00 | 1.10 | 0.09 | 0.09 | 1.28 | 0.00 | 0.00 | 4.9 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.125 | 2.745 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.28 |
| 283 | EP | 5 | 10.50 | 0.003 | 25.95 | 0.0 | 4.07 | 11.00 | 0.00 | 1.09 | 0.09 | 0.09 | 1.27 | 0.00 | 0.00 | 4.9 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.120 | 2.740 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.29 |
| 284 | EP | 5 | 10.40 | 0.003 | 25.99 | 0.0 | 4.00 | 10.71 | 0.00 | 1.09 | 0.08 | 0.09 | 1.26 | 0.00 | 0.00 | 4.9 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.115 | 2.736 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.30 |
| 285 | EP | 5 | 10.30 | 0.003 | 26.03 | 0.0 | 3.97 | 10.44 | 0.00 | 1.09 | 0.08 | 0.09 | 1.25 | 0.00 | 0.00 | 4.8 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.109 | 2.732 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.30 |
| 286 | EP | 5 | 10.20 | 0.003 | 26.07 | 0.0 | 3.96 | 10.20 | 0.00 | 1.08 | 0.08 | 0.08 | 1.24 | 0.00 | 0.00 | 4.8 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.103 | 2.729 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.31 |
| 287 | EP | 5 | 10.10 | 0.004 | 26.11 | 0.0 | 3.95 | 9.97 | 0.00 | 1.08 | 0.07 | 0.08 | 1.24 | 0.00 | 0.00 | 4.8 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.097 | 2.726 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.32 |
| 288 | EP | 5 | 10.00 | 0.004 | 26.15 | 0.0 | 3.94 | 9.75 | 0.00 | 1.08 | 0.07 | 0.08 | 1.23 | 0.00 | 0.00 | 4.8 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.092 | 2.723 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.33 |
| 289 | EP | 5 | 9.90 | 0.004 | 26.19 | 0.0 | 3.94 | 9.56 | 0.00 | 1.08 | 0.07 | 0.08 | 1.22 | 0.00 | 0.00 | 4.7 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.086 | 2.720 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 3.34 |
| 290 | EP | 5 | 9.80 | 0.004 | 26.22 | 0.0 | 3.93 | 9.37 | 0.00 | 1.07 | 0.07 | 0.08 | 1.22 | 0.00 | 0.00 | 4.7 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.080 | 2.717 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.34 |
| 291 | EP | 5 | 9.70 | 0.004 | 26.26 | 0.0 | 3.93 | 9.20 | 0.00 | 1.07 | 0.07 | 0.08 | 1.21 | 0.00 | 0.00 | 4.7 | 0.0 | 0.30 | 3.9 | 0.003 | 0.003 | 8.075 | 2.715 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.35 |
| 292 | EP | 5 | 9.60 | 0.004 | 26.30 | 0.0 | 3.92 | 9.04 | 0.00 | 1.07 | 0.06 | 0.07 | 1.21 | 0.00 | 0.00 | 4.7 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.069 | 2.712 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.36 |
| 293 | EP | 5 | 9.50 | 0.004 | 26.34 | 0.0 | 3.92 | 8.89 | 0.00 | 1.07 | 0.06 | 0.07 | 1.20 | 0.00 | 0.00 | 4.6 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.063 | 2.710 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.37 |
| 294 | EP | 5 | 9.40 | 0.004 | 26.38 | 0.0 | 3.91 | 8.75 | 0.00 | 1.06 | 0.06 | 0.07 | 1.20 | 0.00 | 0.00 | 4.6 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.058 | 2.708 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.38 |
| 295 | EP | 5 | 9.30 | 0.004 | 26.42 | 0.0 | 3.91 | 8.62 | 0.00 | 1.06 | 0.06 | 0.07 | 1.19 | 0.00 | 0.00 | 4.6 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.052 | 2.706 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.39 |
| 296 | EP | 5 | 9.20 | 0.004 | 26.46 | 0.0 | 3.90 | 8.50 | 0.00 | 1.06 | 0.06 | 0.07 | 1.19 | 0.00 | 0.00 | 4.6 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.046 | 2.705 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.39 |
| 297 | EP | 5 | 9.10 | 0.004 | 26.49 | 0.0 | 3.90 | 8.39 | 0.00 | 1.06 | 0.06 | 0.07 | 1.19 | 0.00 | 0.00 | 4.5 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.041 | 2.703 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.40 |
| 298 | EP | 5 | 9.00 | 0.005 | 26.53 | 0.0 | 3.89 | 8.28 | 0.00 | 1.06 | 0.06 | 0.07 | 1.18 | 0.00 | 0.00 | 4.5 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.035 | 2.702 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.41 |
| 299 | EP | 5 | 8.90 | 0.005 | 26.57 | 0.0 | 3.89 | 8.18 | 0.00 | 1.06 | 0.06 | 0.06 | 1.18 | 0.00 | 0.00 | 4.5 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.030 | 2.700 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.42 |
| 300 | EP | 5 | 8.80 | 0.005 | 26.61 | 0.0 | 3.88 | 8.08 | 0.00 | 1.05 | 0.06 | 0.06 | 1.17 | 0.00 | 0.00 | 4.5 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.024 | 2.699 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 3.43 |
| 301 | EP | 5 | 8.70 | 0.005 | 26.65 | 0.0 | 3.87 | 7.99 | 0.00 | 1.05 | 0.06 | 0.06 | 1.17 | 0.00 | 0.00 | 4.4 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.019 | 2.698 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.43 |

WASTELOAD # 302 (LAG540869) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 302 | EP | 5 | 8.60 | 0.006 | 26.69 | 0.0 | 3.46 | 15.85 | 0.00 | 1.58 | 1.30 | 0.41 | 3.28 | 0.00 | 0.00 | 4.4 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 8.013 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.44 |
| 303 | EP | 5 | 8.50 | 0.006 | 26.72 | 0.0 | 3.37 | 15.47 | 0.00 | 1.57 | 1.19 | 0.47 | 3.23 | 0.00 | 0.00 | 4.4 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 8.007 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.45 |
| 304 | EP | 5 | 8.40 | 0.006 | 26.76 | 0.0 | 3.33 | 15.10 | 0.00 | 1.56 | 1.10 | 0.53 | 3.19 | 0.00 | 0.00 | 4.4 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 8.002 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.46 |
| 305 | EP | 5 | 8.30 | 0.006 | 26.80 | 0.0 | 3.32 | 14.75 | 0.00 | 1.55 | 1.02 | 0.57 | 3.14 | 0.00 | 0.00 | 4.3 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.996 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.47 |
| 306 | EP | 5 | 8.20 | 0.006 | 26.84 | 0.0 | 3.33 | 14.41 | 0.00 | 1.54 | 0.94 | 0.61 | 3.09 | 0.00 | 0.00 | 4.3 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.991 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.48 |
| 307 | EP | 5 | 8.10 | 0.006 | 26.88 | 0.0 | 3.35 | 14.08 | 0.00 | 1.53 | 0.87 | 0.64 | 3.04 | 0.00 | 0.00 | 4.3 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.986 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.49 |
| 308 | EP | 5 | 8.00 | 0.006 | 26.92 | 0.0 | 3.37 | 13.76 | 0.00 | 1.52 | 0.81 | 0.66 | 2.99 | 0.00 | 0.00 | 4.3 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.980 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.49 |
| 309 | EP | 5 | 7.90 | 0.006 | 26.96 | 0.0 | 3.39 | 13.46 | 0.00 | 1.51 | 0.75 | 0.68 | 2.94 | 0.00 | 0.00 | 4.2 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.974 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.50 |
| 310 | EP | 5 | 7.80 | 0.006 | 26.99 | 0.0 | 3.41 | 13.16 | 0.00 | 1.50 | 0.70 | 0.70 | 2.89 | 0.00 | 0.00 | 4.2 | 0.0 | 0.32 | 3.9 | 0.005 | 0.005 | 7.969 | 2.678 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 3.51 |
| 311 | EP | 5 | 7.70 | 0.007 | 27.03 | 0.0 | 3.43 | 12.88 | 0.00 | 1.49 | 0.65 | 0.71 | 2.85 | 0.00 | 0.00 | 4.2 | 0.0 | 0.32 | 3.9 | 0.005 | 0.005 | 7.963 | 2.678 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.52 |
| 312 | EP | 5 | 7.60 | 0.007 | 27.07 | 0.0 | 3.45 | 12.61 | 0.00 | 1.48 | 0.60 | 0.72 | 2.80 | 0.00 | 0.00 | 4.2 | 0.0 | 0.32 | 3.9 | 0.005 | 0.005 | 7.958 | 2.679 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.53 |
| 313 | EP | 5 | 7.50 | 0.007 | 27.11 | 0.0 | 3.47 | 12.35 | 0.00 | 1.48 | 0.56 | 0.72 | 2.76 | 0.00 | 0.00 | 4.1 | 0.0 | 0.32 | 3.9 | 0.005 | 0.005 | 7.952 | 2.679 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.54 |
| 314 | EP | 5 | 7.40 | 0.007 | 27.15 | 0.0 | 3.48 | 12.10 | 0.00 | 1.47 | 0.52 | 0.73 | 2.72 | 0.00 | 0.00 | 4.1 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.947 | 2.680 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.55 |
| 315 | EP | 5 | 7.30 | 0.007 | 27.19 | 0.0 | 3.50 | 11.86 | 0.00 | 1.46 | 0.49 | 0.73 | 2.68 | 0.00 | 0.00 | 4.1 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.942 | 2.680 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.55 |
| 316 | EP | 5 | 7.20 | 0.007 | 27.23 | 0.0 | 3.51 | 11.63 | 0.00 | 1.45 | 0.46 | 0.72 | 2.63 | 0.00 | 0.00 | 4.1 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.936 | 2.681 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.56 |
| 317 | EP | 5 | 7.10 | 0.007 | 27.26 | 0.0 | 3.52 | 11.41 | 0.00 | 1.45 | 0.43 | 0.72 | 2.60 | 0.00 | 0.00 | 4.0 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.931 | 2.682 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.57 |
| 318 | EP | 5 | 7.00 | 0.007 | 27.30 | 0.0 | 3.53 | 11.19 | 0.00 | 1.44 | 0.40 | 0.72 | 2.56 | 0.00 | 0.00 | 4.0 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.925 | 2.683 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.58 |

WASTELOAD # 319 (LAG532175) ENTERS HERE

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 319 | EP | 5 | 6.90 | 0.008 | 27.34 | 0.0 | 3.37 | 14.37 | 0.00 | 1.64 | 0.92 | 0.82 | 3.38 | 0.00 | 0.00 | 4.0 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.920 | 2.679 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.59 |
| 320 | EP | 5 | 6.80 | 0.008 | 27.38 | 0.0 | 3.34 | 14.09 | 0.00 | 1.63 | 0.86 | 0.83 | 3.33 | 0.00 | 0.00 | 4.0 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.914 | 2.680 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 3.60 |
| 321 | EP | 5 | 6.70 | 0.008 | 27.42 | 0.0 | 3.33 | 13.82 | 0.00 | 1.62 | 0.81 | 0.85 | 3.28 | 0.00 | 0.00 | 3.9 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.909 | 2.681 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.61 |
| 322 | EP | 5 | 6.60 | 0.008 | 27.46 | 0.0 | 3.32 | 13.55 | 0.00 | 1.62 | 0.76 | 0.86 | 3.23 | 0.00 | 0.00 | 3.9 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.903 | 2.682 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.61 |
| 323 | EP | 5 | 6.50 | 0.008 | 27.50 | 0.0 | 3.33 | 13.29 | 0.00 | 1.61 | 0.71 | 0.87 | 3.19 | 0.00 | 0.00 | 3.9 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.898 | 2.683 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.62 |
| 324 | EP | 5 | 6.40 | 0.008 | 27.53 | 0.0 | 3.34 | 13.04 | 0.00 | 1.60 | 0.67 | 0.88 | 3.14 | 0.00 | 0.00 | 3.9 | 0.0 | 0.32 | 3.9 | 0.007 | 0.007 | 7.892 | 2.685 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.63 |
| 325 | EP | 5 | 6.30 | 0.008 | 27.57 | 0.0 | 3.35 | 12.80 | 0.00 | 1.59 | 0.63 | 0.88 | 3.10 | 0.00 | 0.00 | 3.8 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.888 | 2.686 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.64 |
| 326 | EP | 5 | 6.20 | 0.008 | 27.61 | 0.0 | 3.36 | 12.57 | 0.00 | 1.58 | 0.59 | 0.88 | 3.06 | 0.00 | 0.00 | 3.8 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.882 | 2.687 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.65 |
| 327 | EP | 5 | 6.10 | 0.008 | 27.65 | 0.0 | 3.37 | 12.34 | 0.00 | 1.57 | 0.56 | 0.88 | 3.01 | 0.00 | 0.00 | 3.8 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.877 | 2.688 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.66 |
| 328 | EP | 5 | 6.00 | 0.009 | 27.69 | 0.0 | 3.38 | 12.13 | 0.00 | 1.57 | 0.53 | 0.88 | 2.97 | 0.00 | 0.00 | 3.8 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.871 | 2.690 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.67 |
| 329 | EP | 5 | 5.90 | 0.009 | 27.73 | 0.0 | 3.39 | 11.92 | 0.00 | 1.56 | 0.50 | 0.87 | 2.93 | 0.00 | 0.00 | 3.7 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.866 | 2.691 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.68 |
| 330 | EP | 5 | 5.80 | 0.009 | 27.77 | 0.0 | 3.40 | 11.71 | 0.00 | 1.55 | 0.47 | 0.87 | 2.89 | 0.00 | 0.00 | 3.7 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.860 | 2.693 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 3.69 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 331 | EP | 5 | 5.70 | 0.009 | 27.80 | 0.0 | 3.41 | 11.51 | 0.00 | 1.54 | 0.45 | 0.86 | 2.85 | 0.00 | 0.00 | 3.7 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.855 | 2.694 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.69 |
| 332 | EP | 5 | 5.60 | 0.009 | 27.84 | 0.0 | 3.42 | 11.32 | 0.00 | 1.54 | 0.42 | 0.86 | 2.82 | 0.00 | 0.00 | 3.7 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.849 | 2.696 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.70 |
| WASTELOAD # 333 (Grp6-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 333 | EP | 5 | 5.50 | 0.009 | 27.88 | 0.0 | 3.40 | 11.84 | 0.00 | 1.58 | 0.51 | 0.86 | 2.95 | 0.00 | 0.00 | 3.6 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.844 | 2.697 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.71 |
| 334 | EP | 5 | 5.40 | 0.009 | 27.92 | 0.0 | 3.39 | 11.64 | 0.00 | 1.57 | 0.48 | 0.86 | 2.91 | 0.00 | 0.00 | 3.6 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.839 | 2.698 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.72 |
| 335 | EP | 5 | 5.30 | 0.009 | 27.96 | 0.0 | 3.39 | 11.46 | 0.00 | 1.56 | 0.45 | 0.85 | 2.87 | 0.00 | 0.00 | 3.6 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.833 | 2.700 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.73 |
| 336 | EP | 5 | 5.20 | 0.009 | 28.00 | 0.0 | 3.39 | 11.27 | 0.00 | 1.56 | 0.43 | 0.85 | 2.83 | 0.00 | 0.00 | 3.6 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.828 | 2.702 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.74 |
| 337 | EP | 5 | 5.10 | 0.009 | 28.03 | 0.0 | 3.40 | 11.10 | 0.00 | 1.55 | 0.41 | 0.84 | 2.80 | 0.00 | 0.00 | 3.5 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.823 | 2.703 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.75 |
| 338 | EP | 5 | 5.00 | 0.010 | 28.07 | 0.0 | 3.40 | 10.93 | 0.00 | 1.54 | 0.39 | 0.84 | 2.76 | 0.00 | 0.00 | 3.5 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.818 | 2.705 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.76 |
| 339 | EP | 5 | 4.90 | 0.010 | 28.11 | 0.0 | 3.40 | 10.76 | 0.00 | 1.54 | 0.37 | 0.83 | 2.73 | 0.00 | 0.00 | 3.5 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.812 | 2.707 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.77 |
| WASTELOAD # 340 (Grp7-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | EP | 5 | 4.80 | 0.010 | 28.15 | 0.0 | 3.34 | 12.05 | 0.00 | 1.62 | 0.58 | 0.86 | 3.06 | 0.00 | 0.00 | 3.5 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.807 | 2.708 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 3.78 |
| 341 | EP | 5 | 4.70 | 0.010 | 28.19 | 0.0 | 3.33 | 11.87 | 0.00 | 1.61 | 0.55 | 0.86 | 3.02 | 0.00 | 0.00 | 3.4 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.801 | 2.710 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 3.79 |
| 342 | EP | 5 | 4.60 | 0.010 | 28.23 | 0.0 | 3.32 | 11.69 | 0.00 | 1.60 | 0.52 | 0.86 | 2.99 | 0.00 | 0.00 | 3.4 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.796 | 2.712 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 3.79 |
| 343 | EP | 5 | 4.50 | 0.010 | 28.27 | 0.0 | 3.32 | 11.51 | 0.00 | 1.60 | 0.50 | 0.86 | 2.95 | 0.00 | 0.00 | 3.4 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.791 | 2.713 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 3.80 |
| 344 | EP | 5 | 4.40 | 0.010 | 28.30 | 0.0 | 3.32 | 11.34 | 0.00 | 1.59 | 0.47 | 0.85 | 2.92 | 0.00 | 0.00 | 3.4 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.786 | 2.715 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 3.81 |
| 345 | EP | 5 | 4.30 | 0.010 | 28.34 | 0.0 | 3.32 | 11.18 | 0.00 | 1.58 | 0.45 | 0.85 | 2.88 | 0.00 | 0.00 | 3.3 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.781 | 2.717 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 3.82 |
| 346 | EP | 5 | 4.20 | 0.011 | 28.38 | 0.0 | 3.32 | 11.02 | 0.00 | 1.58 | 0.43 | 0.85 | 2.85 | 0.00 | 0.00 | 3.3 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.775 | 2.719 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 3.83 |
| 347 | EP | 5 | 4.10 | 0.011 | 28.42 | 0.0 | 3.32 | 10.86 | 0.00 | 1.57 | 0.41 | 0.84 | 2.82 | 0.00 | 0.00 | 3.3 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.769 | 2.721 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 3.84 |
| 348 | EP | 5 | 4.00 | 0.011 | 28.46 | 0.0 | 3.33 | 10.71 | 0.00 | 1.56 | 0.39 | 0.83 | 2.79 | 0.00 | 0.00 | 3.3 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.764 | 2.723 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 3.85 |
| 349 | EP | 5 | 3.90 | 0.011 | 28.50 | 0.0 | 3.33 | 10.56 | 0.00 | 1.56 | 0.37 | 0.83 | 2.76 | 0.00 | 0.00 | 3.2 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.759 | 2.725 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 3.86 |

CAPSULE SUMMARY FOR East Pont.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | EP | 5 | 3.80 | 0.011 | 28.54 | 0.0 | 3.33 | 10.42 | 0.00 | 1.55 | 0.35 | 0.82 | 2.73 | 0.00 | 0.00 | 3.2 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.754 | 2.727 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 3.87 |
| 351 | EP | 5 | 3.70 | 0.011 | 28.57 | 0.0 | 3.33 | 10.28 | 0.00 | 1.55 | 0.34 | 0.81 | 2.70 | 0.00 | 0.00 | 3.2 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.748 | 2.729 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 3.88 |
| 352 | EP | 5 | 3.60 | 0.011 | 28.61 | 0.0 | 3.34 | 10.14 | 0.00 | 1.54 | 0.32 | 0.80 | 2.67 | 0.00 | 0.00 | 3.2 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.743 | 2.731 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 3.89 |
| 353 | EP | 5 | 3.50 | 0.011 | 28.65 | 0.0 | 3.34 | 10.01 | 0.00 | 1.54 | 0.31 | 0.80 | 2.64 | 0.00 | 0.00 | 3.1 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.738 | 2.733 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 3.90 |
| 354 | EP | 5 | 3.40 | 0.011 | 28.69 | 0.0 | 3.34 | 9.88 | 0.00 | 1.53 | 0.29 | 0.79 | 2.61 | 0.00 | 0.00 | 3.1 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.733 | 2.735 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 3.91 |
| 355 | EP | 5 | 3.30 | 0.011 | 28.73 | 0.0 | 3.34 | 9.75 | 0.00 | 1.52 | 0.28 | 0.78 | 2.58 | 0.00 | 0.00 | 3.1 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.727 | 2.737 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 3.92 |
| 356 | EP | 5 | 3.20 | 0.011 | 28.77 | 0.0 | 3.34 | 9.63 | 0.00 | 1.52 | 0.27 | 0.77 | 2.56 | 0.00 | 0.00 | 3.1 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.723 | 2.739 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 3.93 |
| 357 | EP | 5 | 3.10 | 0.012 | 28.81 | 0.0 | 3.34 | 9.52 | 0.00 | 1.51 | 0.26 | 0.76 | 2.53 | 0.00 | 0.00 | 3.0 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.717 | 2.741 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 3.93 |
| WASTELOAD # 358 (Grp8-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 358 | EP | 5 | 3.00 | 0.015 | 28.84 | 0.0 | 3.14 | 17.80 | 0.00 | 1.96 | 1.65 | 1.06 | 4.66 | 0.00 | 0.00 | 3.0 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.712 | 2.758 | 0.05 | 0.04 | 0.00 | 0.00 | 0.36 | 3.94 |
| 359 | EP | 5 | 2.90 | 0.015 | 28.88 | 0.0 | 3.01 | 17.57 | 0.00 | 1.95 | 1.58 | 1.09 | 4.63 | 0.00 | 0.00 | 3.0 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.707 | 2.761 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 3.95 |
| 360 | EP | 5 | 2.80 | 0.015 | 28.92 | 0.0 | 2.92 | 17.34 | 0.00 | 1.94 | 1.52 | 1.13 | 4.59 | 0.00 | 0.00 | 3.0 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.701 | 2.763 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 3.96 |
| 361 | EP | 5 | 2.70 | 0.015 | 28.96 | 0.0 | 2.86 | 17.12 | 0.00 | 1.94 | 1.45 | 1.16 | 4.55 | 0.00 | 0.00 | 2.9 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.696 | 2.766 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 3.97 |
| 362 | EP | 5 | 2.60 | 0.015 | 29.00 | 0.0 | 2.82 | 16.90 | 0.00 | 1.93 | 1.39 | 1.18 | 4.51 | 0.00 | 0.00 | 2.9 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.691 | 2.768 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 3.98 |
| 363 | EP | 5 | 2.50 | 0.015 | 29.04 | 0.0 | 2.79 | 16.68 | 0.00 | 1.92 | 1.34 | 1.21 | 4.47 | 0.00 | 0.00 | 2.9 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.686 | 2.771 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 3.99 |
| 364 | EP | 5 | 2.40 | 0.015 | 29.08 | 0.0 | 2.78 | 16.46 | 0.00 | 1.91 | 1.28 | 1.23 | 4.43 | 0.00 | 0.00 | 2.9 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.681 | 2.773 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 4.00 |
| 365 | EP | 5 | 2.30 | 0.015 | 29.11 | 0.0 | 2.77 | 16.25 | 0.00 | 1.91 | 1.23 | 1.25 | 4.39 | 0.00 | 0.00 | 2.8 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.676 | 2.776 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 4.01 |
| 366 | EP | 5 | 2.20 | 0.015 | 29.15 | 0.0 | 2.77 | 16.04 | 0.00 | 1.90 | 1.18 | 1.27 | 4.35 | 0.00 | 0.00 | 2.8 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.671 | 2.778 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 4.02 |
| 367 | EP | 5 | 2.10 | 0.015 | 29.19 | 0.0 | 2.78 | 15.84 | 0.00 | 1.89 | 1.13 | 1.28 | 4.31 | 0.00 | 0.00 | 2.8 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.665 | 2.781 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 4.03 |
| 368 | EP | 5 | 2.00 | 0.016 | 29.23 | 0.0 | 2.78 | 15.63 | 0.00 | 1.89 | 1.09 | 1.30 | 4.27 | 0.00 | 0.00 | 2.8 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.660 | 2.784 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 4.04 |
| 369 | EP | 5 | 1.90 | 0.016 | 29.27 | 0.0 | 2.79 | 15.43 | 0.00 | 1.88 | 1.05 | 1.31 | 4.23 | 0.00 | 0.00 | 2.7 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.655 | 2.786 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 4.05 |
| 370 | EP | 5 | 1.80 | 0.016 | 29.31 | 0.0 | 2.80 | 15.24 | 0.00 | 1.87 | 1.00 | 1.32 | 4.20 | 0.00 | 0.00 | 2.7 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.650 | 2.789 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 4.06 |
| 371 | EP | 5 | 1.70 | 0.016 | 29.34 | 0.0 | 2.82 | 15.04 | 0.00 | 1.87 | 0.96 | 1.33 | 4.16 | 0.00 | 0.00 | 2.7 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.645 | 2.791 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 4.07 |
| 372 | EP | 5 | 1.60 | 0.016 | 29.38 | 0.0 | 2.83 | 14.85 | 0.00 | 1.86 | 0.93 | 1.33 | 4.12 | 0.00 | 0.00 | 2.7 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.640 | 2.794 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 4.08 |
| 373 | EP | 5 | 1.50 | 0.016 | 29.42 | 0.0 | 2.84 | 14.67 | 0.00 | 1.85 | 0.89 | 1.34 | 4.08 | 0.00 | 0.00 | 2.6 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.634 | 2.797 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 4.09 |
| 374 | EP | 5 | 1.40 | 0.016 | 29.46 | 0.0 | 2.85 | 14.48 | 0.00 | 1.85 | 0.86 | 1.34 | 4.05 | 0.00 | 0.00 | 2.6 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.629 | 2.800 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 4.10 |
| 375 | EP | 5 | 1.30 | 0.016 | 29.50 | 0.0 | 2.87 | 14.30 | 0.00 | 1.84 | 0.82 | 1.34 | 4.01 | 0.00 | 0.00 | 2.6 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.624 | 2.802 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 4.11 |
| 376 | EP | 5 | 1.20 | 0.016 | 29.54 | 0.0 | 2.88 | 14.12 | 0.00 | 1.84 | 0.79 | 1.35 | 3.97 | 0.00 | 0.00 | 2.6 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.620 | 2.805 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 4.12 |
| 377 | EP | 5 | 1.10 | 0.016 | 29.58 | 0.0 | 2.89 | 13.95 | 0.00 | 1.83 | 0.76 | 1.35 | 3.94 | 0.00 | 0.00 | 2.5 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.614 | 2.808 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 4.13 |
| 378 | EP | 5 | 1.00 | 0.016 | 29.61 | 0.0 | 2.90 | 13.77 | 0.00 | 1.82 | 0.73 | 1.35 | 3.90 | 0.00 | 0.00 | 2.5 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.609 | 2.810 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 4.14 |
| 379 | EP | 5 | 0.90 | 0.017 | 29.65 | 0.0 | 2.91 | 13.61 | 0.00 | 1.82 | 0.71 | 1.34 | 3.87 | 0.00 | 0.00 | 2.5 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.604 | 2.813 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 4.15 |
| 380 | EP | 5 | 0.80 | 0.017 | 29.69 | 0.0 | 2.92 | 13.44 | 0.00 | 1.81 | 0.68 | 1.34 | 3.83 | 0.00 | 0.00 | 2.5 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.599 | 2.816 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 4.16 |
| 381 | EP | 5 | 0.70 | 0.017 | 29.73 | 0.0 | 2.93 | 13.28 | 0.00 | 1.81 | 0.65 | 1.34 | 3.80 | 0.00 | 0.00 | 2.4 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.594 | 2.818 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 4.17 |
| 382 | EP | 5 | 0.60 | 0.017 | 29.77 | 0.0 | 2.94 | 13.12 | 0.00 | 1.80 | 0.63 | 1.33 | 3.76 | 0.00 | 0.00 | 2.4 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.589 | 2.821 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 4.18 |
| 383 | EP | 5 | 0.50 | 0.017 | 29.81 | 0.0 | 2.95 | 12.96 | 0.00 | 1.80 | 0.61 | 1.33 | 3.73 | 0.00 | 0.00 | 2.4 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.584 | 2.824 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 4.19 |
| 384 | EP | 5 | 0.40 | 0.017 | 29.85 | 0.0 | 2.96 | 12.80 | 0.00 | 1.79 | 0.58 | 1.32 | 3.70 | 0.00 | 0.00 | 2.4 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.579 | 2.826 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 4.20 |
| 385 | EP | 5 | 0.30 | 0.017 | 29.88 | 0.0 | 2.97 | 12.65 | 0.00 | 1.79 | 0.56 | 1.32 | 3.66 | 0.00 | 0.00 | 2.3 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.574 | 2.829 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 4.21 |
| 386 | EP | 5 | 0.20 | 0.017 | 29.92 | 0.0 | 2.97 | 12.50 | 0.00 | 1.78 | 0.54 | 1.31 | 3.63 | 0.00 | 0.00 | 2.3 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.568 | 2.832 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 4.22 |
| 387 | EP | 5 | 0.10 | 0.017 | 29.96 | 0.0 | 2.98 | 12.36 | 0.00 | 1.77 | 0.52 | 1.30 | 3.60 | 0.00 | 0.00 | 2.3 | 0.0 | 0.36 | 3.9 | 0.013 | 0.013 | 7.564 | 2.834 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 4.23 |
| 388 | EP | 5 | 0.00 | 0.017 | 30.00 | 0.0 | 2.99 | 12.21 | 0.00 | 1.77 | 0.50 | 1.30 | 3.57 | 0.00 | 0.00 | 2.2 | 0.0 | 0.36 | 3.9 | 0.013 | 0.013 | 7.559 | 2.837 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 4.24 |

CAPSULE SUMMARY FOR Arnold's Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | AC | 7 | 7.30 | 0.003 | 33.90 | 0.0 | 6.10 | 22.07 | 0.00 | 0.93 | 0.40 | 0.23 | 1.56 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 488 | AC | 7 | 7.20 | 0.003 | 33.90 | 0.0 | 5.91 | 20.59 | 0.00 | 0.93 | 0.30 | 0.24 | 1.46 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 489 | AC | 7 | 7.10 | 0.003 | 33.90 | 0.0 | 5.91 | 19.20 | 0.00 | 0.92 | 0.22 | 0.22 | 1.36 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 490 | AC | 7 | 7.00 | 0.003 | 33.90 | 0.0 | 5.95 | 17.92 | 0.00 | 0.91 | 0.17 | 0.19 | 1.27 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 491 | AC | 7 | 6.90 | 0.003 | 33.90 | 0.0 | 6.01 | 16.73 | 0.00 | 0.90 | 0.13 | 0.15 | 1.18 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 492 | AC | 7 | 6.80 | 0.003 | 33.90 | 0.0 | 6.06 | 15.63 | 0.00 | 0.89 | 0.10 | 0.10 | 1.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 493 | AC | 7 | 6.70 | 0.003 | 33.90 | 0.0 | 6.10 | 14.62 | 0.00 | 0.89 | 0.08 | 0.05 | 1.02 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 494 | AC | 7 | 6.60 | 0.003 | 33.90 | 0.0 | 6.13 | 13.69 | 0.00 | 0.88 | 0.06 | 0.01 | 0.95 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 495 | AC | 7 | 6.50 | 0.003 | 33.90 | 0.0 | 6.16 | 12.82 | 0.00 | 0.87 | 0.05 | 0.00 | 0.92 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 496 | AC | 7 | 6.40 | 0.003 | 33.90 | 0.0 | 6.19 | 12.00 | 0.00 | 0.86 | 0.04 | 0.00 | 0.91 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 497 | AC | 7 | 6.30 | 0.003 | 33.90 | 0.0 | 6.21 | 11.24 | 0.00 | 0.86 | 0.04 | 0.00 | 0.89 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 498 | AC | 7 | 6.20 | 0.003 | 33.90 | 0.0 | 6.23 | 10.53 | 0.00 | 0.85 | 0.03 | 0.00 | 0.88 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| WASTELOAD # 499 (LAG750157) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 499 | AC | 7 | 6.10 | 0.003 | 33.90 | 0.0 | 6.13 | 9.33 | 0.00 | 0.79 | 0.03 | 0.00 | 0.82 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 500 | AC | 7 | 6.00 | 0.003 | 33.90 | 0.0 | 6.23 | 8.77 | 0.00 | 0.79 | 0.03 | 0.00 | 0.81 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 501 | AC | 7 | 5.90 | 0.003 | 33.90 | 0.0 | 6.28 | 8.24 | 0.00 | 0.78 | 0.02 | 0.00 | 0.80 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 502 | AC | 7 | 5.80 | 0.003 | 33.90 | 0.0 | 6.30 | 7.74 | 0.00 | 0.77 | 0.02 | 0.00 | 0.80 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 503 | AC | 7 | 5.70 | 0.003 | 33.90 | 0.0 | 6.31 | 7.27 | 0.00 | 0.77 | 0.02 | 0.00 | 0.79 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 504 | AC | 7 | 5.60 | 0.003 | 33.90 | 0.0 | 6.32 | 6.83 | 0.00 | 0.76 | 0.02 | 0.00 | 0.78 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 505 | AC | 7 | 5.50 | 0.003 | 33.90 | 0.0 | 6.33 | 6.42 | 0.00 | 0.75 | 0.02 | 0.00 | 0.77 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 506 | AC | 7 | 5.40 | 0.003 | 33.90 | 0.0 | 6.34 | 6.03 | 0.00 | 0.75 | 0.02 | 0.00 | 0.77 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 507 | AC | 7 | 5.30 | 0.003 | 33.90 | 0.0 | 6.35 | 5.67 | 0.00 | 0.74 | 0.02 | 0.00 | 0.76 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 508 | AC | 7 | 5.20 | 0.003 | 33.90 | 0.0 | 6.36 | 5.33 | 0.00 | 0.74 | 0.02 | 0.00 | 0.75 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 509 | AC | 7 | 5.10 | 0.003 | 33.90 | 0.0 | 6.37 | 5.00 | 0.00 | 0.73 | 0.02 | 0.00 | 0.75 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 510 | AC | 7 | 5.00 | 0.003 | 33.90 | 0.0 | 6.37 | 4.70 | 0.00 | 0.72 | 0.02 | 0.00 | 0.74 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 511 | AC | 7 | 4.90 | 0.003 | 33.90 | 0.0 | 6.38 | 4.42 | 0.00 | 0.72 | 0.02 | 0.00 | 0.73 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 512 | AC | 7 | 4.80 | 0.003 | 33.90 | 0.0 | 6.38 | 4.15 | 0.00 | 0.71 | 0.02 | 0.00 | 0.73 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 513 | AC | 7 | 4.70 | 0.003 | 33.90 | 0.0 | 6.39 | 3.90 | 0.00 | 0.70 | 0.02 | 0.00 | 0.72 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 514 | AC | 7 | 4.60 | 0.003 | 33.90 | 0.0 | 6.39 | 3.66 | 0.00 | 0.70 | 0.02 | 0.00 | 0.72 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 515 | AC | 7 | 4.50 | 0.003 | 33.90 | 0.0 | 6.40 | 3.44 | 0.00 | 0.69 | 0.02 | 0.00 | 0.71 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 516 | AC | 7 | 4.40 | 0.003 | 33.90 | 0.0 | 6.40 | 3.24 | 0.00 | 0.69 | 0.02 | 0.00 | 0.70 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 517 | AC | 7 | 4.30 | 0.003 | 33.90 | 0.0 | 6.41 | 3.04 | 0.00 | 0.68 | 0.02 | 0.00 | 0.70 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 518 | AC | 7 | 4.20 | 0.003 | 33.90 | 0.0 | 6.41 | 2.86 | 0.00 | 0.68 | 0.02 | 0.00 | 0.69 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 519 | AC | 7 | 4.10 | 0.003 | 33.90 | 0.0 | 6.42 | 2.68 | 0.00 | 0.67 | 0.02 | 0.00 | 0.69 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 520 | AC | 7 | 4.00 | 0.003 | 33.90 | 0.0 | 6.42 | 2.52 | 0.00 | 0.66 | 0.02 | 0.00 | 0.68 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 521 | AC | 7 | 3.90 | 0.003 | 33.90 | 0.0 | 6.42 | 2.37 | 0.00 | 0.66 | 0.02 | 0.00 | 0.68 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 522 | AC | 7 | 3.80 | 0.003 | 33.90 | 0.0 | 6.43 | 2.23 | 0.00 | 0.65 | 0.02 | 0.00 | 0.67 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 523 | AC | 7 | 3.70 | 0.003 | 33.90 | 0.0 | 6.43 | 2.09 | 0.00 | 0.65 | 0.02 | 0.00 | 0.66 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 524 | AC | 7 | 3.60 | 0.003 | 33.90 | 0.0 | 6.43 | 1.97 | 0.00 | 0.64 | 0.02 | 0.00 | 0.66 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 525 | AC | 7 | 3.50 | 0.003 | 33.90 | 0.0 | 6.43 | 1.85 | 0.00 | 0.64 | 0.02 | 0.00 | 0.65 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 526 | AC | 7 | 3.40 | 0.003 | 33.90 | 0.0 | 6.44 | 1.74 | 0.00 | 0.63 | 0.02 | 0.00 | 0.65 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 527 | AC | 7 | 3.30 | 0.003 | 33.90 | 0.0 | 6.44 | 1.63 | 0.00 | 0.63 | 0.02 | 0.00 | 0.64 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 528 | AC | 7 | 3.20 | 0.003 | 33.90 | 0.0 | 6.44 | 1.53 | 0.00 | 0.62 | 0.02 | 0.00 | 0.64 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 529 | AC | 7 | 3.10 | 0.003 | 33.90 | 0.0 | 6.44 | 1.44 | 0.00 | 0.62 | 0.02 | 0.00 | 0.63 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 530 | AC | 7 | 3.00 | 0.003 | 33.90 | 0.0 | 6.45 | 1.35 | 0.00 | 0.61 | 0.02 | 0.00 | 0.63 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 531 | AC | 7 | 2.90 | 0.003 | 33.90 | 0.0 | 6.45 | 1.27 | 0.00 | 0.61 | 0.01 | 0.00 | 0.62 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 532 | AC | 7 | 2.80 | 0.003 | 33.90 | 0.0 | 6.45 | 1.19 | 0.00 | 0.60 | 0.01 | 0.00 | 0.62 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 533 | AC | 7 | 2.70 | 0.003 | 33.90 | 0.0 | 6.45 | 1.12 | 0.00 | 0.60 | 0.01 | 0.00 | 0.61 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| WASTELOAD # 534 (LAG540662) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 534 | AC | 7 | 2.60 | 0.003 | 33.90 | 0.0 | 6.44 | 1.05 | 0.00 | 0.59 | 0.01 | 0.00 | 0.60 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 535 | AC | 7 | 2.50 | 0.003 | 33.90 | 0.0 | 6.45 | 0.98 | 0.00 | 0.58 | 0.01 | 0.00 | 0.60 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 536 | AC | 7 | 2.40 | 0.003 | 33.90 | 0.0 | 6.45 | 0.93 | 0.00 | 0.58 | 0.01 | 0.00 | 0.59 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 537 | AC | 7 | 2.30 | 0.003 | 33.90 | 0.0 | 6.46 | 0.87 | 0.00 | 0.57 | 0.01 | 0.00 | 0.59 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 538 | AC | 7 | 2.20 | 0.003 | 33.90 | 0.0 | 6.46 | 0.82 | 0.00 | 0.57 | 0.01 | 0.00 | 0.58 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 539 | AC | 7 | 2.10 | 0.003 | 33.90 | 0.0 | 6.46 | 0.77 | 0.00 | 0.56 | 0.01 | 0.00 | 0.58 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 540 | AC | 7 | 2.00 | 0.003 | 33.90 | 0.0 | 6.46 | 0.72 | 0.00 | 0.56 | 0.01 | 0.00 | 0.57 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 541 | AC | 7 | 1.90 | 0.003 | 33.90 | 0.0 | 6.46 | 0.68 | 0.00 | 0.55 | 0.01 | 0.00 | 0.57 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 542 | AC | 7 | 1.80 | 0.003 | 33.90 | 0.0 | 6.46 | 0.64 | 0.00 | 0.55 | 0.01 | 0.00 | 0.56 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 543 | AC | 7 | 1.70 | 0.003 | 33.90 | 0.0 | 6.46 | 0.60 | 0.00 | 0.54 | 0.01 | 0.00 | 0.56 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 544 | AC | 7 | 1.60 | 0.003 | 33.90 | 0.0 | 6.46 | 0.56 | 0.00 | 0.54 | 0.01 | 0.00 | 0.55 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 545 | AC | 7 | 1.50 | 0.003 | 33.90 | 0.0 | 6.46 | 0.53 | 0.00 | 0.54 | 0.01 | 0.00 | 0.55 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| WASTELOAD # 546 (LAG531467) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 546 | AC | 7 | 1.40 | 0.003 | 33.90 | 0.0 | 5.67 | 8.40 | 0.00 | 1.07 | 0.95 | 0.03 | 2.05 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 547 | AC | 7 | 1.30 | 0.003 | 33.90 | 0.0 | 5.70 | 7.90 | 0.00 | 1.06 | 0.73 | 0.18 | 1.97 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 548 | AC | 7 | 1.20 | 0.003 | 33.90 | 0.0 | 5.80 | 7.40 | 0.00 | 1.06 | 0.56 | 0.27 | 1.89 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 549 | AC | 7 | 1.10 | 0.003 | 33.90 | 0.0 | 5.91 | 6.91 | 0.00 | 1.05 | 0.43 | 0.31 | 1.79 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 550 | AC | 7 | 1.00 | 0.003 | 33.90 | 0.0 | 6.01 | 6.45 | 0.00 | 1.04 | 0.34 | 0.32 | 1.70 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 551 | AC | 7 | 0.90 | 0.003 | 33.90 | 0.0 | 6.10 | 6.01 | 0.00 | 1.03 | 0.26 | 0.31 | 1.61 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 552 | AC | 7 | 0.80 | 0.003 | 33.90 | 0.0 | 6.16 | 5.61 | 0.00 | 1.03 | 0.21 | 0.28 | 1.52 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 553 | AC | 7 | 0.70 | 0.003 | 33.90 | 0.0 | 6.22 | 5.23 | 0.00 | 1.02 | 0.16 | 0.25 | 1.43 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 554 | AC | 7 | 0.60 | 0.003 | 33.90 | 0.0 | 6.26 | 4.89 | 0.00 | 1.01 | 0.13 | 0.21 | 1.35 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 555 | AC | 7 | 0.50 | 0.003 | 33.90 | 0.0 | 6.29 | 4.58 | 0.00 | 1.00 | 0.11 | 0.16 | 1.27 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 556 | AC | 7 | 0.40 | 0.003 | 33.90 | 0.0 | 6.32 | 4.30 | 0.00 | 0.99 | 0.09 | 0.12 | 1.20 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 557 | AC | 7 | 0.30 | 0.003 | 33.90 | 0.0 | 6.34 | 4.05 | 0.00 | 0.99 | 0.07 | 0.07 | 1.13 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |

CAPSULE SUMMARY FOR Arnold's Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 558 | AC 7 | 0.20 | 0.003 | 33.90 | 0.0 | 6.36 | 3.83 | 0.00 | 0.98 | 0.06 | 0.03 | 1.07 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 559 | AC 7 | 0.10 | 0.003 | 33.90 | 0.0 | 6.37 | 3.62 | 0.00 | 0.97 | 0.05 | 0.00 | 1.02 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |
| 560 | AC 7 | 0.00 | 0.003 | 33.90 | 0.0 | 6.38 | 3.43 | 0.00 | 0.97 | 0.04 | 0.00 | 1.01 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 1.20 |

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 1 Pontchatoula (Head to PTS) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 0.00283 | 30.00 | 0.00 | 0.00 | 0.00 | 6.85 | 15.84 | 0.00 | 16.00 | 0.00 | 1.29 | 0.30 | 0.07 | 0.00 | 1.50 | 0.00 | 0.00 |
| 21 | WSTLD | 0.00004 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | WSTLD | 0.00120 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 71.50 | 0.00 | 71.50 | 0.00 | 5.20 | 10.36 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | WSTLD | 0.00120 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 71.50 | 0.00 | 71.50 | 0.00 | 5.20 | 10.36 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | WSTLD | 0.00105 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.60 | 40.50 | 0.00283 | 0.0 | 0.00303 | 0.38 | 0.38 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 2 | 40.50 | 40.40 | 0.00283 | 0.0 | 0.00303 | 0.38 | 0.76 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 3 | 40.40 | 40.30 | 0.00283 | 0.0 | 0.00303 | 0.38 | 1.14 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 4 | 40.30 | 40.20 | 0.00283 | 0.0 | 0.00303 | 0.38 | 1.53 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 5 | 40.20 | 40.10 | 0.00283 | 0.0 | 0.00303 | 0.38 | 1.91 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 6 | 40.10 | 40.00 | 0.00283 | 0.0 | 0.00303 | 0.38 | 2.29 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 7 | 40.00 | 39.90 | 0.00283 | 0.0 | 0.00303 | 0.38 | 2.67 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 8 | 39.90 | 39.80 | 0.00283 | 0.0 | 0.00303 | 0.38 | 3.05 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 9 | 39.80 | 39.70 | 0.00283 | 0.0 | 0.00303 | 0.38 | 3.43 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 10 | 39.70 | 39.60 | 0.00283 | 0.0 | 0.00303 | 0.38 | 3.81 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 11 | 39.60 | 39.50 | 0.00283 | 0.0 | 0.00303 | 0.38 | 4.20 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 12 | 39.50 | 39.40 | 0.00283 | 0.0 | 0.00303 | 0.38 | 4.58 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 13 | 39.40 | 39.30 | 0.00283 | 0.0 | 0.00303 | 0.38 | 4.96 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 14 | 39.30 | 39.20 | 0.00283 | 0.0 | 0.00303 | 0.38 | 5.34 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 15 | 39.20 | 39.10 | 0.00283 | 0.0 | 0.00303 | 0.38 | 5.72 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 16 | 39.10 | 39.00 | 0.00283 | 0.0 | 0.00303 | 0.38 | 6.10 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 17 | 39.00 | 38.90 | 0.00283 | 0.0 | 0.00303 | 0.38 | 6.48 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 18 | 38.90 | 38.80 | 0.00283 | 0.0 | 0.00303 | 0.38 | 6.87 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 19 | 38.80 | 38.70 | 0.00283 | 0.0 | 0.00303 | 0.38 | 7.25 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 20 | 38.70 | 38.60 | 0.00283 | 0.0 | 0.00303 | 0.38 | 7.63 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 21 | 38.60 | 38.50 | 0.00287 | 1.4 | 0.00307 | 0.38 | 8.00 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 22 | 38.50 | 38.40 | 0.00287 | 1.4 | 0.00307 | 0.38 | 8.38 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 23 | 38.40 | 38.30 | 0.00287 | 1.4 | 0.00307 | 0.38 | 8.76 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 24 | 38.30 | 38.20 | 0.00287 | 1.4 | 0.00307 | 0.38 | 9.13 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 25 | 38.20 | 38.10 | 0.00287 | 1.4 | 0.00307 | 0.38 | 9.51 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 26 | 38.10 | 38.00 | 0.00287 | 1.4 | 0.00307 | 0.38 | 9.89 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 27 | 38.00 | 37.90 | 0.00287 | 1.4 | 0.00307 | 0.38 | 10.27 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 28 | 37.90 | 37.80 | 0.00287 | 1.4 | 0.00307 | 0.38 | 10.64 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 29 | 37.80 | 37.70 | 0.00287 | 1.4 | 0.00307 | 0.38 | 11.02 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 30 | 37.70 | 37.60 | 0.00287 | 1.4 | 0.00307 | 0.38 | 11.40 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 31 | 37.60 | 37.50 | 0.00287 | 1.4 | 0.00307 | 0.38 | 11.77 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 32 | 37.50 | 37.40 | 0.00287 | 1.4 | 0.00307 | 0.38 | 12.15 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 33 | 37.40 | 37.30 | 0.00287 | 1.4 | 0.00307 | 0.38 | 12.53 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 34 | 37.30 | 37.20 | 0.00287 | 1.4 | 0.00307 | 0.38 | 12.90 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 35 | 37.20 | 37.10 | 0.00287 | 1.4 | 0.00307 | 0.38 | 13.28 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 36 | 37.10 | 37.00 | 0.00287 | 1.4 | 0.00307 | 0.38 | 13.66 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 37 | 37.00 | 36.90 | 0.00287 | 1.4 | 0.00307 | 0.38 | 14.03 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 38 | 36.90 | 36.80 | 0.00287 | 1.4 | 0.00307 | 0.38 | 14.41 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 39 | 36.80 | 36.70 | 0.00287 | 1.4 | 0.00307 | 0.38 | 14.79 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 40 | 36.70 | 36.60 | 0.00287 | 1.4 | 0.00307 | 0.38 | 15.16 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 41 | 36.60 | 36.50 | 0.00287 | 1.4 | 0.00307 | 0.38 | 15.54 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 42 | 36.50 | 36.40 | 0.00407 | 30.5 | 0.00417 | 0.28 | 15.82 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 43 | 36.40 | 36.30 | 0.00407 | 30.5 | 0.00417 | 0.28 | 16.10 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 44 | 36.30 | 36.20 | 0.00407 | 30.5 | 0.00417 | 0.28 | 16.37 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 45 | 36.20 | 36.10 | 0.00407 | 30.5 | 0.00417 | 0.28 | 16.65 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 36.10 | 36.00 | 0.00407 | 30.5 | 0.00417 | 0.28 | 16.93 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 47 | 36.00 | 35.90 | 0.00407 | 30.5 | 0.00417 | 0.28 | 17.21 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 48 | 35.90 | 35.80 | 0.00407 | 30.5 | 0.00417 | 0.28 | 17.48 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 49 | 35.80 | 35.70 | 0.00407 | 30.5 | 0.00417 | 0.28 | 17.76 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 50 | 35.70 | 35.60 | 0.00407 | 30.5 | 0.00417 | 0.28 | 18.04 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 51 | 35.60 | 35.50 | 0.00407 | 30.5 | 0.00417 | 0.28 | 18.32 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 52 | 35.50 | 35.40 | 0.00407 | 30.5 | 0.00417 | 0.28 | 18.60 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 53 | 35.40 | 35.30 | 0.00407 | 30.5 | 0.00417 | 0.28 | 18.87 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 54 | 35.30 | 35.20 | 0.00407 | 30.5 | 0.00417 | 0.28 | 19.15 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 55 | 35.20 | 35.10 | 0.00407 | 30.5 | 0.00417 | 0.28 | 19.43 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 56 | 35.10 | 35.00 | 0.00407 | 30.5 | 0.00417 | 0.28 | 19.71 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 57 | 35.00 | 34.90 | 0.00407 | 30.5 | 0.00417 | 0.28 | 19.98 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 58 | 34.90 | 34.80 | 0.00407 | 30.5 | 0.00417 | 0.28 | 20.26 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 59 | 34.80 | 34.70 | 0.00407 | 30.5 | 0.00417 | 0.28 | 20.54 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 60 | 34.70 | 34.60 | 0.00407 | 30.5 | 0.00417 | 0.28 | 20.82 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 61 | 34.60 | 34.50 | 0.00407 | 30.5 | 0.00417 | 0.28 | 21.10 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 62 | 34.50 | 34.40 | 0.00407 | 30.5 | 0.00417 | 0.28 | 21.37 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 63 | 34.40 | 34.30 | 0.00407 | 30.5 | 0.00417 | 0.28 | 21.65 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 64 | 34.30 | 34.20 | 0.00407 | 30.5 | 0.00417 | 0.28 | 21.93 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 65 | 34.20 | 34.10 | 0.00407 | 30.5 | 0.00417 | 0.28 | 22.21 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 66 | 34.10 | 34.00 | 0.00407 | 30.5 | 0.00417 | 0.28 | 22.48 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 67 | 34.00 | 33.90 | 0.00407 | 30.5 | 0.00417 | 0.28 | 22.76 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 68 | 33.90 | 33.80 | 0.00407 | 30.5 | 0.00417 | 0.28 | 23.04 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 69 | 33.80 | 33.70 | 0.00407 | 30.5 | 0.00417 | 0.28 | 23.32 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 70 | 33.70 | 33.60 | 0.00407 | 30.5 | 0.00417 | 0.28 | 23.60 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 71 | 33.60 | 33.50 | 0.00407 | 30.5 | 0.00417 | 0.28 | 23.87 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 72 | 33.50 | 33.40 | 0.00407 | 30.5 | 0.00417 | 0.28 | 24.15 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 73 | 33.40 | 33.30 | 0.00407 | 30.5 | 0.00417 | 0.28 | 24.43 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 74 | 33.30 | 33.20 | 0.00407 | 30.5 | 0.00417 | 0.28 | 24.71 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 75 | 33.20 | 33.10 | 0.00407 | 30.5 | 0.00417 | 0.28 | 24.98 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 76 | 33.10 | 33.00 | 0.00407 | 30.5 | 0.00417 | 0.28 | 25.26 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 77 | 33.00 | 32.90 | 0.00407 | 30.5 | 0.00417 | 0.28 | 25.54 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 78 | 32.90 | 32.80 | 0.00407 | 30.5 | 0.00417 | 0.28 | 25.82 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 79 | 32.80 | 32.70 | 0.00407 | 30.5 | 0.00417 | 0.28 | 26.10 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 80 | 32.70 | 32.60 | 0.00407 | 30.5 | 0.00417 | 0.28 | 26.37 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 81 | 32.60 | 32.50 | 0.00407 | 30.5 | 0.00417 | 0.28 | 26.65 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 82 | 32.50 | 32.40 | 0.00527 | 46.3 | 0.00522 | 0.22 | 26.87 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 83 | 32.40 | 32.30 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.09 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 84 | 32.30 | 32.20 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.32 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 85 | 32.20 | 32.10 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.54 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 86 | 32.10 | 32.00 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.76 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 87 | 32.00 | 31.90 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.98 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 88 | 31.90 | 31.80 | 0.00527 | 46.3 | 0.00522 | 0.22 | 28.20 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 89 | 31.80 | 31.70 | 0.00527 | 46.3 | 0.00522 | 0.22 | 28.43 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 90 | 31.70 | 31.60 | 0.00527 | 46.3 | 0.00522 | 0.22 | 28.65 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 91 | 31.60 | 31.50 | 0.00527 | 46.3 | 0.00522 | 0.22 | 28.87 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 92 | 31.50 | 31.40 | 0.00527 | 46.3 | 0.00522 | 0.22 | 29.09 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 93 | 31.40 | 31.30 | 0.00632 | 55.2 | 0.00612 | 0.19 | 29.28 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 94 | 31.30 | 31.20 | 0.00632 | 55.2 | 0.00612 | 0.19 | 29.47 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 95 | 31.20 | 31.10 | 0.00632 | 55.2 | 0.00612 | 0.19 | 29.66 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 96 | 31.10 | 31.00 | 0.00632 | 55.2 | 0.00612 | 0.19 | 29.85 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 97 | 31.00 | 30.90 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.04 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 98 | 30.90 | 30.80 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.23 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 99 | 30.80 | 30.70 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.42 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 100 | 30.70 | 30.60 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.60 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 101 | 30.60 | 30.50 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.79 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 102 | 30.50 | 30.40 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.98 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 103 | 30.40 | 30.30 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.17 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 104 | 30.30 | 30.20 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.36 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 105 | 30.20 | 30.10 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.55 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 106 | 30.10 | 30.00 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.74 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 107 | 30.00 | 29.90 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.93 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 108 | 29.90 | 29.80 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.12 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 109 | 29.80 | 29.70 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.31 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 110 | 29.70 | 29.60 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.50 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 111 | 29.60 | 29.50 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.69 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 112 | 29.50 | 29.40 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.88 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 113 | 29.40 | 29.30 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.06 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 114 | 29.30 | 29.20 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.25 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 115 | 29.20 | 29.10 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.44 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 116 | 29.10 | 29.00 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.63 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 117 | 29.00 | 28.90 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.82 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 118 | 28.90 | 28.80 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.01 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 119 | 28.80 | 28.70 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.20 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120 | 28.70 | 28.60 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.39 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 121 | 28.60 | 28.50 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.58 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 122 | 28.50 | 28.40 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.77 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| TOT | | | | | | 34.77 | | | | 11944.95 | 33428.00 | | | | | |
| AVG | | | | | 0.0041 | | | 0.36 | 2.74 | | | 0.98 | | | | |

************************************************************************ BIOLOGICAL AND PHYSICAL COEFFICIENTS ************************************************************************

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 40.400 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 40.300 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 40.200 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 40.100 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 40.000 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 39.900 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 39.800 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 39.700 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 39.600 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 39.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 39.400 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 39.300 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 39.200 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 39.100 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 39.000 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 38.900 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 38.800 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 38.700 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 38.600 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 38.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 38.400 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 38.300 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 38.200 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 38.100 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 38.000 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 37.900 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 37.800 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 37.700 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 37.600 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 37.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 37.400 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 37.300 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 37.200 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 37.100 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 37.000 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 36.900 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 36.800 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 36.700 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 36.600 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 36.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 36.400 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 36.300 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 36.200 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 36.100 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 36.000 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 35.900 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 35.800 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 35.700 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 35.600 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 35.500 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 35.400 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 35.300 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 35.200 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 35.100 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 35.000 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 34.900 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 34.800 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 34.700 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 34.600 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 34.500 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 34.400 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 34.300 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 34.200 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 34.100 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 34.000 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 33.900 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 33.800 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 33.700 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 33.600 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 33.500 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 33.400 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 33.300 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 33.200 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 33.100 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 33.000 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 32.900 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 32.800 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 32.700 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 32.600 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 32.500 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 32.400 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 32.300 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 32.200 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 32.100 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 32.000 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 31.900 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 31.800 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 31.700 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 31.600 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 31.500 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 31.400 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 31.300 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 31.200 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 31.100 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 31.000 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 30.900 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 30.800 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 30.700 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 30.600 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 30.500 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 30.400 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 30.300 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 30.200 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 30.100 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 30.000 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 29.900 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 29.800 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 29.700 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 29.600 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 29.500 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 29.400 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 29.300 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 29.200 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 29.100 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 29.000 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 28.900 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 28.800 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 28.700 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 28.600 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 28.500 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 28.400 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 30.00 | 0.00 | 1.00 | 0.00 | 6.99 | 15.33 | 0.00 | 15.49 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 2 | 40.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.07 | 14.83 | 0.00 | 14.99 | 0.00 | 1.27 | 0.24 | 0.13 | 1.63 | 1.28 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 3 | 40.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.13 | 14.34 | 0.00 | 14.50 | 0.00 | 1.26 | 0.21 | 0.15 | 1.62 | 1.27 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 40.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.17 | 13.86 | 0.00 | 14.02 | 0.00 | 1.25 | 0.19 | 0.16 | 1.61 | 1.27 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 5 | 40.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.20 | 13.40 | 0.00 | 13.56 | 0.00 | 1.25 | 0.17 | 0.18 | 1.59 | 1.26 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 6 | 40.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.23 | 12.95 | 0.00 | 13.11 | 0.00 | 1.24 | 0.15 | 0.19 | 1.58 | 1.25 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 7 | 39.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.25 | 12.51 | 0.00 | 12.67 | 0.00 | 1.24 | 0.14 | 0.19 | 1.56 | 1.25 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 8 | 39.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.27 | 12.08 | 0.00 | 12.24 | 0.00 | 1.23 | 0.12 | 0.20 | 1.55 | 1.24 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 9 | 39.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.29 | 11.67 | 0.00 | 11.83 | 0.00 | 1.23 | 0.11 | 0.20 | 1.54 | 1.24 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 10 | 39.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.31 | 11.27 | 0.00 | 11.43 | 0.00 | 1.22 | 0.10 | 0.20 | 1.52 | 1.23 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 11 | 39.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.32 | 10.89 | 0.00 | 11.05 | 0.00 | 1.21 | 0.09 | 0.20 | 1.51 | 1.23 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 12 | 39.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.33 | 10.51 | 0.00 | 10.67 | 0.00 | 1.21 | 0.09 | 0.20 | 1.49 | 1.22 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 13 | 39.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.35 | 10.15 | 0.00 | 10.31 | 0.00 | 1.20 | 0.08 | 0.20 | 1.48 | 1.22 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 14 | 39.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.36 | 9.80 | 0.00 | 9.96 | 0.00 | 1.20 | 0.07 | 0.19 | 1.47 | 1.21 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 15 | 39.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.37 | 9.46 | 0.00 | 9.62 | 0.00 | 1.19 | 0.07 | 0.19 | 1.45 | 1.20 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 16 | 39.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.38 | 9.13 | 0.00 | 9.29 | 0.00 | 1.19 | 0.06 | 0.19 | 1.44 | 1.20 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 17 | 38.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.39 | 8.82 | 0.00 | 8.98 | 0.00 | 1.18 | 0.06 | 0.18 | 1.42 | 1.19 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 18 | 38.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.40 | 8.51 | 0.00 | 8.67 | 0.00 | 1.17 | 0.06 | 0.18 | 1.41 | 1.19 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 19 | 38.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.40 | 8.22 | 0.00 | 8.38 | 0.00 | 1.17 | 0.05 | 0.17 | 1.40 | 1.18 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 20 | 38.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.41 | 7.93 | 0.00 | 8.09 | 0.00 | 1.16 | 0.05 | 0.17 | 1.39 | 1.18 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 21 | 38.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.37 | 7.55 | 0.00 | 7.71 | 0.00 | 1.14 | 0.05 | 0.19 | 1.38 | 1.16 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 22 | 38.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.40 | 7.28 | 0.00 | 7.44 | 0.00 | 1.14 | 0.05 | 0.18 | 1.37 | 1.15 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 23 | 38.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.42 | 7.03 | 0.00 | 7.19 | 0.00 | 1.13 | 0.05 | 0.18 | 1.35 | 1.14 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 24 | 38.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.43 | 6.78 | 0.00 | 6.94 | 0.00 | 1.13 | 0.04 | 0.17 | 1.34 | 1.14 | 1.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 25 | 38.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.44 | 6.55 | 0.00 | 6.71 | 0.00 | 1.12 | 0.04 | 0.17 | 1.33 | 1.13 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 26 | 38.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.45 | 6.32 | 0.00 | 6.48 | 0.00 | 1.12 | 0.04 | 0.16 | 1.32 | 1.13 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 27 | 37.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.46 | 6.10 | 0.00 | 6.26 | 0.00 | 1.11 | 0.04 | 0.15 | 1.31 | 1.12 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 28 | 37.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.46 | 5.88 | 0.00 | 6.04 | 0.00 | 1.11 | 0.04 | 0.15 | 1.30 | 1.12 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 29 | 37.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.47 | 5.68 | 0.00 | 5.84 | 0.00 | 1.10 | 0.04 | 0.14 | 1.29 | 1.11 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 30 | 37.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.47 | 5.48 | 0.00 | 5.64 | 0.00 | 1.10 | 0.04 | 0.14 | 1.27 | 1.11 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 31 | 37.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.48 | 5.29 | 0.00 | 5.45 | 0.00 | 1.09 | 0.04 | 0.14 | 1.26 | 1.10 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 32 | 37.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.48 | 5.10 | 0.00 | 5.26 | 0.00 | 1.09 | 0.04 | 0.13 | 1.25 | 1.10 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 33 | 37.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.48 | 4.92 | 0.00 | 5.08 | 0.00 | 1.08 | 0.04 | 0.13 | 1.24 | 1.09 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 34 | 37.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.49 | 4.75 | 0.00 | 4.91 | 0.00 | 1.08 | 0.04 | 0.12 | 1.23 | 1.09 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 35 | 37.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.49 | 4.58 | 0.00 | 4.74 | 0.00 | 1.07 | 0.04 | 0.12 | 1.23 | 1.08 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 36 | 37.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.49 | 4.42 | 0.00 | 4.58 | 0.00 | 1.07 | 0.04 | 0.11 | 1.22 | 1.08 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 37 | 36.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.50 | 4.27 | 0.00 | 4.43 | 0.00 | 1.06 | 0.03 | 0.11 | 1.21 | 1.07 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 38 | 36.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.50 | 4.12 | 0.00 | 4.28 | 0.00 | 1.06 | 0.03 | 0.11 | 1.20 | 1.07 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 39 | 36.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.50 | 3.97 | 0.00 | 4.13 | 0.00 | 1.05 | 0.03 | 0.10 | 1.19 | 1.06 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 40 | 36.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.51 | 3.84 | 0.00 | 4.00 | 0.00 | 1.05 | 0.03 | 0.10 | 1.18 | 1.06 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 41 | 36.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.51 | 3.70 | 0.00 | 3.86 | 0.00 | 1.04 | 0.03 | 0.10 | 1.17 | 1.06 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 42 | 36.400 | 30.00 | 0.00 | 1.00 | 0.00 | 5.60 | 23.04 | 0.00 | 23.20 | 0.00 | 2.26 | 2.78 | 0.92 | 5.96 | 2.27 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 43 | 36.300 | 30.00 | 0.00 | 1.00 | 0.00 | 5.52 | 22.38 | 0.00 | 22.54 | 0.00 | 2.25 | 2.51 | 1.15 | 5.91 | 2.27 | 5.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 44 | 36.200 | 30.00 | 0.00 | 1.00 | 0.00 | 5.54 | 21.71 | 0.00 | 21.87 | 0.00 | 2.25 | 2.26 | 1.34 | 5.85 | 2.26 | 5.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 45 | 36.100 | 30.00 | 0.00 | 1.00 | 0.00 | 5.63 | 21.04 | 0.00 | 21.20 | 0.00 | 2.24 | 2.04 | 1.50 | 5.78 | 2.25 | 5.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 46 | 36.000 | 30.00 | 0.00 | 1.00 | 0.00 | 5.74 | 20.36 | 0.00 | 20.52 | 0.00 | 2.23 | 1.85 | 1.63 | 5.71 | 2.24 | 5.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 47 | 35.900 | 30.00 | 0.00 | 1.00 | 0.00 | 5.86 | 19.69 | 0.00 | 19.85 | 0.00 | 2.22 | 1.67 | 1.74 | 5.63 | 2.24 | 5.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 48 | 35.800 | 30.00 | 0.00 | 1.00 | 0.00 | 5.98 | 19.02 | 0.00 | 19.18 | 0.00 | 2.22 | 1.51 | 1.82 | 5.55 | 2.23 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 49 | 35.700 | 30.00 | 0.00 | 1.00 | 0.00 | 6.11 | 18.36 | 0.00 | 18.52 | 0.00 | 2.21 | 1.36 | 1.89 | 5.46 | 2.22 | 5.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 50 | 35.600 | 30.00 | 0.00 | 1.00 | 0.00 | 6.22 | 17.71 | 0.00 | 17.87 | 0.00 | 2.20 | 1.24 | 1.94 | 5.38 | 2.21 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 51 | 35.500 | 30.00 | 0.00 | 1.00 | 0.00 | 6.33 | 17.07 | 0.00 | 17.23 | 0.00 | 2.19 | 1.12 | 1.98 | 5.29 | 2.21 | 5.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 52 | 35.400 | 30.00 | 0.00 | 1.00 | 0.00 | 6.42 | 16.44 | 0.00 | 16.60 | 0.00 | 2.19 | 1.01 | 2.00 | 5.20 | 2.20 | 5.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 53 | 35.300 | 30.00 | 0.00 | 1.00 | 0.00 | 6.51 | 15.82 | 0.00 | 15.98 | 0.00 | 2.18 | 0.92 | 2.01 | 5.11 | 2.19 | 5.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 54 | 35.200 | 30.00 | 0.00 | 1.00 | 0.00 | 6.60 | 15.21 | 0.00 | 15.37 | 0.00 | 2.17 | 0.83 | 2.01 | 5.02 | 2.18 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 55 | 35.100 | 30.00 | 0.00 | 1.00 | 0.00 | 6.67 | 14.63 | 0.00 | 14.79 | 0.00 | 2.16 | 0.76 | 2.01 | 4.93 | 2.18 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 56 | 35.000 | 30.00 | 0.00 | 1.00 | 0.00 | 6.74 | 14.05 | 0.00 | 14.21 | 0.00 | 2.16 | 0.69 | 2.00 | 4.84 | 2.17 | 4.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 57 | 34.900 | 30.00 | 0.00 | 1.00 | 0.00 | 6.81 | 13.49 | 0.00 | 13.65 | 0.00 | 2.15 | 0.63 | 1.98 | 4.75 | 2.16 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 58 | 34.800 | 30.00 | 0.00 | 1.00 | 0.00 | 6.87 | 12.95 | 0.00 | 13.11 | 0.00 | 2.14 | 0.57 | 1.95 | 4.66 | 2.15 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 59 | 34.700 | 30.00 | 0.00 | 1.00 | 0.00 | 6.92 | 12.42 | 0.00 | 12.58 | 0.00 | 2.13 | 0.52 | 1.92 | 4.58 | 2.15 | 4.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 60 | 34.600 | 30.00 | 0.00 | 1.00 | 0.00 | 6.97 | 11.91 | 0.00 | 12.07 | 0.00 | 2.13 | 0.47 | 1.89 | 4.49 | 2.14 | 4.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 61 | 34.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.01 | 11.41 | 0.00 | 11.57 | 0.00 | 2.12 | 0.43 | 1.86 | 4.41 | 2.13 | 4.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 62 | 34.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.05 | 10.93 | 0.00 | 11.09 | 0.00 | 2.11 | 0.40 | 1.82 | 4.33 | 2.13 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 63 | 34.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.09 | 10.46 | 0.00 | 10.62 | 0.00 | 2.11 | 0.36 | 1.78 | 4.25 | 2.12 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 64 | 34.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.13 | 10.02 | 0.00 | 10.18 | 0.00 | 2.10 | 0.33 | 1.74 | 4.17 | 2.11 | 4.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 65 | 34.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.16 | 9.58 | 0.00 | 9.74 | 0.00 | 2.09 | 0.31 | 1.70 | 4.09 | 2.10 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 66 | 34.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.19 | 9.16 | 0.00 | 9.32 | 0.00 | 2.08 | 0.28 | 1.65 | 4.02 | 2.10 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 67 | 33.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.21 | 8.76 | 0.00 | 8.92 | 0.00 | 2.08 | 0.26 | 1.61 | 3.95 | 2.09 | 3.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 68 | 33.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.24 | 8.37 | 0.00 | 8.53 | 0.00 | 2.07 | 0.24 | 1.57 | 3.88 | 2.08 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 69 | 33.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.26 | 7.99 | 0.00 | 8.15 | 0.00 | 2.06 | 0.22 | 1.52 | 3.81 | 2.08 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 70 | 33.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.28 | 7.63 | 0.00 | 7.79 | 0.00 | 2.06 | 0.21 | 1.48 | 3.74 | 2.07 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 71 | 33.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.30 | 7.28 | 0.00 | 7.44 | 0.00 | 2.05 | 0.19 | 1.43 | 3.68 | 2.06 | 3.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 72 | 33.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.32 | 6.95 | 0.00 | 7.11 | 0.00 | 2.04 | 0.18 | 1.39 | 3.61 | 2.06 | 3.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 73 | 33.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.34 | 6.63 | 0.00 | 6.79 | 0.00 | 2.04 | 0.17 | 1.35 | 3.55 | 2.05 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 74 | 33.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.35 | 6.32 | 0.00 | 6.48 | 0.00 | 2.03 | 0.16 | 1.31 | 3.49 | 2.04 | 3.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 75 | 33.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.36 | 6.02 | 0.00 | 6.18 | 0.00 | 2.02 | 0.15 | 1.27 | 3.44 | 2.03 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 76 | 33.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.38 | 5.73 | 0.00 | 5.89 | 0.00 | 2.02 | 0.14 | 1.23 | 3.38 | 2.03 | 3.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 77 | 32.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.39 | 5.46 | 0.00 | 5.62 | 0.00 | 2.01 | 0.13 | 1.19 | 3.33 | 2.02 | 3.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 32.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.40 | 5.19 | 0.00 | 5.35 | 0.00 | 2.00 | 0.12 | 1.15 | 3.27 | 2.01 | 3.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 79 | 32.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.41 | 4.94 | 0.00 | 5.10 | 0.00 | 1.99 | 0.12 | 1.11 | 3.22 | 2.01 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 80 | 32.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.42 | 4.70 | 0.00 | 4.86 | 0.00 | 1.99 | 0.11 | 1.07 | 3.18 | 2.00 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 81 | 32.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.43 | 4.46 | 0.00 | 4.62 | 0.00 | 1.98 | 0.11 | 1.04 | 3.13 | 1.99 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 82 | 32.400 | 30.00 | 0.00 | 1.00 | 0.00 | 5.99 | 19.24 | 0.00 | 19.40 | 0.00 | 2.71 | 2.25 | 1.41 | 6.36 | 2.72 | 6.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 83 | 32.300 | 30.00 | 0.00 | 1.00 | 0.00 | 5.91 | 18.74 | 0.00 | 18.90 | 0.00 | 2.70 | 2.07 | 1.54 | 6.31 | 2.71 | 6.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 84 | 32.200 | 30.00 | 0.00 | 1.00 | 0.00 | 5.90 | 18.25 | 0.00 | 18.41 | 0.00 | 2.69 | 1.91 | 1.65 | 6.25 | 2.71 | 6.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 85 | 32.100 | 30.00 | 0.00 | 1.00 | 0.00 | 5.93 | 17.75 | 0.00 | 17.91 | 0.00 | 2.69 | 1.76 | 1.74 | 6.19 | 2.70 | 6.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 86 | 32.000 | 30.00 | 0.00 | 1.00 | 0.00 | 5.99 | 17.25 | 0.00 | 17.41 | 0.00 | 2.68 | 1.63 | 1.82 | 6.12 | 2.69 | 6.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 87 | 31.900 | 30.00 | 0.00 | 1.00 | 0.00 | 6.06 | 16.76 | 0.00 | 16.92 | 0.00 | 2.67 | 1.50 | 1.88 | 6.05 | 2.68 | 6.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 88 | 31.800 | 30.00 | 0.00 | 1.00 | 0.00 | 6.14 | 16.27 | 0.00 | 16.43 | 0.00 | 2.66 | 1.38 | 1.94 | 5.98 | 2.68 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 89 | 31.700 | 30.00 | 0.00 | 1.00 | 0.00 | 6.23 | 15.79 | 0.00 | 15.95 | 0.00 | 2.66 | 1.28 | 1.98 | 5.91 | 2.67 | 5.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 90 | 31.600 | 30.00 | 0.00 | 1.00 | 0.00 | 6.31 | 15.31 | 0.00 | 15.47 | 0.00 | 2.65 | 1.18 | 2.01 | 5.84 | 2.66 | 5.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 91 | 31.500 | 30.00 | 0.00 | 1.00 | 0.00 | 6.39 | 14.83 | 0.00 | 14.99 | 0.00 | 2.64 | 1.09 | 2.04 | 5.77 | 2.65 | 5.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 92 | 31.400 | 30.00 | 0.00 | 1.00 | 0.00 | 6.46 | 14.37 | 0.00 | 14.53 | 0.00 | 2.63 | 1.01 | 2.05 | 5.70 | 2.65 | 5.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 93 | 31.300 | 30.00 | 0.00 | 1.00 | 0.00 | 5.64 | 22.91 | 0.00 | 23.07 | 0.00 | 3.02 | 2.33 | 2.15 | 7.51 | 3.03 | 7.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 94 | 31.200 | 30.00 | 0.00 | 1.00 | 0.00 | 5.63 | 22.37 | 0.00 | 22.53 | 0.00 | 3.01 | 2.18 | 2.25 | 7.44 | 3.03 | 7.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 95 | 31.100 | 30.00 | 0.00 | 1.00 | 0.00 | 5.65 | 21.84 | 0.00 | 22.00 | 0.00 | 3.01 | 2.03 | 2.33 | 7.37 | 3.02 | 7.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 96 | 31.000 | 30.00 | 0.00 | 1.00 | 0.00 | 5.71 | 21.30 | 0.00 | 21.46 | 0.00 | 3.00 | 1.89 | 2.40 | 7.30 | 3.01 | 7.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 97 | 30.900 | 30.00 | 0.00 | 1.00 | 0.00 | 5.77 | 20.77 | 0.00 | 20.93 | 0.00 | 2.99 | 1.77 | 2.46 | 7.22 | 3.01 | 7.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 98 | 30.800 | 30.00 | 0.00 | 1.00 | 0.00 | 5.85 | 20.25 | 0.00 | 20.41 | 0.00 | 2.99 | 1.65 | 2.51 | 7.14 | 3.00 | 7.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 99 | 30.700 | 30.00 | 0.00 | 1.00 | 0.00 | 5.93 | 19.73 | 0.00 | 19.89 | 0.00 | 2.98 | 1.54 | 2.55 | 7.07 | 2.99 | 7.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 100 | 30.600 | 30.00 | 0.00 | 1.00 | 0.00 | 6.01 | 19.21 | 0.00 | 19.37 | 0.00 | 2.97 | 1.44 | 2.58 | 6.99 | 2.99 | 7.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 101 | 30.500 | 30.00 | 0.00 | 1.00 | 0.00 | 6.09 | 18.70 | 0.00 | 18.86 | 0.00 | 2.97 | 1.34 | 2.60 | 6.91 | 2.98 | 6.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 102 | 30.400 | 30.00 | 0.00 | 1.00 | 0.00 | 6.17 | 18.20 | 0.00 | 18.36 | 0.00 | 2.96 | 1.25 | 2.62 | 6.83 | 2.97 | 6.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 103 | 30.300 | 30.00 | 0.00 | 1.00 | 0.00 | 6.24 | 17.70 | 0.00 | 17.86 | 0.00 | 2.95 | 1.17 | 2.63 | 6.75 | 2.96 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 104 | 30.200 | 30.00 | 0.00 | 1.00 | 0.00 | 6.32 | 17.21 | 0.00 | 17.37 | 0.00 | 2.95 | 1.10 | 2.63 | 6.67 | 2.96 | 6.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 105 | 30.100 | 30.00 | 0.00 | 1.00 | 0.00 | 6.39 | 16.73 | 0.00 | 16.89 | 0.00 | 2.94 | 1.03 | 2.63 | 6.59 | 2.95 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 106 | 30.000 | 30.00 | 0.00 | 1.00 | 0.00 | 6.45 | 16.26 | 0.00 | 16.42 | 0.00 | 2.93 | 0.96 | 2.62 | 6.51 | 2.94 | 6.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 107 | 29.900 | 30.00 | 0.00 | 1.00 | 0.00 | 6.51 | 15.79 | 0.00 | 15.95 | 0.00 | 2.92 | 0.90 | 2.61 | 6.43 | 2.94 | 6.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 108 | 29.800 | 30.00 | 0.00 | 1.00 | 0.00 | 6.57 | 15.34 | 0.00 | 15.50 | 0.00 | 2.92 | 0.84 | 2.59 | 6.35 | 2.93 | 6.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 109 | 29.700 | 30.00 | 0.00 | 1.00 | 0.00 | 6.62 | 14.89 | 0.00 | 15.05 | 0.00 | 2.91 | 0.79 | 2.57 | 6.27 | 2.92 | 6.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 110 | 29.600 | 30.00 | 0.00 | 1.00 | 0.00 | 6.67 | 14.45 | 0.00 | 14.61 | 0.00 | 2.90 | 0.74 | 2.55 | 6.20 | 2.92 | 6.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 111 | 29.500 | 30.00 | 0.00 | 1.00 | 0.00 | 6.72 | 14.01 | 0.00 | 14.18 | 0.00 | 2.90 | 0.69 | 2.53 | 6.12 | 2.91 | 6.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 112 | 29.400 | 30.00 | 0.00 | 1.00 | 0.00 | 6.77 | 13.59 | 0.00 | 13.75 | 0.00 | 2.89 | 0.65 | 2.50 | 6.04 | 2.90 | 6.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 113 | 29.300 | 30.00 | 0.00 | 1.00 | 0.00 | 6.81 | 13.18 | 0.00 | 13.34 | 0.00 | 2.88 | 0.61 | 2.47 | 5.97 | 2.90 | 5.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 114 | 29.200 | 30.00 | 0.00 | 1.00 | 0.00 | 6.85 | 12.77 | 0.00 | 12.93 | 0.00 | 2.88 | 0.57 | 2.44 | 5.89 | 2.89 | 5.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 115 | 29.100 | 30.00 | 0.00 | 1.00 | 0.00 | 6.89 | 12.38 | 0.00 | 12.54 | 0.00 | 2.87 | 0.54 | 2.41 | 5.82 | 2.88 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 116 | 29.000 | 30.00 | 0.00 | 1.00 | 0.00 | 6.92 | 11.99 | 0.00 | 12.15 | 0.00 | 2.86 | 0.51 | 2.38 | 5.75 | 2.88 | 5.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 117 | 28.900 | 30.00 | 0.00 | 1.00 | 0.00 | 6.96 | 11.61 | 0.00 | 11.77 | 0.00 | 2.86 | 0.48 | 2.34 | 5.68 | 2.87 | 5.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 118 | 28.800 | 30.00 | 0.00 | 1.00 | 0.00 | 6.99 | 11.24 | 0.00 | 11.40 | 0.00 | 2.85 | 0.45 | 2.30 | 5.61 | 2.86 | 5.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 119 | 28.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.02 | 10.88 | 0.00 | 11.04 | 0.00 | 2.85 | 0.43 | 2.27 | 5.54 | 2.86 | 5.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 120 | 28.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.05 | 10.53 | 0.00 | 10.69 | 0.00 | 2.84 | 0.40 | 2.23 | 5.47 | 2.85 | 5.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 121 | 28.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.07 | 10.18 | 0.00 | 10.34 | 0.00 | 2.83 | 0.38 | 2.19 | 5.40 | 2.84 | 5.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 122 | 28.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.10 | 9.85 | 0.00 | 10.01 | 0.00 | 2.83 | 0.36 | 2.15 | 5.34 | 2.84 | 5.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 2 | 40.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 3 | 40.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 4 | 40.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 5 | 40.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 6 | 40.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 7 | 39.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 8 | 39.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 9 | 39.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 10 | 39.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 11 | 39.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 12 | 39.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 13 | 39.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 14 | 39.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 15 | 39.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 16 | 39.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 17 | 38.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 18 | 38.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 19 | 38.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 | 38.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 21 | 38.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 22 | 38.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 38.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 24 | 38.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 25 | 38.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 26 | 38.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 27 | 37.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 28 | 37.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 29 | 37.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 30 | 37.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 31 | 37.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 32 | 37.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 33 | 37.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 34 | 37.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 35 | 37.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 36 | 37.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 37 | 36.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 38 | 36.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 39 | 36.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 40 | 36.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 41 | 36.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 42 | 36.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 43 | 36.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 44 | 36.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 45 | 36.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 46 | 36.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 47 | 35.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 48 | 35.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 49 | 35.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 50 | 35.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 51 | 35.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 52 | 35.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 53 | 35.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 54 | 35.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 55 | 35.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 56 | 35.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 57 | 34.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 58 | 34.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 59 | 34.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 60 | 34.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 61 | 34.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 62 | 34.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 63 | 34.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 64 | 34.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 65 | 34.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 66 | 34.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 67 | 33.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 68 | 33.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 69 | 33.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 70 | 33.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 71 | 33.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 72 | 33.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 73 | 33.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 74 | 33.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 75 | 33.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 76 | 33.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 77 | 32.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 78 | 32.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 79 | 32.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 80 | 32.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 81 | 32.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 82 | 32.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 83 | 32.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 84 | 32.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 85 | 32.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 86 | 32.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 87 | 31.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 88 | 31.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 89 | 31.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 90 | 31.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 91 | 31.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 92 | 31.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 93 | 31.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 94 | 31.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 95 | 31.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 96 | 31.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97 | 30.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 98 | 30.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 99 | 30.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 100 | 30.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 101 | 30.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 102 | 30.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 103 | 30.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 104 | 30.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 105 | 30.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 106 | 30.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 107 | 29.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 108 | 29.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 109 | 29.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 110 | 29.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 111 | 29.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 112 | 29.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 113 | 29.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 114 | 29.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 115 | 29.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 116 | 29.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 117 | 28.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 118 | 28.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 119 | 28.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 120 | 28.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 121 | 28.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 122 | 28.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 3 Pontchatoula (PTS to YWRC) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | UPR RCH | 0.00632 | 30.00 | 0.00 | 1.00 | 0.00 | 7.10 | 9.85 | 0.00 | 10.01 | 0.00 | 2.83 | 0.36 | 2.15 | 0.00 | 1.50 | 0.00 | 0.00 |
| 203 | TRIB | 0.01055 | 30.00 | 0.00 | 1.00 | 0.00 | 6.98 | 19.43 | 0.00 | 19.59 | 0.00 | 3.08 | 1.24 | 0.82 | 0.00 | 1.50 | 0.00 | 0.00 |
| EACH | INCR | 0.00038 | 29.00 | 0.00 | 0.00 | 0.00 | 6.85 | 8.00 | 0.00 | | | 1.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| 213 | WSTLD | 0.00032 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 74.80 | 0.00 | 74.80 | 0.00 | 5.40 | 10.83 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | WSTLD | 0.00028 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 89.00 | 0.00 | 89.00 | 0.00 | 6.40 | 12.89 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | WSTLD | 0.00003 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 103.50 | 0.00 | 103.50 | 0.00 | 7.50 | 15.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | WSTLD | 0.00244 | 29.80 | 0.00 | 0.00 | 0.00 | 4.30 | 53.70 | 0.00 | 53.70 | 0.00 | 3.90 | 7.78 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | WSTLD | -0.05380 | 32.60 | 0.00 | 1.00 | 0.00 | 7.49 | 12.66 | 0.00 | 17.15 | 0.00 | 2.33 | 0.73 | 0.68 | 0.00 | 42.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.40 | 28.30 | 0.01725 | 65.0 | 0.03418 | 0.03 | 34.80 | 0.15 | 3.35 | 50.47 | 335.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.034 |
| 204 | 28.30 | 28.20 | 0.01763 | 63.6 | 0.03484 | 0.03 | 34.83 | 0.15 | 3.35 | 50.61 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.035 |
| 205 | 28.20 | 28.10 | 0.01801 | 62.2 | 0.03550 | 0.03 | 34.87 | 0.15 | 3.35 | 50.75 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.035 |
| 206 | 28.10 | 28.00 | 0.01839 | 60.9 | 0.03615 | 0.03 | 34.90 | 0.15 | 3.35 | 50.88 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.036 |
| 207 | 28.00 | 27.90 | 0.01878 | 59.7 | 0.03680 | 0.03 | 34.93 | 0.15 | 3.35 | 51.02 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.037 |
| 208 | 27.90 | 27.80 | 0.01916 | 58.5 | 0.03745 | 0.03 | 34.96 | 0.15 | 3.35 | 51.15 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.037 |
| 209 | 27.80 | 27.70 | 0.01954 | 57.4 | 0.03810 | 0.03 | 34.99 | 0.15 | 3.35 | 51.28 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.038 |
| 210 | 27.70 | 27.60 | 0.01992 | 56.3 | 0.03875 | 0.03 | 35.02 | 0.15 | 3.35 | 51.40 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.039 |
| 211 | 27.60 | 27.50 | 0.02030 | 55.2 | 0.03940 | 0.03 | 35.05 | 0.15 | 3.35 | 51.53 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.039 |
| 212 | 27.50 | 27.40 | 0.02068 | 54.2 | 0.04004 | 0.03 | 35.08 | 0.15 | 3.35 | 51.65 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.040 |
| 213 | 27.40 | 27.30 | 0.02138 | 53.9 | 0.04122 | 0.03 | 35.11 | 0.15 | 3.35 | 51.87 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.041 |
| 214 | 27.30 | 27.20 | 0.02176 | 53.0 | 0.04186 | 0.03 | 35.14 | 0.16 | 3.35 | 51.99 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.042 |
| 215 | 27.20 | 27.10 | 0.02214 | 52.1 | 0.04250 | 0.03 | 35.16 | 0.16 | 3.35 | 52.10 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.043 |
| 216 | 27.10 | 27.00 | 0.02253 | 51.2 | 0.04314 | 0.03 | 35.19 | 0.16 | 3.35 | 52.22 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.043 |
| 217 | 27.00 | 26.90 | 0.02291 | 50.3 | 0.04377 | 0.03 | 35.22 | 0.16 | 3.35 | 52.33 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.044 |
| 218 | 26.90 | 26.80 | 0.02329 | 49.5 | 0.04441 | 0.03 | 35.24 | 0.16 | 3.35 | 52.44 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.044 |
| 219 | 26.80 | 26.70 | 0.02367 | 48.7 | 0.04504 | 0.03 | 35.27 | 0.16 | 3.35 | 52.55 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.045 |
| 220 | 26.70 | 26.60 | 0.02433 | 48.5 | 0.04614 | 0.03 | 35.29 | 0.16 | 3.35 | 52.73 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.046 |
| 221 | 26.60 | 26.50 | 0.02471 | 47.8 | 0.04677 | 0.02 | 35.32 | 0.16 | 3.35 | 52.84 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.047 |
| 222 | 26.50 | 26.40 | 0.02509 | 47.1 | 0.04740 | 0.02 | 35.34 | 0.16 | 3.35 | 52.94 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.047 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 223 | 26.40 | 26.30 | 0.02547 | 46.4 | 0.04802 | 0.02 | 35.37 | 0.16 | 3.35 | 53.04 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.048 |
| 224 | 26.30 | 26.20 | 0.02585 | 45.7 | 0.04865 | 0.02 | 35.39 | 0.16 | 3.35 | 53.14 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.049 |
| 225 | 26.20 | 26.10 | 0.02623 | 45.0 | 0.04927 | 0.02 | 35.41 | 0.16 | 3.35 | 53.24 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.049 |
| 226 | 26.10 | 26.00 | 0.02662 | 44.4 | 0.04990 | 0.02 | 35.44 | 0.16 | 3.35 | 53.34 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.050 |
| 227 | 26.00 | 25.90 | 0.02700 | 43.7 | 0.05052 | 0.02 | 35.46 | 0.16 | 3.35 | 53.44 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.051 |
| 228 | 25.90 | 25.80 | 0.02741 | 43.2 | 0.05119 | 0.02 | 35.48 | 0.16 | 3.35 | 53.54 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.051 |
| 229 | 25.80 | 25.70 | 0.02779 | 42.6 | 0.05181 | 0.02 | 35.50 | 0.16 | 3.35 | 53.63 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.052 |
| 230 | 25.70 | 25.60 | 0.02817 | 42.0 | 0.05243 | 0.02 | 35.53 | 0.16 | 3.35 | 53.73 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.052 |
| 231 | 25.60 | 25.50 | 0.02855 | 41.5 | 0.05305 | 0.02 | 35.55 | 0.16 | 3.35 | 53.82 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.053 |
| 232 | 25.50 | 25.40 | 0.02893 | 40.9 | 0.05367 | 0.02 | 35.57 | 0.16 | 3.35 | 53.91 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.054 |
| 233 | 25.40 | 25.30 | 0.02931 | 40.4 | 0.05428 | 0.02 | 35.59 | 0.16 | 3.35 | 54.00 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.054 |
| 234 | 25.30 | 25.20 | 0.02969 | 39.9 | 0.05490 | 0.02 | 35.61 | 0.16 | 3.35 | 54.09 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.055 |
| 235 | 25.20 | 25.10 | 0.03008 | 39.4 | 0.05551 | 0.02 | 35.63 | 0.16 | 3.35 | 54.18 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.056 |
| 236 | 25.10 | 25.00 | 0.03290 | 43.4 | 0.06003 | 0.02 | 35.65 | 0.16 | 3.35 | 54.80 | 335.00 | 0.55 | 0.00 | 0.000 | 0.000 | 0.060 |
| 237 | 25.00 | 24.90 | 0.03328 | 42.9 | 0.06063 | 0.02 | 35.67 | 0.16 | 3.35 | 54.88 | 335.00 | 0.55 | 0.00 | 0.000 | 0.000 | 0.061 |
| 238 | 24.90 | 24.80 | 0.03366 | 42.4 | 0.06124 | 0.02 | 35.69 | 0.16 | 3.35 | 54.96 | 335.00 | 0.55 | 0.00 | 0.000 | 0.000 | 0.061 |
| 239 | 24.80 | 24.70 | -0.01976 | 42.0 | -0.03848 | -0.03 | 35.66 | 0.15 | 3.35 | 51.35 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.038 |
| TOT | | | | | | 0.89 | | | | 1947.83 | 12395.00 | | | | | |
| AVG | | | | | 0.0479 | | | 0.16 | 3.35 | | | 0.53 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 7.55 | 9.21 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 28.200 | 7.54 | 9.27 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 28.100 | 7.53 | 9.33 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 28.000 | 7.52 | 9.39 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 27.900 | 7.51 | 9.46 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 27.800 | 7.50 | 9.52 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 27.700 | 7.49 | 9.58 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 27.600 | 7.49 | 9.64 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 27.500 | 7.48 | 9.70 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 27.400 | 7.47 | 9.76 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 27.300 | 7.46 | 9.87 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 27.200 | 7.45 | 9.93 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 27.100 | 7.44 | 9.99 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 27.000 | 7.43 | 10.05 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 26.900 | 7.42 | 10.11 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 26.800 | 7.41 | 10.17 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 26.700 | 7.41 | 10.24 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 26.600 | 7.40 | 10.33 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 26.500 | 7.39 | 10.40 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 26.400 | 7.38 | 10.46 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 26.300 | 7.37 | 10.52 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 26.200 | 7.36 | 10.58 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 26.100 | 7.35 | 10.64 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 26.000 | 7.34 | 10.71 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 25.900 | 7.33 | 10.77 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 25.800 | 7.33 | 10.84 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 25.700 | 7.32 | 10.90 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 25.600 | 7.31 | 10.96 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 25.500 | 7.30 | 11.02 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 25.400 | 7.29 | 11.09 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 25.300 | 7.28 | 11.15 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 25.200 | 7.27 | 11.21 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 25.100 | 7.26 | 11.28 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 25.000 | 7.26 | 11.65 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 24.900 | 7.25 | 11.72 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 24.800 | 7.24 | 11.78 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 24.700 | 7.23 | 9.96 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 8.41 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 30.07 | 0.00 | 1.00 | 0.00 | 7.09 | 15.58 | 0.00 | 15.86 | 0.00 | 2.96 | 0.88 | 1.29 | 5.13 | 2.98 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 204 | 28.200 | 30.14 | 0.00 | 1.00 | 0.00 | 7.14 | 15.33 | 0.00 | 15.72 | 0.00 | 2.93 | 0.85 | 1.27 | 5.06 | 2.96 | 5.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 205 | 28.100 | 30.21 | 0.00 | 1.00 | 0.00 | 7.18 | 15.09 | 0.00 | 15.60 | 0.00 | 2.91 | 0.83 | 1.25 | 4.99 | 2.95 | 5.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 206 | 28.000 | 30.28 | 0.00 | 1.00 | 0.00 | 7.22 | 14.86 | 0.00 | 15.49 | 0.00 | 2.89 | 0.80 | 1.23 | 4.92 | 2.94 | 4.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |
| 207 | 27.900 | 30.35 | 0.00 | 1.00 | 0.00 | 7.24 | 14.65 | 0.00 | 15.39 | 0.00 | 2.86 | 0.78 | 1.21 | 4.85 | 2.92 | 4.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.0 | 0.0 | 0. | 0.00 |
| 208 | 27.800 | 30.42 | 0.00 | 1.00 | 0.00 | 7.26 | 14.44 | 0.00 | 15.30 | 0.00 | 2.84 | 0.76 | 1.19 | 4.79 | 2.91 | 4.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.1 | 0.0 | 0. | 0.00 |
| 209 | 27.700 | 30.49 | 0.00 | 1.00 | 0.00 | 7.28 | 14.24 | 0.00 | 15.22 | 0.00 | 2.82 | 0.74 | 1.17 | 4.73 | 2.90 | 4.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.2 | 0.0 | 0. | 0.00 |
| 210 | 27.600 | 30.56 | 0.00 | 1.00 | 0.00 | 7.29 | 14.05 | 0.00 | 15.14 | 0.00 | 2.80 | 0.72 | 1.15 | 4.67 | 2.89 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.3 | 0.0 | 0. | 0.00 |
| 211 | 27.500 | 30.63 | 0.00 | 1.00 | 0.00 | 7.30 | 13.86 | 0.00 | 15.08 | 0.00 | 2.78 | 0.70 | 1.13 | 4.61 | 2.88 | 4.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.4 | 0.0 | 0. | 0.00 |
| 212 | 27.400 | 30.70 | 0.00 | 1.00 | 0.00 | 7.31 | 13.69 | 0.00 | 15.02 | 0.00 | 2.77 | 0.68 | 1.11 | 4.56 | 2.87 | 4.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.4 | 0.0 | 0. | 0.00 |
| 213 | 27.300 | 30.77 | 0.00 | 1.00 | 0.00 | 7.25 | 14.43 | 0.00 | 15.88 | 0.00 | 2.79 | 0.81 | 1.11 | 4.71 | 2.90 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.5 | 0.0 | 0. | 0.00 |
| 214 | 27.200 | 30.84 | 0.00 | 1.00 | 0.00 | 7.27 | 14.25 | 0.00 | 15.82 | 0.00 | 2.77 | 0.79 | 1.09 | 4.65 | 2.89 | 4.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.6 | 0.0 | 0. | 0.00 |
| 215 | 27.100 | 30.91 | 0.00 | 1.00 | 0.00 | 7.28 | 14.08 | 0.00 | 15.76 | 0.00 | 2.75 | 0.77 | 1.08 | 4.60 | 2.89 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.7 | 0.0 | 0. | 0.00 |
| 216 | 27.000 | 30.98 | 0.00 | 1.00 | 0.00 | 7.29 | 13.92 | 0.00 | 15.71 | 0.00 | 2.74 | 0.75 | 1.06 | 4.55 | 2.88 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.8 | 0.0 | 0. | 0.00 |
| 217 | 26.900 | 31.05 | 0.00 | 1.00 | 0.00 | 7.30 | 13.76 | 0.00 | 15.67 | 0.00 | 2.72 | 0.73 | 1.04 | 4.50 | 2.87 | 4.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.9 | 0.0 | 0. | 0.00 |
| 218 | 26.800 | 31.12 | 0.00 | 1.00 | 0.00 | 7.31 | 13.60 | 0.00 | 15.63 | 0.00 | 2.71 | 0.72 | 1.03 | 4.45 | 2.87 | 4.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 219 | 26.700 | 31.19 | 0.00 | 1.00 | 0.00 | 7.32 | 13.45 | 0.00 | 15.60 | 0.00 | 2.69 | 0.70 | 1.02 | 4.41 | 2.86 | 4.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 220 | 26.600 | 31.26 | 0.00 | 1.00 | 0.00 | 7.27 | 14.18 | 0.00 | 16.44 | 0.00 | 2.72 | 0.82 | 1.01 | 4.56 | 2.90 | 4.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 221 | 26.500 | 31.34 | 0.00 | 1.00 | 0.00 | 7.28 | 14.02 | 0.00 | 16.41 | 0.00 | 2.71 | 0.80 | 1.00 | 4.51 | 2.90 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.3 | 0.0 | 0. | 0.00 |
| 222 | 26.400 | 31.41 | 0.00 | 1.00 | 0.00 | 7.29 | 13.88 | 0.00 | 16.37 | 0.00 | 2.69 | 0.79 | 0.99 | 4.47 | 2.89 | 4.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.4 | 0.0 | 0. | 0.00 |
| 223 | 26.300 | 31.48 | 0.00 | 1.00 | 0.00 | 7.30 | 13.73 | 0.00 | 16.35 | 0.00 | 2.68 | 0.77 | 0.98 | 4.42 | 2.89 | 4.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.5 | 0.0 | 0. | 0.00 |
| 224 | 26.200 | 31.55 | 0.00 | 1.00 | 0.00 | 7.31 | 13.59 | 0.00 | 16.33 | 0.00 | 2.67 | 0.75 | 0.96 | 4.38 | 2.88 | 4.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.6 | 0.0 | 0. | 0.00 |
| 225 | 26.100 | 31.62 | 0.00 | 1.00 | 0.00 | 7.31 | 13.46 | 0.00 | 16.31 | 0.00 | 2.65 | 0.73 | 0.95 | 4.34 | 2.88 | 4.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.7 | 0.0 | 0. | 0.00 |
| 226 | 26.000 | 31.69 | 0.00 | 1.00 | 0.00 | 7.32 | 13.33 | 0.00 | 16.29 | 0.00 | 2.64 | 0.72 | 0.94 | 4.30 | 2.88 | 4.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.8 | 0.0 | 0. | 0.00 |
| 227 | 25.900 | 31.76 | 0.00 | 1.00 | 0.00 | 7.32 | 13.20 | 0.00 | 16.29 | 0.00 | 2.63 | 0.70 | 0.93 | 4.26 | 2.87 | 4.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.9 | 0.0 | 0. | 0.00 |
| 228 | 25.800 | 31.83 | 0.00 | 1.00 | 0.00 | 7.32 | 13.18 | 0.00 | 16.38 | 0.00 | 2.62 | 0.70 | 0.92 | 4.24 | 2.88 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.0 | 0.0 | 0. | 0.00 |
| 229 | 25.700 | 31.90 | 0.00 | 1.00 | 0.00 | 7.33 | 13.06 | 0.00 | 16.37 | 0.00 | 2.61 | 0.69 | 0.91 | 4.21 | 2.88 | 4.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.1 | 0.0 | 0. | 0.00 |
| 230 | 25.600 | 31.97 | 0.00 | 1.00 | 0.00 | 7.33 | 12.94 | 0.00 | 16.38 | 0.00 | 2.60 | 0.67 | 0.90 | 4.17 | 2.87 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.1 | 0.0 | 0. | 0.00 |
| 231 | 25.500 | 32.04 | 0.00 | 1.00 | 0.00 | 7.34 | 12.83 | 0.00 | 16.38 | 0.00 | 2.59 | 0.66 | 0.88 | 4.13 | 2.87 | 4.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.2 | 0.0 | 0. | 0.00 |
| 232 | 25.400 | 32.11 | 0.00 | 1.00 | 0.00 | 7.34 | 12.72 | 0.00 | 16.39 | 0.00 | 2.58 | 0.65 | 0.87 | 4.10 | 2.87 | 4.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.3 | 0.0 | 0. | 0.00 |
| 233 | 25.300 | 32.18 | 0.00 | 1.00 | 0.00 | 7.34 | 12.61 | 0.00 | 16.40 | 0.00 | 2.57 | 0.63 | 0.86 | 4.07 | 2.87 | 4.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.4 | 0.0 | 0. | 0.00 |
| 234 | 25.200 | 32.25 | 0.00 | 1.00 | 0.00 | 7.35 | 12.51 | 0.00 | 16.41 | 0.00 | 2.56 | 0.62 | 0.85 | 4.03 | 2.87 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.5 | 0.0 | 0. | 0.00 |
| 235 | 25.100 | 32.32 | 0.00 | 1.00 | 0.00 | 7.35 | 12.41 | 0.00 | 16.42 | 0.00 | 2.55 | 0.61 | 0.84 | 4.00 | 2.87 | 4.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.6 | 0.0 | 0. | 0.00 |
| 236 | 25.000 | 32.39 | 0.00 | 1.00 | 0.00 | 7.15 | 15.37 | 0.00 | 19.50 | 0.00 | 2.64 | 1.13 | 0.92 | 4.69 | 2.97 | 5.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.7 | 0.0 | 0. | 0.00 |
| 237 | 24.900 | 32.46 | 0.00 | 1.00 | 0.00 | 7.17 | 15.24 | 0.00 | 19.49 | 0.00 | 2.63 | 1.10 | 0.92 | 4.65 | 2.97 | 4.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.8 | 0.0 | 0. | 0.00 |
| 238 | 24.800 | 32.53 | 0.00 | 1.00 | 0.00 | 7.19 | 15.11 | 0.00 | 19.48 | 0.00 | 2.62 | 1.08 | 0.91 | 4.61 | 2.97 | 4.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.9 | 0.0 | 0. | 0.00 |
| 239 | 24.700 | 32.60 | 0.00 | 1.00 | 0.00 | 7.49 | 12.66 | 0.00 | 17.15 | 0.00 | 2.33 | 0.73 | 0.68 | 3.73 | 2.69 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 204 | 28.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 205 | 28.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 206 | 28.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 207 | 27.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 208 | 27.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 209 | 27.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 210 | 27.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 211 | 27.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 212 | 27.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 213 | 27.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 214 | 27.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 215 | 27.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 216 | 27.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 217 | 26.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 218 | 26.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 219 | 26.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 220 | 26.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 221 | 26.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 222 | 26.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 23.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 223 | 26.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 24.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 224 | 26.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 25.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 225 | 26.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 26.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 226 | 26.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 27.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 227 | 25.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 28.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 228 | 25.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 30.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 229 | 25.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 31.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 230 | 25.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 32.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 231 | 25.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 33.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 232 | 25.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 34.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 233 | 25.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 35.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 234 | 25.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 36.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 235 | 25.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 37.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 236 | 25.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 38.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 237 | 24.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 39.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 238 | 24.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 40.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 239 | 24.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 42.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 4 Pontchatoula (YWRC to EPON) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | UPR RCH | -0.01976 | 32.60 | 0.00 | 1.00 | 0.00 | 7.49 | 12.66 | 0.00 | 17.15 | 0.00 | 2.33 | 0.73 | 0.68 | 0.00 | 42.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00035 | 29.00 | 0.00 | 0.00 | 0.00 | 6.85 | 8.00 | 0.00 | | | 1.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| 277 | WSTLD | 0.00079 | 29.80 | 0.00 | 0.00 | 0.00 | 2.30 | 66.90 | 0.00 | 66.90 | 0.00 | 4.90 | 9.70 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.70 | 24.60 | -0.01941 | 42.7 | -0.01533 | -0.08 | 35.59 | 0.41 | 3.08 | 126.60 | 308.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.015 |
| 241 | 24.60 | 24.50 | -0.01906 | 43.5 | -0.01509 | -0.08 | 35.51 | 0.41 | 3.08 | 126.30 | 308.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.015 |
| 242 | 24.50 | 24.40 | -0.01870 | 44.3 | -0.01484 | -0.08 | 35.43 | 0.41 | 3.08 | 126.00 | 308.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.015 |
| 243 | 24.40 | 24.30 | -0.01835 | 45.2 | -0.01460 | -0.08 | 35.35 | 0.41 | 3.08 | 125.70 | 308.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.015 |
| 244 | 24.30 | 24.20 | -0.01800 | 46.1 | -0.01435 | -0.08 | 35.27 | 0.41 | 3.08 | 125.39 | 308.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.014 |
| 245 | 24.20 | 24.10 | -0.01765 | 47.0 | -0.01411 | -0.08 | 35.19 | 0.41 | 3.08 | 125.07 | 308.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.014 |
| 246 | 24.10 | 24.00 | -0.01729 | 47.9 | -0.01386 | -0.08 | 35.11 | 0.41 | 3.08 | 124.75 | 308.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.014 |
| 247 | 24.00 | 23.90 | -0.01694 | 48.9 | -0.01362 | -0.09 | 35.02 | 0.40 | 3.08 | 124.42 | 308.00 | 1.24 | 0.00 | 0.000 | 0.000 | 0.014 |
| 248 | 23.90 | 23.80 | -0.01659 | 50.0 | -0.01337 | -0.09 | 34.93 | 0.40 | 3.08 | 124.09 | 308.00 | 1.24 | 0.00 | 0.000 | 0.000 | 0.013 |
| 249 | 23.80 | 23.70 | -0.01624 | 51.1 | -0.01312 | -0.09 | 34.85 | 0.40 | 3.08 | 123.75 | 308.00 | 1.24 | 0.00 | 0.000 | 0.000 | 0.013 |
| 250 | 23.70 | 23.60 | -0.01588 | 52.2 | -0.01287 | -0.09 | 34.76 | 0.40 | 3.08 | 123.40 | 308.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.013 |
| 251 | 23.60 | 23.50 | -0.01553 | 53.4 | -0.01262 | -0.09 | 34.66 | 0.40 | 3.08 | 123.05 | 308.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.013 |
| 252 | 23.50 | 23.40 | -0.01518 | 54.6 | -0.01237 | -0.09 | 34.57 | 0.40 | 3.08 | 122.69 | 308.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.012 |
| 253 | 23.40 | 23.30 | -0.01483 | 55.9 | -0.01212 | -0.10 | 34.47 | 0.40 | 3.08 | 122.32 | 308.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.012 |
| 254 | 23.30 | 23.20 | -0.01447 | 57.3 | -0.01187 | -0.10 | 34.38 | 0.40 | 3.08 | 121.94 | 308.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.012 |
| 255 | 23.20 | 23.10 | -0.01412 | 58.7 | -0.01162 | -0.10 | 34.28 | 0.39 | 3.08 | 121.56 | 308.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.012 |
| 256 | 23.10 | 23.00 | -0.01377 | 60.2 | -0.01136 | -0.10 | 34.18 | 0.39 | 3.08 | 121.17 | 308.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.011 |
| 257 | 23.00 | 22.90 | -0.01342 | 61.8 | -0.01111 | -0.10 | 34.07 | 0.39 | 3.08 | 120.77 | 308.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.011 |
| 258 | 22.90 | 22.80 | -0.01306 | 63.5 | -0.01085 | -0.11 | 33.96 | 0.39 | 3.08 | 120.36 | 308.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.011 |
| 259 | 22.80 | 22.70 | -0.01271 | 65.2 | -0.01060 | -0.11 | 33.86 | 0.39 | 3.08 | 119.94 | 308.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.011 |
| 260 | 22.70 | 22.60 | -0.01236 | 67.1 | -0.01034 | -0.11 | 33.74 | 0.39 | 3.08 | 119.51 | 308.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.010 |
| 261 | 22.60 | 22.50 | -0.01201 | 69.0 | -0.01008 | -0.11 | 33.63 | 0.39 | 3.08 | 119.07 | 308.00 | 1.19 | 0.00 | 0.000 | 0.000 | 0.010 |
| 262 | 22.50 | 22.40 | -0.01165 | 71.1 | -0.00982 | -0.12 | 33.51 | 0.39 | 3.08 | 118.62 | 308.00 | 1.19 | 0.00 | 0.000 | 0.000 | 0.010 |
| 263 | 22.40 | 22.30 | -0.01130 | 73.4 | -0.00956 | -0.12 | 33.39 | 0.38 | 3.08 | 118.15 | 308.00 | 1.18 | 0.00 | 0.000 | 0.000 | 0.010 |
| 264 | 22.30 | 22.20 | -0.01095 | 75.7 | -0.00930 | -0.12 | 33.27 | 0.38 | 3.08 | 117.67 | 308.00 | 1.18 | 0.00 | 0.000 | 0.000 | 0.009 |
| 265 | 22.20 | 22.10 | -0.01060 | 78.2 | -0.00904 | -0.13 | 33.14 | 0.38 | 3.08 | 117.18 | 308.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.009 |
| 266 | 22.10 | 22.00 | -0.01024 | 80.9 | -0.00878 | -0.13 | 33.01 | 0.38 | 3.08 | 116.68 | 308.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.009 |
| 267 | 22.00 | 21.90 | -0.00989 | 83.8 | -0.00851 | -0.14 | 32.87 | 0.38 | 3.08 | 116.16 | 308.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 268 | 21.90 | 21.80 | -0.00954 | 86.9 | -0.00825 | -0.14 | 32.73 | 0.38 | 3.08 | 115.62 | 308.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 269 | 21.80 | 21.70 | -0.00919 | 90.2 | -0.00798 | -0.14 | 32.58 | 0.37 | 3.08 | 115.07 | 308.00 | 1.15 | 0.00 | 0.000 | 0.000 | 0.008 |
| 270 | 21.70 | 21.60 | -0.00883 | 93.9 | -0.00771 | -0.15 | 32.43 | 0.37 | 3.08 | 114.49 | 308.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.008 |
| 271 | 21.60 | 21.50 | -0.00848 | 97.8 | -0.00745 | -0.16 | 32.28 | 0.37 | 3.08 | 113.90 | 308.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.007 |
| 272 | 21.50 | 21.40 | -0.00813 | 102.0 | -0.00717 | -0.16 | 32.12 | 0.37 | 3.08 | 113.28 | 308.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.007 |
| 273 | 21.40 | 21.30 | -0.00778 | 106.6 | -0.00690 | -0.17 | 31.95 | 0.37 | 3.08 | 112.64 | 308.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.007 |
| 274 | 21.30 | 21.20 | -0.00742 | 111.7 | -0.00663 | -0.17 | 31.78 | 0.36 | 3.08 | 111.98 | 308.00 | 1.12 | 0.00 | 0.000 | 0.000 | 0.007 |
| 275 | 21.20 | 21.10 | -0.00707 | 117.2 | -0.00635 | -0.18 | 31.59 | 0.36 | 3.08 | 111.28 | 308.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.006 |
| 276 | 21.10 | 21.00 | -0.00672 | 123.4 | -0.00608 | -0.19 | 31.40 | 0.36 | 3.08 | 110.56 | 308.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.006 |
| 277 | 21.00 | 20.90 | -0.00558 | 134.5 | -0.00516 | -0.22 | 31.18 | 0.35 | 3.08 | 107.96 | 308.00 | 1.08 | 0.00 | 0.000 | 0.000 | 0.005 |
| 278 | 20.90 | 20.80 | -0.00522 | 143.6 | -0.00488 | -0.24 | 30.94 | 0.35 | 3.08 | 107.06 | 308.00 | 1.07 | 0.00 | 0.000 | 0.000 | 0.005 |
| 279 | 20.80 | 20.70 | -0.00487 | 154.0 | -0.00459 | -0.25 | 30.69 | 0.34 | 3.08 | 106.11 | 308.00 | 1.06 | 0.00 | 0.000 | 0.000 | 0.005 |
| TOT | | | | | | -4.97 | | | | 4752.24 | 12320.00 | | | | | |
| AVG | | | | | -0.0093 | | | 0.39 | 3.08 | | | 1.19 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 7.24 | 2.70 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 24.500 | 7.25 | 2.69 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 24.400 | 7.25 | 2.68 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 24.300 | 7.26 | 2.68 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 24.200 | 7.27 | 2.67 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 24.100 | 7.28 | 2.66 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 24.000 | 7.29 | 2.66 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 23.900 | 7.29 | 2.65 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 23.800 | 7.30 | 2.64 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 23.700 | 7.31 | 2.64 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 23.600 | 7.32 | 2.63 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 23.500 | 7.33 | 2.62 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 23.400 | 7.33 | 2.62 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 23.300 | 7.34 | 2.61 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 23.200 | 7.35 | 2.60 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 23.100 | 7.36 | 2.60 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 23.000 | 7.37 | 2.59 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 22.900 | 7.38 | 2.59 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 22.800 | 7.38 | 2.58 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 22.700 | 7.39 | 2.58 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 22.600 | 7.40 | 2.57 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 22.500 | 7.41 | 2.57 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 22.400 | 7.42 | 2.56 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 22.300 | 7.42 | 2.56 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 22.200 | 7.43 | 2.55 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 22.100 | 7.44 | 2.55 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 22.000 | 7.45 | 2.54 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 21.900 | 7.46 | 2.54 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 21.800 | 7.47 | 2.54 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 21.700 | 7.47 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 21.600 | 7.48 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 21.500 | 7.49 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 21.400 | 7.50 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 21.300 | 7.51 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 21.200 | 7.52 | 2.52 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 21.100 | 7.52 | 2.52 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 21.000 | 7.53 | 2.52 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 20.900 | 7.54 | 2.54 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 20.800 | 7.55 | 2.54 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 20.700 | 7.56 | 2.55 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 32.53 | 0.00 | 1.00 | 0.00 | 8.06 | 8.65 | 0.00 | 13.02 | 0.00 | 1.84 | 0.14 | 0.29 | 2.27 | 2.19 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.0 | 0.0 | 0. | 0.00 |
| 241 | 24.500 | 32.47 | 0.00 | 1.00 | 0.00 | 8.04 | 8.72 | 0.00 | 13.00 | 0.00 | 1.84 | 0.15 | 0.31 | 2.30 | 2.19 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.0 | 0.0 | 0. | 0.00 |
| 242 | 24.400 | 32.40 | 0.00 | 1.00 | 0.00 | 8.01 | 8.81 | 0.00 | 12.97 | 0.00 | 1.85 | 0.15 | 0.32 | 2.32 | 2.18 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.0 | 0.0 | 0. | 0.00 |
| 243 | 24.300 | 32.34 | 0.00 | 1.00 | 0.00 | 7.98 | 8.89 | 0.00 | 12.96 | 0.00 | 1.85 | 0.16 | 0.34 | 2.34 | 2.17 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 244 | 24.200 | 32.27 | 0.00 | 1.00 | 0.00 | 7.95 | 8.99 | 0.00 | 12.94 | 0.00 | 1.85 | 0.16 | 0.36 | 2.37 | 2.17 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 245 | 24.100 | 32.21 | 0.00 | 1.00 | 0.00 | 7.92 | 9.08 | 0.00 | 12.93 | 0.00 | 1.85 | 0.17 | 0.38 | 2.40 | 2.16 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.0 | 0.0 | 0. | 0.00 |
| 246 | 24.000 | 32.15 | 0.00 | 1.00 | 0.00 | 7.90 | 9.18 | 0.00 | 12.92 | 0.00 | 1.85 | 0.17 | 0.39 | 2.42 | 2.15 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.0 | 0.0 | 0. | 0.00 |
| 247 | 23.900 | 32.08 | 0.00 | 1.00 | 0.00 | 7.87 | 9.29 | 0.00 | 12.92 | 0.00 | 1.86 | 0.18 | 0.41 | 2.45 | 2.15 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.0 | 0.0 | 0. | 0.00 |
| 248 | 23.800 | 32.01 | 0.00 | 1.00 | 0.00 | 7.84 | 9.40 | 0.00 | 12.93 | 0.00 | 1.86 | 0.19 | 0.43 | 2.48 | 2.14 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.1 | 0.0 | 0. | 0.00 |
| 249 | 23.700 | 31.95 | 0.00 | 1.00 | 0.00 | 7.81 | 9.52 | 0.00 | 12.94 | 0.00 | 1.86 | 0.19 | 0.45 | 2.51 | 2.13 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.1 | 0.0 | 0. | 0.00 |
| 250 | 23.600 | 31.88 | 0.00 | 1.00 | 0.00 | 7.77 | 9.64 | 0.00 | 12.96 | 0.00 | 1.86 | 0.20 | 0.47 | 2.54 | 2.13 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.1 | 0.0 | 0. | 0.00 |
| 251 | 23.500 | 31.82 | 0.00 | 1.00 | 0.00 | 7.74 | 9.77 | 0.00 | 12.98 | 0.00 | 1.87 | 0.21 | 0.49 | 2.57 | 2.12 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.1 | 0.0 | 0. | 0.00 |
| 252 | 23.400 | 31.75 | 0.00 | 1.00 | 0.00 | 7.71 | 9.91 | 0.00 | 13.02 | 0.00 | 1.87 | 0.22 | 0.51 | 2.60 | 2.12 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.1 | 0.0 | 0. | 0.00 |
| 253 | 23.300 | 31.69 | 0.00 | 1.00 | 0.00 | 7.68 | 10.06 | 0.00 | 13.06 | 0.00 | 1.87 | 0.23 | 0.54 | 2.64 | 2.11 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.1 | 0.0 | 0. | 0.00 |
| 254 | 23.200 | 31.62 | 0.00 | 1.00 | 0.00 | 7.64 | 10.21 | 0.00 | 13.11 | 0.00 | 1.87 | 0.24 | 0.56 | 2.67 | 2.10 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.1 | 0.0 | 0. | 0.00 |
| 255 | 23.100 | 31.56 | 0.00 | 1.00 | 0.00 | 7.61 | 10.38 | 0.00 | 13.16 | 0.00 | 1.88 | 0.25 | 0.58 | 2.71 | 2.10 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.1 | 0.0 | 0. | 0.00 |
| 256 | 23.000 | 31.49 | 0.00 | 1.00 | 0.00 | 7.57 | 10.55 | 0.00 | 13.23 | 0.00 | 1.88 | 0.26 | 0.60 | 2.75 | 2.09 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.1 | 0.0 | 0. | 0.00 |
| 257 | 22.900 | 31.43 | 0.00 | 1.00 | 0.00 | 7.54 | 10.74 | 0.00 | 13.31 | 0.00 | 1.88 | 0.28 | 0.63 | 2.79 | 2.09 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.1 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 258 | 22.800 | 31.36 | 0.00 | 1.00 | 0.00 | 7.50 | 10.93 | 0.00 | 13.40 | 0.00 | 1.89 | 0.29 | 0.65 | 2.83 | 2.08 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.1 | 0.0 | 0. | 0.00 |
| 259 | 22.700 | 31.30 | 0.00 | 1.00 | 0.00 | 7.46 | 11.15 | 0.00 | 13.51 | 0.00 | 1.89 | 0.31 | 0.68 | 2.88 | 2.08 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.1 | 0.0 | 0. | 0.00 |
| 260 | 22.600 | 31.23 | 0.00 | 1.00 | 0.00 | 7.42 | 11.37 | 0.00 | 13.63 | 0.00 | 1.89 | 0.33 | 0.70 | 2.92 | 2.07 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.1 | 0.0 | 0. | 0.00 |
| 261 | 22.500 | 31.17 | 0.00 | 1.00 | 0.00 | 7.38 | 11.61 | 0.00 | 13.76 | 0.00 | 1.90 | 0.35 | 0.73 | 2.97 | 2.07 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 262 | 22.400 | 31.10 | 0.00 | 1.00 | 0.00 | 7.33 | 11.87 | 0.00 | 13.91 | 0.00 | 1.90 | 0.37 | 0.75 | 3.02 | 2.06 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0. | 0.00 |
| 263 | 22.300 | 31.04 | 0.00 | 1.00 | 0.00 | 7.28 | 12.14 | 0.00 | 14.08 | 0.00 | 1.90 | 0.39 | 0.78 | 3.08 | 2.06 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.2 | 0.0 | 0. | 0.00 |
| 264 | 22.200 | 30.97 | 0.00 | 1.00 | 0.00 | 7.24 | 12.44 | 0.00 | 14.27 | 0.00 | 1.91 | 0.42 | 0.81 | 3.14 | 2.06 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.2 | 0.0 | 0. | 0.00 |
| 265 | 22.100 | 30.91 | 0.00 | 1.00 | 0.00 | 7.18 | 12.76 | 0.00 | 14.49 | 0.00 | 1.91 | 0.45 | 0.84 | 3.20 | 2.05 | 3.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.2 | 0.0 | 0. | 0.00 |
| 266 | 22.000 | 30.84 | 0.00 | 1.00 | 0.00 | 7.13 | 13.11 | 0.00 | 14.73 | 0.00 | 1.92 | 0.48 | 0.86 | 3.27 | 2.05 | 3.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.2 | 0.0 | 0. | 0.00 |
| 267 | 21.900 | 30.78 | 0.00 | 1.00 | 0.00 | 7.07 | 13.48 | 0.00 | 14.99 | 0.00 | 1.93 | 0.52 | 0.89 | 3.34 | 2.05 | 3.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.2 | 0.0 | 0. | 0.00 |
| 268 | 21.800 | 30.72 | 0.00 | 1.00 | 0.00 | 7.00 | 13.89 | 0.00 | 15.29 | 0.00 | 1.93 | 0.56 | 0.92 | 3.41 | 2.04 | 3.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.2 | 0.0 | 0. | 0.00 |
| 269 | 21.700 | 30.65 | 0.00 | 1.00 | 0.00 | 6.94 | 14.33 | 0.00 | 15.63 | 0.00 | 1.94 | 0.61 | 0.95 | 3.50 | 2.04 | 3.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.2 | 0.0 | 0. | 0.00 |
| 270 | 21.600 | 30.58 | 0.00 | 1.00 | 0.00 | 6.86 | 14.81 | 0.00 | 16.00 | 0.00 | 1.94 | 0.67 | 0.97 | 3.58 | 2.04 | 3.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.2 | 0.0 | 0. | 0.00 |
| 271 | 21.500 | 30.52 | 0.00 | 1.00 | 0.00 | 6.78 | 15.33 | 0.00 | 16.42 | 0.00 | 1.95 | 0.73 | 1.00 | 3.68 | 2.04 | 3.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.2 | 0.0 | 0. | 0.00 |
| 272 | 21.400 | 30.45 | 0.00 | 1.00 | 0.00 | 6.68 | 15.91 | 0.00 | 16.89 | 0.00 | 1.96 | 0.79 | 1.02 | 3.78 | 2.04 | 3.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.2 | 0.0 | 0. | 0.00 |
| 273 | 21.300 | 30.39 | 0.00 | 1.00 | 0.00 | 6.58 | 16.54 | 0.00 | 17.42 | 0.00 | 1.97 | 0.87 | 1.05 | 3.89 | 2.04 | 3.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.2 | 0.0 | 0. | 0.00 |
| 274 | 21.200 | 30.33 | 0.00 | 1.00 | 0.00 | 6.46 | 17.24 | 0.00 | 18.01 | 0.00 | 1.98 | 0.97 | 1.07 | 4.01 | 2.04 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.2 | 0.0 | 0. | 0.00 |
| 275 | 21.100 | 30.26 | 0.00 | 1.00 | 0.00 | 6.32 | 18.01 | 0.00 | 18.68 | 0.00 | 1.99 | 1.07 | 1.08 | 4.14 | 2.04 | 4.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.2 | 0.0 | 0. | 0.00 |
| 276 | 21.000 | 30.19 | 0.00 | 1.00 | 0.00 | 6.15 | 18.88 | 0.00 | 19.43 | 0.00 | 2.00 | 1.20 | 1.09 | 4.28 | 2.04 | 4.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. | 0.00 |
| 277 | 20.900 | 30.13 | 0.00 | 1.00 | 0.00 | 5.94 | 19.84 | 0.00 | 20.29 | 0.00 | 2.01 | 1.34 | 1.09 | 4.44 | 2.05 | 4.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 278 | 20.800 | 30.07 | 0.00 | 1.00 | 0.00 | 6.14 | 14.41 | 0.00 | 14.75 | 0.00 | 1.62 | 0.35 | 0.95 | 2.91 | 1.65 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 279 | 20.700 | 30.00 | 0.00 | 1.00 | 0.00 | 5.50 | 15.23 | 0.00 | 15.47 | 0.00 | 1.61 | 0.40 | 1.01 | 3.02 | 1.63 | 3.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 41.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 241 | 24.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 40.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 242 | 24.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 39.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 243 | 24.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 38.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 244 | 24.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 37.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 245 | 24.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 36.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 246 | 24.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 35.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 247 | 23.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 34.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 248 | 23.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 33.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 249 | 23.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 32.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 250 | 23.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 31.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 251 | 23.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 30.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 252 | 23.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 29.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 253 | 23.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 28.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 254 | 23.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 27.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 255 | 23.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 26.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 256 | 23.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 25.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 257 | 22.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 24.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 258 | 22.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 23.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 259 | 22.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 260 | 22.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 261 | 22.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 262 | 22.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 263 | 22.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 264 | 22.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 265 | 22.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 266 | 22.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 267 | 21.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 268 | 21.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 269 | 21.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 270 | 21.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 271 | 21.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 272 | 21.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 273 | 21.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 274 | 21.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 275 | 21.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 276 | 21.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 277 | 20.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 278 | 20.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 279 | 20.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 6 Pontchatoula (EPON to Arnold) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | UPR RCH | -0.00487 | 30.00 | 0.00 | 1.00 | 0.00 | 5.50 | 15.23 | 0.00 | 15.47 | 0.00 | 1.61 | 0.40 | 1.01 | 0.00 | 2.25 | 0.00 | 0.00 |
| 389 | TRIB | 0.01740 | 30.00 | 0.00 | 1.00 | 0.00 | 2.99 | 12.21 | 0.00 | 12.45 | 0.00 | 1.77 | 0.50 | 1.30 | 0.00 | 2.25 | 0.00 | 0.00 |
| EACH | INCR | 0.00510 | 29.00 | 0.00 | 0.00 | 0.00 | 6.85 | 30.00 | 0.00 | | | 1.00 | 0.29 | 0.37 | 0.00 | 0.00 | 0.00 | |
| 393 | WSTLD | 0.00039 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | WSTLD | 0.00183 | 29.80 | 0.00 | 0.00 | 0.00 | 3.00 | 53.50 | 0.00 | 53.50 | 0.00 | 3.90 | 7.75 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | WSTLD | 0.00183 | 29.80 | 0.00 | 0.00 | 0.00 | 3.00 | 53.50 | 0.00 | 53.50 | 0.00 | 3.90 | 7.75 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | WSTLD | 0.00017 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.70 | 20.60 | 0.01763 | -16.6 | 0.05428 | 0.02 | 30.71 | 0.10 | 3.20 | 32.48 | 320.00 | 0.32 | 0.00 | 0.000 | 0.000 | 0.054 |
| 390 | 20.60 | 20.50 | 0.02273 | -12.9 | 0.06775 | 0.02 | 30.73 | 0.10 | 3.20 | 33.55 | 320.00 | 0.34 | 0.00 | 0.000 | 0.000 | 0.068 |
| 391 | 20.50 | 20.40 | 0.02784 | -10.5 | 0.08084 | 0.01 | 30.74 | 0.11 | 3.20 | 34.43 | 320.00 | 0.34 | 0.00 | 0.000 | 0.000 | 0.081 |
| 392 | 20.40 | 20.30 | 0.03294 | -8.9 | 0.09362 | 0.01 | 30.75 | 0.11 | 3.20 | 35.18 | 320.00 | 0.35 | 0.00 | 0.000 | 0.000 | 0.094 |
| 393 | 20.30 | 20.20 | 0.03843 | -6.6 | 0.10711 | 0.01 | 30.77 | 0.11 | 3.20 | 35.88 | 320.00 | 0.36 | 0.00 | 0.000 | 0.000 | 0.107 |
| 394 | 20.20 | 20.10 | 0.04353 | -5.8 | 0.11941 | 0.01 | 30.77 | 0.11 | 3.20 | 36.46 | 320.00 | 0.36 | 0.00 | 0.000 | 0.000 | 0.119 |
| 395 | 20.10 | 20.00 | 0.04863 | -5.2 | 0.13153 | 0.01 | 30.78 | 0.12 | 3.20 | 36.98 | 320.00 | 0.37 | 0.00 | 0.000 | 0.000 | 0.132 |
| 396 | 20.00 | 19.90 | 0.05374 | -4.7 | 0.14349 | 0.01 | 30.79 | 0.12 | 3.20 | 37.45 | 320.00 | 0.37 | 0.00 | 0.000 | 0.000 | 0.143 |
| 397 | 19.90 | 19.80 | 0.05884 | -4.3 | 0.15530 | 0.01 | 30.80 | 0.12 | 3.20 | 37.89 | 320.00 | 0.38 | 0.00 | 0.000 | 0.000 | 0.155 |
| 398 | 19.80 | 19.70 | 0.06394 | -4.0 | 0.16699 | 0.01 | 30.81 | 0.12 | 3.20 | 38.29 | 320.00 | 0.38 | 0.00 | 0.000 | 0.000 | 0.167 |
| 399 | 19.70 | 19.60 | 0.06904 | -3.7 | 0.17855 | 0.01 | 30.81 | 0.12 | 3.20 | 38.67 | 320.00 | 0.39 | 0.00 | 0.000 | 0.000 | 0.179 |
| 400 | 19.60 | 19.50 | 0.07414 | -3.4 | 0.19001 | 0.01 | 30.82 | 0.12 | 3.20 | 39.02 | 320.00 | 0.39 | 0.00 | 0.000 | 0.000 | 0.190 |
| 401 | 19.50 | 19.40 | 0.07925 | -3.2 | 0.20136 | 0.01 | 30.82 | 0.12 | 3.20 | 39.35 | 320.00 | 0.39 | 0.00 | 0.000 | 0.000 | 0.201 |
| 402 | 19.40 | 19.30 | 0.08435 | -3.0 | 0.21263 | 0.01 | 30.83 | 0.12 | 3.20 | 39.67 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.213 |
| 403 | 19.30 | 19.20 | 0.08945 | -2.8 | 0.22380 | 0.01 | 30.83 | 0.12 | 3.20 | 39.97 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.224 |
| 404 | 19.20 | 19.10 | 0.09455 | -2.7 | 0.23490 | 0.00 | 30.84 | 0.13 | 3.20 | 40.25 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.235 |
| 405 | 19.10 | 19.00 | 0.09965 | -2.5 | 0.24592 | 0.00 | 30.84 | 0.13 | 3.20 | 40.52 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.246 |
| 406 | 19.00 | 18.90 | 0.10476 | -2.4 | 0.25687 | 0.00 | 30.85 | 0.13 | 3.20 | 40.78 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.257 |
| 407 | 18.90 | 18.80 | 0.10986 | -2.3 | 0.26774 | 0.00 | 30.85 | 0.13 | 3.20 | 41.03 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.268 |
| 408 | 18.80 | 18.70 | 0.11496 | -2.2 | 0.27856 | 0.00 | 30.86 | 0.13 | 3.20 | 41.27 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.279 |
| 409 | 18.70 | 18.60 | 0.12006 | -2.1 | 0.28931 | 0.00 | 30.86 | 0.13 | 3.20 | 41.50 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.289 |
| 410 | 18.60 | 18.50 | 0.12516 | -2.0 | 0.30001 | 0.00 | 30.87 | 0.13 | 3.20 | 41.72 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.300 |
| 411 | 18.50 | 18.40 | 0.13027 | -1.9 | 0.31065 | 0.00 | 30.87 | 0.13 | 3.20 | 41.93 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.311 |
| 412 | 18.40 | 18.30 | 0.13537 | -1.9 | 0.32124 | 0.00 | 30.87 | 0.13 | 3.20 | 42.14 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.321 |
| 413 | 18.30 | 18.20 | 0.14047 | -1.8 | 0.33177 | 0.00 | 30.88 | 0.13 | 3.20 | 42.34 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.332 |
| 414 | 18.20 | 18.10 | 0.14557 | -1.7 | 0.34226 | 0.00 | 30.88 | 0.13 | 3.20 | 42.53 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.342 |
| 415 | 18.10 | 18.00 | 0.15068 | -1.7 | 0.35270 | 0.00 | 30.88 | 0.13 | 3.20 | 42.72 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.353 |
| 416 | 18.00 | 17.90 | 0.15578 | -1.6 | 0.36310 | 0.00 | 30.89 | 0.13 | 3.20 | 42.90 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.363 |
| 417 | 17.90 | 17.80 | 0.16088 | -1.6 | 0.37345 | 0.00 | 30.89 | 0.13 | 3.20 | 43.08 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.373 |
| 418 | 17.80 | 17.70 | 0.16598 | -1.5 | 0.38376 | 0.00 | 30.89 | 0.14 | 3.20 | 43.25 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.384 |
| 419 | 17.70 | 17.60 | 0.17108 | -1.5 | 0.39403 | 0.00 | 30.90 | 0.14 | 3.20 | 43.42 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.394 |
| 420 | 17.60 | 17.50 | 0.17619 | -1.4 | 0.40426 | 0.00 | 30.90 | 0.14 | 3.20 | 43.58 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.404 |
| 421 | 17.50 | 17.40 | 0.18129 | -1.4 | 0.41445 | 0.00 | 30.90 | 0.14 | 3.20 | 43.74 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.414 |
| 422 | 17.40 | 17.30 | 0.18639 | -1.4 | 0.42461 | 0.00 | 30.90 | 0.14 | 3.20 | 43.90 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.425 |
| 423 | 17.30 | 17.20 | 0.19149 | -1.3 | 0.43473 | 0.00 | 30.91 | 0.14 | 3.20 | 44.05 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.435 |
| 424 | 17.20 | 17.10 | 0.19659 | -1.3 | 0.44482 | 0.00 | 30.91 | 0.14 | 3.20 | 44.20 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.445 |
| 425 | 17.10 | 17.00 | 0.20170 | -1.3 | 0.45487 | 0.00 | 30.91 | 0.14 | 3.20 | 44.34 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.455 |
| 426 | 17.00 | 16.90 | 0.20680 | -1.2 | 0.46489 | 0.00 | 30.91 | 0.14 | 3.20 | 44.48 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.465 |
| 427 | 16.90 | 16.80 | 0.21190 | -1.2 | 0.47488 | 0.00 | 30.92 | 0.14 | 3.20 | 44.62 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.475 |
| 428 | 16.80 | 16.70 | 0.21883 | -0.3 | 0.48840 | 0.00 | 30.92 | 0.14 | 3.20 | 44.81 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.488 |
| 429 | 16.70 | 16.60 | 0.22393 | -0.3 | 0.49832 | 0.00 | 30.92 | 0.14 | 3.20 | 44.94 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.498 |
| 430 | 16.60 | 16.50 | 0.22904 | -0.3 | 0.50821 | 0.00 | 30.92 | 0.14 | 3.20 | 45.07 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.508 |
| 431 | 16.50 | 16.40 | 0.23414 | -0.3 | 0.51807 | 0.00 | 30.93 | 0.14 | 3.20 | 45.19 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.518 |
| 432 | 16.40 | 16.30 | 0.23924 | -0.3 | 0.52791 | 0.00 | 30.93 | 0.14 | 3.20 | 45.32 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.528 |
| 433 | 16.30 | 16.20 | 0.24434 | -0.3 | 0.53771 | 0.00 | 30.93 | 0.14 | 3.20 | 45.44 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.538 |
| 434 | 16.20 | 16.10 | 0.24944 | -0.3 | 0.54750 | 0.00 | 30.93 | 0.14 | 3.20 | 45.56 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.547 |
| 435 | 16.10 | 16.00 | 0.25455 | -0.3 | 0.55725 | 0.00 | 30.93 | 0.14 | 3.20 | 45.68 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.557 |
| 436 | 16.00 | 15.90 | 0.25965 | -0.3 | 0.56698 | 0.00 | 30.94 | 0.14 | 3.20 | 45.79 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.567 |
| 437 | 15.90 | 15.80 | 0.26475 | -0.3 | 0.57669 | 0.00 | 30.94 | 0.14 | 3.20 | 45.91 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.577 |
| 438 | 15.80 | 15.70 | 0.26985 | -0.3 | 0.58637 | 0.00 | 30.94 | 0.14 | 3.20 | 46.02 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.586 |
| 439 | 15.70 | 15.60 | 0.27495 | -0.3 | 0.59603 | 0.00 | 30.94 | 0.14 | 3.20 | 46.13 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.596 |
| 440 | 15.60 | 15.50 | 0.28006 | -0.3 | 0.60567 | 0.00 | 30.94 | 0.14 | 3.20 | 46.24 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.606 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 441 | 15.50 | 15.40 | 0.28516 | -0.2 | 0.61528 | 0.00 | 30.95 | 0.14 | 3.20 | 46.35 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.615 |
| 442 | 15.40 | 15.30 | 0.29026 | -0.2 | 0.62487 | 0.00 | 30.95 | 0.15 | 3.20 | 46.45 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.625 |
| 443 | 15.30 | 15.20 | 0.29536 | -0.2 | 0.63444 | 0.00 | 30.95 | 0.15 | 3.20 | 46.55 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.634 |
| 444 | 15.20 | 15.10 | 0.30046 | -0.2 | 0.64399 | 0.00 | 30.95 | 0.15 | 3.20 | 46.66 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.644 |
| 445 | 15.10 | 15.00 | 0.30557 | -0.2 | 0.65352 | 0.00 | 30.95 | 0.15 | 3.20 | 46.76 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.654 |
| 446 | 15.00 | 14.90 | 0.31067 | -0.2 | 0.66303 | 0.00 | 30.95 | 0.15 | 3.20 | 46.86 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.663 |
| 447 | 14.90 | 14.80 | 0.31577 | -0.2 | 0.67252 | 0.00 | 30.96 | 0.15 | 3.20 | 46.95 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.673 |
| 448 | 14.80 | 14.70 | 0.32087 | -0.2 | 0.68198 | 0.00 | 30.96 | 0.15 | 3.20 | 47.05 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.682 |
| 449 | 14.70 | 14.60 | 0.32597 | -0.2 | 0.69143 | 0.00 | 30.96 | 0.15 | 3.20 | 47.14 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.691 |
| 450 | 14.60 | 14.50 | 0.33108 | -0.2 | 0.70087 | 0.00 | 30.96 | 0.15 | 3.20 | 47.24 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.701 |
| 451 | 14.50 | 14.40 | 0.33618 | -0.2 | 0.71028 | 0.00 | 30.96 | 0.15 | 3.20 | 47.33 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.710 |
| 452 | 14.40 | 14.30 | 0.34311 | 0.3 | 0.72304 | 0.00 | 30.96 | 0.15 | 3.20 | 47.45 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.723 |
| 453 | 14.30 | 14.20 | 0.34821 | 0.3 | 0.73241 | 0.00 | 30.97 | 0.15 | 3.20 | 47.54 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.732 |
| 454 | 14.20 | 14.10 | 0.35331 | 0.3 | 0.74176 | 0.00 | 30.97 | 0.15 | 3.20 | 47.63 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.742 |
| 455 | 14.10 | 14.00 | 0.35842 | 0.3 | 0.75109 | 0.00 | 30.97 | 0.15 | 3.20 | 47.72 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.751 |
| 456 | 14.00 | 13.90 | 0.36369 | 0.4 | 0.76072 | 0.00 | 30.97 | 0.15 | 3.20 | 47.81 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.761 |
| 457 | 13.90 | 13.80 | 0.36879 | 0.3 | 0.77002 | 0.00 | 30.97 | 0.15 | 3.20 | 47.89 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.770 |
| 458 | 13.80 | 13.70 | 0.37389 | 0.3 | 0.77931 | 0.00 | 30.97 | 0.15 | 3.20 | 47.98 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.779 |
| 459 | 13.70 | 13.60 | 0.37899 | 0.3 | 0.78857 | 0.00 | 30.98 | 0.15 | 3.20 | 48.06 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.789 |
| 460 | 13.60 | 13.50 | 0.38410 | 0.3 | 0.79783 | 0.00 | 30.98 | 0.15 | 3.20 | 48.14 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.798 |
| 461 | 13.50 | 13.40 | 0.38920 | 0.3 | 0.80706 | 0.00 | 30.98 | 0.15 | 3.20 | 48.22 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.807 |
| 462 | 13.40 | 13.30 | 0.39430 | 0.3 | 0.81628 | 0.00 | 30.98 | 0.15 | 3.20 | 48.30 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.816 |
| 463 | 13.30 | 13.20 | 0.39940 | 0.3 | 0.82549 | 0.00 | 30.98 | 0.15 | 3.20 | 48.38 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.825 |
| 464 | 13.20 | 13.10 | 0.40450 | 0.3 | 0.83468 | 0.00 | 30.98 | 0.15 | 3.20 | 48.46 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.835 |
| 465 | 13.10 | 13.00 | 0.40961 | 0.3 | 0.84386 | 0.00 | 30.98 | 0.15 | 3.20 | 48.54 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.844 |
| 466 | 13.00 | 12.90 | 0.41471 | 0.3 | 0.85302 | 0.00 | 30.99 | 0.15 | 3.20 | 48.62 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.853 |
| 467 | 12.90 | 12.80 | 0.41981 | 0.3 | 0.86217 | 0.00 | 30.99 | 0.15 | 3.20 | 48.69 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.862 |
| 468 | 12.80 | 12.70 | 0.42491 | 0.3 | 0.87130 | 0.00 | 30.99 | 0.15 | 3.20 | 48.77 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.871 |
| 469 | 12.70 | 12.60 | 0.43002 | 0.3 | 0.88042 | 0.00 | 30.99 | 0.15 | 3.20 | 48.84 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.880 |
| 470 | 12.60 | 12.50 | 0.43512 | 0.3 | 0.88952 | 0.00 | 30.99 | 0.15 | 3.20 | 48.92 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.890 |
| 471 | 12.50 | 12.40 | 0.44022 | 0.3 | 0.89861 | 0.00 | 30.99 | 0.15 | 3.20 | 48.99 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.899 |
| 472 | 12.40 | 12.30 | 0.44532 | 0.3 | 0.90769 | 0.00 | 30.99 | 0.15 | 3.20 | 49.06 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.908 |
| 473 | 12.30 | 12.20 | 0.45042 | 0.3 | 0.91676 | 0.00 | 30.99 | 0.15 | 3.20 | 49.13 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.917 |
| 474 | 12.20 | 12.10 | 0.45553 | 0.3 | 0.92581 | 0.00 | 31.00 | 0.15 | 3.20 | 49.20 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.926 |
| 475 | 12.10 | 12.00 | 0.46063 | 0.3 | 0.93485 | 0.00 | 31.00 | 0.15 | 3.20 | 49.27 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.935 |
| 476 | 12.00 | 11.90 | 0.46573 | 0.3 | 0.94387 | 0.00 | 31.00 | 0.15 | 3.20 | 49.34 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.944 |
| 477 | 11.90 | 11.80 | 0.47083 | 0.3 | 0.95289 | 0.00 | 31.00 | 0.15 | 3.20 | 49.41 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.953 |
| 478 | 11.80 | 11.70 | 0.47593 | 0.3 | 0.96189 | 0.00 | 31.00 | 0.15 | 3.20 | 49.48 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.962 |
| 479 | 11.70 | 11.60 | 0.48104 | 0.3 | 0.97088 | 0.00 | 31.00 | 0.15 | 3.20 | 49.55 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.971 |
| 480 | 11.60 | 11.50 | 0.48614 | 0.3 | 0.97985 | 0.00 | 31.00 | 0.16 | 3.20 | 49.61 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.980 |
| 481 | 11.50 | 11.40 | 0.49124 | 0.3 | 0.98882 | 0.00 | 31.00 | 0.16 | 3.20 | 49.68 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.989 |
| 482 | 11.40 | 11.30 | 0.49634 | 0.3 | 0.99777 | 0.00 | 31.01 | 0.16 | 3.20 | 49.75 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.998 |
| 483 | 11.30 | 11.20 | 0.50144 | 0.3 | 1.00671 | 0.00 | 31.01 | 0.16 | 3.20 | 49.81 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.007 |
| 484 | 11.20 | 11.10 | 0.50655 | 0.3 | 1.01564 | 0.00 | 31.01 | 0.16 | 3.20 | 49.87 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.016 |
| 485 | 11.10 | 11.00 | 0.51165 | 0.3 | 1.02456 | 0.00 | 31.01 | 0.16 | 3.20 | 49.94 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.025 |
| 486 | 11.00 | 10.90 | 0.51675 | 0.2 | 1.03346 | 0.00 | 31.01 | 0.16 | 3.20 | 50.00 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.033 |
| TOT | | | | | | 0.32 | | | | 4395.10 | 31360.00 | | | | | |
| AVG | | | | | 0.3539 | | | 0.14 | 3.20 | | | 0.45 | | | | |

*************************************************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS ***************************************************************************

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 7.55 | 12.04 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.56 | 0.56 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 20.500 | 7.55 | 12.05 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.57 | 0.57 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 20.400 | 7.54 | 12.05 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.57 | 0.57 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 20.300 | 7.54 | 12.06 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.57 | 0.57 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 20.200 | 7.53 | 12.07 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.57 | 0.57 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 20.100 | 7.53 | 12.08 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.57 | 0.57 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 20.000 | 7.52 | 12.09 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.57 | 0.57 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 19.900 | 7.52 | 12.10 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.57 | 0.57 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 19.800 | 7.51 | 12.10 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.58 | 0.58 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 19.700 | 7.51 | 12.11 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.58 | 0.58 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 19.600 | 7.50 | 12.12 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.58 | 0.58 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 19.500 | 7.50 | 12.13 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.58 | 0.58 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 19.400 | 7.49 | 12.14 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.58 | 0.58 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 19.300 | 7.49 | 12.14 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.58 | 0.58 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 19.200 | 7.48 | 12.15 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.58 | 0.58 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 404 | 19.100 | 7.48 | 12.16 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.59 | 0.59 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 405 | 19.000 | 7.47 | 12.17 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.59 | 0.59 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 406 | 18.900 | 7.47 | 12.18 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.59 | 0.59 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 407 | 18.800 | 7.46 | 12.19 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.59 | 0.59 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 408 | 18.700 | 7.46 | 12.19 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.59 | 0.59 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 409 | 18.600 | 7.45 | 12.20 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.59 | 0.59 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 410 | 18.500 | 7.45 | 12.21 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.60 | 0.60 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 411 | 18.400 | 7.44 | 12.22 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.60 | 0.60 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 412 | 18.300 | 7.44 | 12.23 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.60 | 0.60 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | 18.200 | 7.43 | 12.24 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.60 | 0.60 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 414 | 18.100 | 7.43 | 12.24 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.60 | 0.60 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 415 | 18.000 | 7.42 | 12.25 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.60 | 0.60 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 416 | 17.900 | 7.42 | 12.26 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.60 | 0.60 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 417 | 17.800 | 7.41 | 12.27 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.61 | 0.61 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 418 | 17.700 | 7.41 | 12.28 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.61 | 0.61 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 17.600 | 7.40 | 12.29 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.61 | 0.61 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 420 | 17.500 | 7.40 | 12.29 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.61 | 0.61 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 17.400 | 7.39 | 12.30 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.61 | 0.61 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 17.300 | 7.38 | 12.31 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.61 | 0.61 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 17.200 | 7.38 | 12.32 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.61 | 0.61 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 17.100 | 7.38 | 12.33 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.62 | 0.62 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 17.000 | 7.37 | 12.34 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.62 | 0.62 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 16.900 | 7.37 | 12.34 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.62 | 0.62 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 16.800 | 7.36 | 12.35 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.62 | 0.62 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 16.700 | 7.36 | 12.36 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.62 | 0.62 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 16.600 | 7.35 | 12.37 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.62 | 0.62 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 16.500 | 7.35 | 12.38 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.63 | 0.63 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 16.400 | 7.34 | 12.39 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.63 | 0.63 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 16.300 | 7.34 | 12.40 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.63 | 0.63 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 16.200 | 7.33 | 12.40 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.63 | 0.63 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 16.100 | 7.33 | 12.41 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.63 | 0.63 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 16.000 | 7.32 | 12.42 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.63 | 0.63 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 15.900 | 7.32 | 12.43 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.64 | 0.64 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 15.800 | 7.31 | 12.44 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.64 | 0.64 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 15.700 | 7.31 | 12.45 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.64 | 0.64 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 15.600 | 7.30 | 12.45 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.64 | 0.64 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 15.500 | 7.30 | 12.46 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.64 | 0.64 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 15.400 | 7.29 | 12.47 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.64 | 0.64 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 15.300 | 7.29 | 12.48 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.64 | 0.64 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 15.200 | 7.28 | 12.49 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 15.100 | 7.28 | 12.50 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 15.000 | 7.27 | 12.50 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 14.900 | 7.27 | 12.51 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 14.800 | 7.26 | 12.52 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 14.700 | 7.26 | 12.53 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 14.600 | 7.25 | 12.54 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.66 | 0.66 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 14.500 | 7.25 | 12.54 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.66 | 0.66 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 14.400 | 7.24 | 12.55 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.66 | 0.66 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 14.300 | 7.24 | 12.56 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.66 | 0.66 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 14.200 | 7.23 | 12.57 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.66 | 0.66 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 14.100 | 7.23 | 12.58 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.66 | 0.66 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 14.000 | 7.22 | 12.59 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.67 | 0.67 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 13.900 | 7.22 | 12.60 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.67 | 0.67 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 13.800 | 7.21 | 12.60 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.67 | 0.67 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 13.700 | 7.21 | 12.61 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.67 | 0.67 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 13.600 | 7.20 | 12.62 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.67 | 0.67 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 13.500 | 7.20 | 12.63 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.67 | 0.67 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 13.400 | 7.19 | 12.64 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.68 | 0.68 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 13.300 | 7.19 | 12.65 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.68 | 0.68 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 13.200 | 7.19 | 12.65 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.68 | 0.68 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 13.100 | 7.18 | 12.66 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.68 | 0.68 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 13.000 | 7.18 | 12.67 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.68 | 0.68 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 12.900 | 7.17 | 12.68 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.68 | 0.68 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 12.800 | 7.17 | 12.69 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 0.69 | 0.69 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 12.700 | 7.16 | 12.70 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 0.69 | 0.69 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 12.600 | 7.16 | 12.70 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 0.69 | 0.69 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 12.500 | 7.15 | 12.71 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 0.69 | 0.69 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 12.400 | 7.15 | 12.72 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 0.69 | 0.69 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 12.300 | 7.14 | 12.73 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.70 | 0.70 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 12.200 | 7.14 | 12.74 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.70 | 0.70 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 12.100 | 7.13 | 12.75 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.70 | 0.70 | 0.01 | 0.00 | 0.52 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 12.000 | 7.13 | 12.76 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.70 | 0.70 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 11.900 | 7.12 | 12.76 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.70 | 0.70 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 11.800 | 7.12 | 12.77 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.70 | 0.70 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 11.700 | 7.11 | 12.78 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.71 | 0.71 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 11.600 | 7.11 | 12.79 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.71 | 0.71 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 11.500 | 7.10 | 12.80 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.71 | 0.71 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 481 | 11.400 | 7.10 | 12.81 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.71 | 0.71 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 11.300 | 7.09 | 12.81 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.71 | 0.71 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 11.200 | 7.09 | 12.82 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.71 | 0.71 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 11.100 | 7.09 | 12.83 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 0.72 | 0.72 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 11.000 | 7.08 | 12.84 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 0.72 | 0.72 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 10.900 | 7.08 | 12.85 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 0.72 | 0.72 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 10.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 30.04 | 0.00 | 1.00 | 0.00 | 4.38 | 16.19 | 0.00 | 16.45 | 0.00 | 1.59 | 0.45 | 1.09 | 3.13 | 1.62 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 390 | 20.500 | 30.08 | 0.00 | 1.00 | 0.00 | 5.29 | 19.23 | 0.00 | 19.51 | 0.00 | 1.46 | 0.41 | 0.93 | 2.80 | 1.48 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 391 | 20.400 | 30.12 | 0.00 | 1.00 | 0.00 | 5.78 | 21.15 | 0.00 | 21.45 | 0.00 | 1.38 | 0.39 | 0.82 | 2.59 | 1.40 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 392 | 20.300 | 30.16 | 0.00 | 1.00 | 0.00 | 6.08 | 22.47 | 0.00 | 22.79 | 0.00 | 1.32 | 0.37 | 0.75 | 2.44 | 1.34 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 393 | 20.200 | 30.20 | 0.00 | 1.00 | 0.00 | 6.24 | 23.89 | 0.00 | 24.24 | 0.00 | 1.31 | 0.46 | 0.72 | 2.49 | 1.34 | 2.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 394 | 20.100 | 30.24 | 0.00 | 1.00 | 0.00 | 6.38 | 24.57 | 0.00 | 24.94 | 0.00 | 1.28 | 0.44 | 0.68 | 2.39 | 1.31 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 395 | 20.000 | 30.28 | 0.00 | 1.00 | 0.00 | 6.48 | 25.10 | 0.00 | 25.49 | 0.00 | 1.25 | 0.42 | 0.64 | 2.31 | 1.28 | 2.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 396 | 19.900 | 30.32 | 0.00 | 1.00 | 0.00 | 6.56 | 25.53 | 0.00 | 25.94 | 0.00 | 1.22 | 0.41 | 0.62 | 2.25 | 1.26 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 397 | 19.800 | 30.36 | 0.00 | 1.00 | 0.00 | 6.61 | 25.89 | 0.00 | 26.32 | 0.00 | 1.20 | 0.39 | 0.60 | 2.20 | 1.24 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 398 | 19.700 | 30.40 | 0.00 | 1.00 | 0.00 | 6.66 | 26.19 | 0.00 | 26.64 | 0.00 | 1.19 | 0.39 | 0.58 | 2.15 | 1.22 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 399 | 19.600 | 30.44 | 0.00 | 1.00 | 0.00 | 6.70 | 26.44 | 0.00 | 26.92 | 0.00 | 1.17 | 0.38 | 0.56 | 2.12 | 1.21 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 400 | 19.500 | 30.48 | 0.00 | 1.00 | 0.00 | 6.72 | 26.66 | 0.00 | 27.16 | 0.00 | 1.16 | 0.37 | 0.55 | 2.08 | 1.20 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 401 | 19.400 | 30.52 | 0.00 | 1.00 | 0.00 | 6.75 | 26.85 | 0.00 | 27.37 | 0.00 | 1.15 | 0.36 | 0.54 | 2.06 | 1.19 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 402 | 19.300 | 30.56 | 0.00 | 1.00 | 0.00 | 6.77 | 27.01 | 0.00 | 27.56 | 0.00 | 1.14 | 0.36 | 0.53 | 2.03 | 1.18 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.1 | 0.0 | 0. | 0.00 |
| 403 | 19.200 | 30.60 | 0.00 | 1.00 | 0.00 | 6.78 | 27.16 | 0.00 | 27.73 | 0.00 | 1.13 | 0.35 | 0.52 | 2.01 | 1.18 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. | 0.00 |
| 404 | 19.100 | 30.64 | 0.00 | 1.00 | 0.00 | 6.80 | 27.29 | 0.00 | 27.88 | 0.00 | 1.13 | 0.35 | 0.51 | 1.99 | 1.17 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.5 | 0.0 | 0. | 0.00 |
| 405 | 19.000 | 30.68 | 0.00 | 1.00 | 0.00 | 6.81 | 27.41 | 0.00 | 28.02 | 0.00 | 1.12 | 0.35 | 0.51 | 1.97 | 1.17 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. | 0.00 |
| 406 | 18.900 | 30.72 | 0.00 | 1.00 | 0.00 | 6.82 | 27.52 | 0.00 | 28.15 | 0.00 | 1.11 | 0.34 | 0.50 | 1.96 | 1.16 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |
| 407 | 18.800 | 30.76 | 0.00 | 1.00 | 0.00 | 6.83 | 27.61 | 0.00 | 28.26 | 0.00 | 1.11 | 0.34 | 0.49 | 1.94 | 1.16 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.1 | 0.0 | 0. | 0.00 |
| 408 | 18.700 | 30.80 | 0.00 | 1.00 | 0.00 | 6.84 | 27.70 | 0.00 | 28.37 | 0.00 | 1.10 | 0.34 | 0.49 | 1.93 | 1.16 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.3 | 0.0 | 0. | 0.00 |
| 409 | 18.600 | 30.84 | 0.00 | 1.00 | 0.00 | 6.84 | 27.78 | 0.00 | 28.47 | 0.00 | 1.10 | 0.33 | 0.48 | 1.92 | 1.15 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.5 | 0.0 | 0. | 0.00 |
| 410 | 18.500 | 30.88 | 0.00 | 1.00 | 0.00 | 6.85 | 27.86 | 0.00 | 28.57 | 0.00 | 1.10 | 0.33 | 0.48 | 1.91 | 1.15 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.7 | 0.0 | 0. | 0.00 |
| 411 | 18.400 | 30.92 | 0.00 | 1.00 | 0.00 | 6.85 | 27.92 | 0.00 | 28.66 | 0.00 | 1.09 | 0.33 | 0.47 | 1.90 | 1.15 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.9 | 0.0 | 0. | 0.00 |
| 412 | 18.300 | 30.96 | 0.00 | 1.00 | 0.00 | 6.86 | 27.99 | 0.00 | 28.74 | 0.00 | 1.09 | 0.33 | 0.47 | 1.89 | 1.15 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.1 | 0.0 | 0. | 0.00 |
| 413 | 18.200 | 30.99 | 0.00 | 1.00 | 0.00 | 6.86 | 28.04 | 0.00 | 28.82 | 0.00 | 1.08 | 0.33 | 0.47 | 1.88 | 1.15 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.3 | 0.0 | 0. | 0.00 |
| 414 | 18.100 | 31.03 | 0.00 | 1.00 | 0.00 | 6.86 | 28.10 | 0.00 | 28.90 | 0.00 | 1.08 | 0.32 | 0.46 | 1.87 | 1.15 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.5 | 0.0 | 0. | 0.00 |
| 415 | 18.000 | 31.07 | 0.00 | 1.00 | 0.00 | 6.86 | 28.15 | 0.00 | 28.97 | 0.00 | 1.08 | 0.32 | 0.46 | 1.86 | 1.14 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.7 | 0.0 | 0. | 0.00 |
| 416 | 17.900 | 31.11 | 0.00 | 1.00 | 0.00 | 6.87 | 28.19 | 0.00 | 29.04 | 0.00 | 1.08 | 0.32 | 0.46 | 1.86 | 1.14 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.9 | 0.0 | 0. | 0.00 |
| 417 | 17.800 | 31.15 | 0.00 | 1.00 | 0.00 | 6.87 | 28.24 | 0.00 | 29.10 | 0.00 | 1.07 | 0.32 | 0.46 | 1.85 | 1.14 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.1 | 0.0 | 0. | 0.00 |
| 418 | 17.700 | 31.19 | 0.00 | 1.00 | 0.00 | 6.87 | 28.28 | 0.00 | 29.17 | 0.00 | 1.07 | 0.32 | 0.45 | 1.84 | 1.14 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.3 | 0.0 | 0. | 0.00 |
| 419 | 17.600 | 31.23 | 0.00 | 1.00 | 0.00 | 6.87 | 28.32 | 0.00 | 29.23 | 0.00 | 1.07 | 0.32 | 0.45 | 1.84 | 1.14 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.5 | 0.0 | 0. | 0.00 |
| 420 | 17.500 | 31.27 | 0.00 | 1.00 | 0.00 | 6.87 | 28.35 | 0.00 | 29.28 | 0.00 | 1.07 | 0.32 | 0.45 | 1.83 | 1.14 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.7 | 0.0 | 0. | 0.00 |
| 421 | 17.400 | 31.31 | 0.00 | 1.00 | 0.00 | 6.87 | 28.39 | 0.00 | 29.34 | 0.00 | 1.07 | 0.32 | 0.45 | 1.83 | 1.14 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.9 | 0.0 | 0. | 0.00 |
| 422 | 17.300 | 31.35 | 0.00 | 1.00 | 0.00 | 6.87 | 28.42 | 0.00 | 29.39 | 0.00 | 1.06 | 0.31 | 0.44 | 1.82 | 1.14 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.1 | 0.0 | 0. | 0.00 |
| 423 | 17.200 | 31.39 | 0.00 | 1.00 | 0.00 | 6.88 | 28.45 | 0.00 | 29.44 | 0.00 | 1.06 | 0.31 | 0.44 | 1.82 | 1.14 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.3 | 0.0 | 0. | 0.00 |
| 424 | 17.100 | 31.43 | 0.00 | 1.00 | 0.00 | 6.88 | 28.48 | 0.00 | 29.50 | 0.00 | 1.06 | 0.31 | 0.44 | 1.81 | 1.14 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.5 | 0.0 | 0. | 0.00 |
| 425 | 17.000 | 31.47 | 0.00 | 1.00 | 0.00 | 6.88 | 28.51 | 0.00 | 29.54 | 0.00 | 1.06 | 0.31 | 0.44 | 1.81 | 1.14 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.7 | 0.0 | 0. | 0.00 |
| 426 | 16.900 | 31.51 | 0.00 | 1.00 | 0.00 | 6.88 | 28.53 | 0.00 | 29.59 | 0.00 | 1.06 | 0.31 | 0.44 | 1.81 | 1.14 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.9 | 0.0 | 0. | 0.00 |
| 427 | 16.800 | 31.55 | 0.00 | 1.00 | 0.00 | 6.88 | 28.56 | 0.00 | 29.64 | 0.00 | 1.06 | 0.31 | 0.44 | 1.80 | 1.14 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.1 | 0.0 | 0. | 0.00 |
| 428 | 16.700 | 31.59 | 0.00 | 1.00 | 0.00 | 6.84 | 28.79 | 0.00 | 29.89 | 0.00 | 1.08 | 0.37 | 0.45 | 1.90 | 1.17 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.3 | 0.0 | 0. | 0.00 |
| 429 | 16.600 | 31.63 | 0.00 | 1.00 | 0.00 | 6.85 | 28.81 | 0.00 | 29.93 | 0.00 | 1.08 | 0.37 | 0.45 | 1.89 | 1.17 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.5 | 0.0 | 0. | 0.00 |
| 430 | 16.500 | 31.67 | 0.00 | 1.00 | 0.00 | 6.85 | 28.82 | 0.00 | 29.97 | 0.00 | 1.07 | 0.37 | 0.44 | 1.89 | 1.17 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.7 | 0.0 | 0. | 0.00 |
| 431 | 16.400 | 31.71 | 0.00 | 1.00 | 0.00 | 6.85 | 28.84 | 0.00 | 30.01 | 0.00 | 1.07 | 0.37 | 0.44 | 1.88 | 1.17 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.9 | 0.0 | 0. | 0.00 |
| 432 | 16.300 | 31.75 | 0.00 | 1.00 | 0.00 | 6.85 | 28.85 | 0.00 | 30.04 | 0.00 | 1.07 | 0.36 | 0.44 | 1.88 | 1.17 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.1 | 0.0 | 0. | 0.00 |
| 433 | 16.200 | 31.79 | 0.00 | 1.00 | 0.00 | 6.85 | 28.87 | 0.00 | 30.08 | 0.00 | 1.07 | 0.36 | 0.44 | 1.87 | 1.17 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.3 | 0.0 | 0. | 0.00 |
| 434 | 16.100 | 31.83 | 0.00 | 1.00 | 0.00 | 6.85 | 28.88 | 0.00 | 30.11 | 0.00 | 1.07 | 0.36 | 0.44 | 1.87 | 1.17 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.5 | 0.0 | 0. | 0.00 |
| 435 | 16.000 | 31.87 | 0.00 | 1.00 | 0.00 | 6.85 | 28.90 | 0.00 | 30.15 | 0.00 | 1.07 | 0.36 | 0.44 | 1.86 | 1.17 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.7 | 0.0 | 0. | 0.00 |
| 436 | 15.900 | 31.91 | 0.00 | 1.00 | 0.00 | 6.85 | 28.91 | 0.00 | 30.18 | 0.00 | 1.07 | 0.36 | 0.44 | 1.86 | 1.17 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.9 | 0.0 | 0. | 0.00 |
| 437 | 15.800 | 31.95 | 0.00 | 1.00 | 0.00 | 6.85 | 28.92 | 0.00 | 30.22 | 0.00 | 1.06 | 0.35 | 0.43 | 1.85 | 1.17 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.1 | 0.0 | 0. | 0.00 |
| 438 | 15.700 | 31.99 | 0.00 | 1.00 | 0.00 | 6.85 | 28.93 | 0.00 | 30.25 | 0.00 | 1.06 | 0.35 | 0.43 | 1.85 | 1.17 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.3 | 0.0 | 0. | 0.00 |
| 439 | 15.600 | 32.03 | 0.00 | 1.00 | 0.00 | 6.85 | 28.94 | 0.00 | 30.28 | 0.00 | 1.06 | 0.35 | 0.43 | 1.85 | 1.17 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.5 | 0.0 | 0. | 0.00 |
| 440 | 15.500 | 32.07 | 0.00 | 1.00 | 0.00 | 6.85 | 28.95 | 0.00 | 30.31 | 0.00 | 1.06 | 0.35 | 0.43 | 1.84 | 1.17 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.7 | 0.0 | 0. | 0.00 |
| 441 | 15.400 | 32.11 | 0.00 | 1.00 | 0.00 | 6.85 | 28.97 | 0.00 | 30.35 | 0.00 | 1.06 | 0.35 | 0.43 | 1.84 | 1.17 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.9 | 0.0 | 0. | 0.00 |
| 442 | 15.300 | 32.15 | 0.00 | 1.00 | 0.00 | 6.85 | 28.98 | 0.00 | 30.38 | 0.00 | 1.06 | 0.35 | 0.43 | 1.84 | 1.17 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.1 | 0.0 | 0. | 0.00 |
| 443 | 15.200 | 32.19 | 0.00 | 1.00 | 0.00 | 6.85 | 28.99 | 0.00 | 30.41 | 0.00 | 1.06 | 0.35 | 0.43 | 1.83 | 1.17 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.3 | 0.0 | 0. | 0.00 |
| 444 | 15.100 | 32.23 | 0.00 | 1.00 | 0.00 | 6.85 | 28.99 | 0.00 | 30.44 | 0.00 | 1.06 | 0.35 | 0.43 | 1.83 | 1.17 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.5 | 0.0 | 0. | 0.00 |
| 445 | 15.000 | 32.27 | 0.00 | 1.00 | 0.00 | 6.85 | 29.00 | 0.00 | 30.47 | 0.00 | 1.06 | 0.34 | 0.43 | 1.83 | 1.17 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.7 | 0.0 | 0. | 0.00 |
| 446 | 14.900 | 32.31 | 0.00 | 1.00 | 0.00 | 6.85 | 29.01 | 0.00 | 30.50 | 0.00 | 1.05 | 0.34 | 0.43 | 1.82 | 1.17 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.9 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 447 | 14.800 | 32.35 | 0.00 | 1.00 | 0.00 | 6.85 | 29.02 | 0.00 | 30.53 | 0.00 | 1.05 | 0.34 | 0.42 | 1.82 | 1.17 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.1 | 0.0 | 0. | 0.00 |
| 448 | 14.700 | 32.39 | 0.00 | 1.00 | 0.00 | 6.85 | 29.03 | 0.00 | 30.56 | 0.00 | 1.05 | 0.34 | 0.42 | 1.82 | 1.17 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.3 | 0.0 | 0. | 0.00 |
| 449 | 14.600 | 32.43 | 0.00 | 1.00 | 0.00 | 6.85 | 29.04 | 0.00 | 30.59 | 0.00 | 1.05 | 0.34 | 0.42 | 1.81 | 1.18 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.5 | 0.0 | 0. | 0.00 |
| 450 | 14.500 | 32.47 | 0.00 | 1.00 | 0.00 | 6.85 | 29.04 | 0.00 | 30.62 | 0.00 | 1.05 | 0.34 | 0.42 | 1.81 | 1.18 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.7 | 0.0 | 0. | 0.00 |
| 451 | 14.400 | 32.51 | 0.00 | 1.00 | 0.00 | 6.85 | 29.05 | 0.00 | 30.65 | 0.00 | 1.05 | 0.34 | 0.42 | 1.81 | 1.18 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.9 | 0.0 | 0. | 0.00 |
| 452 | 14.300 | 32.55 | 0.00 | 1.00 | 0.00 | 6.83 | 29.19 | 0.00 | 30.81 | 0.00 | 1.06 | 0.38 | 0.43 | 1.87 | 1.19 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.1 | 0.0 | 0. | 0.00 |
| 453 | 14.200 | 32.59 | 0.00 | 1.00 | 0.00 | 6.83 | 29.19 | 0.00 | 30.83 | 0.00 | 1.06 | 0.37 | 0.43 | 1.87 | 1.19 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.3 | 0.0 | 0. | 0.00 |
| 454 | 14.100 | 32.63 | 0.00 | 1.00 | 0.00 | 6.83 | 29.20 | 0.00 | 30.86 | 0.00 | 1.06 | 0.37 | 0.43 | 1.86 | 1.20 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.6 | 0.0 | 0. | 0.00 |
| 455 | 14.000 | 32.67 | 0.00 | 1.00 | 0.00 | 6.83 | 29.20 | 0.00 | 30.89 | 0.00 | 1.06 | 0.37 | 0.43 | 1.86 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.8 | 0.0 | 0. | 0.00 |
| 456 | 13.900 | 32.71 | 0.00 | 1.00 | 0.00 | 6.82 | 29.19 | 0.00 | 30.90 | 0.00 | 1.06 | 0.37 | 0.43 | 1.86 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.0 | 0.0 | 0. | 0.00 |
| 457 | 13.800 | 32.75 | 0.00 | 1.00 | 0.00 | 6.82 | 29.20 | 0.00 | 30.92 | 0.00 | 1.06 | 0.37 | 0.43 | 1.85 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.2 | 0.0 | 0. | 0.00 |
| 458 | 13.700 | 32.79 | 0.00 | 1.00 | 0.00 | 6.82 | 29.20 | 0.00 | 30.95 | 0.00 | 1.06 | 0.37 | 0.43 | 1.85 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.4 | 0.0 | 0. | 0.00 |
| 459 | 13.600 | 32.83 | 0.00 | 1.00 | 0.00 | 6.82 | 29.21 | 0.00 | 30.98 | 0.00 | 1.06 | 0.37 | 0.42 | 1.85 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.6 | 0.0 | 0. | 0.00 |
| 460 | 13.500 | 32.87 | 0.00 | 1.00 | 0.00 | 6.82 | 29.21 | 0.00 | 31.00 | 0.00 | 1.06 | 0.36 | 0.42 | 1.85 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.8 | 0.0 | 0. | 0.00 |
| 461 | 13.400 | 32.91 | 0.00 | 1.00 | 0.00 | 6.82 | 29.21 | 0.00 | 31.03 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.0 | 0.0 | 0. | 0.00 |
| 462 | 13.300 | 32.94 | 0.00 | 1.00 | 0.00 | 6.82 | 29.22 | 0.00 | 31.05 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.2 | 0.0 | 0. | 0.00 |
| 463 | 13.200 | 32.98 | 0.00 | 1.00 | 0.00 | 6.82 | 29.22 | 0.00 | 31.08 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.4 | 0.0 | 0. | 0.00 |
| 464 | 13.100 | 33.02 | 0.00 | 1.00 | 0.00 | 6.82 | 29.23 | 0.00 | 31.10 | 0.00 | 1.05 | 0.36 | 0.42 | 1.84 | 1.20 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.6 | 0.0 | 0. | 0.00 |
| 465 | 13.000 | 33.06 | 0.00 | 1.00 | 0.00 | 6.82 | 29.23 | 0.00 | 31.13 | 0.00 | 1.05 | 0.36 | 0.42 | 1.83 | 1.20 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.8 | 0.0 | 0. | 0.00 |
| 466 | 12.900 | 33.10 | 0.00 | 1.00 | 0.00 | 6.82 | 29.23 | 0.00 | 31.15 | 0.00 | 1.05 | 0.36 | 0.42 | 1.83 | 1.21 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 0.0 | 0. | 0.00 |
| 467 | 12.800 | 33.14 | 0.00 | 1.00 | 0.00 | 6.82 | 29.24 | 0.00 | 31.18 | 0.00 | 1.05 | 0.36 | 0.42 | 1.83 | 1.21 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.2 | 0.0 | 0. | 0.00 |
| 468 | 12.700 | 33.18 | 0.00 | 1.00 | 0.00 | 6.82 | 29.24 | 0.00 | 31.20 | 0.00 | 1.05 | 0.36 | 0.42 | 1.83 | 1.21 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.4 | 0.0 | 0. | 0.00 |
| 469 | 12.600 | 33.22 | 0.00 | 1.00 | 0.00 | 6.81 | 29.24 | 0.00 | 31.23 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 1.21 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.6 | 0.0 | 0. | 0.00 |
| 470 | 12.500 | 33.26 | 0.00 | 1.00 | 0.00 | 6.81 | 29.25 | 0.00 | 31.25 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 1.21 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.8 | 0.0 | 0. | 0.00 |
| 471 | 12.400 | 33.30 | 0.00 | 1.00 | 0.00 | 6.81 | 29.25 | 0.00 | 31.28 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 1.21 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 472 | 12.300 | 33.34 | 0.00 | 1.00 | 0.00 | 6.81 | 29.25 | 0.00 | 31.30 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 1.21 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.2 | 0.0 | 0. | 0.00 |
| 473 | 12.200 | 33.38 | 0.00 | 1.00 | 0.00 | 6.81 | 29.25 | 0.00 | 31.32 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 1.21 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.4 | 0.0 | 0. | 0.00 |
| 474 | 12.100 | 33.42 | 0.00 | 1.00 | 0.00 | 6.81 | 29.26 | 0.00 | 31.35 | 0.00 | 1.05 | 0.35 | 0.42 | 1.81 | 1.21 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0. | 0.00 |
| 475 | 12.000 | 33.46 | 0.00 | 1.00 | 0.00 | 6.81 | 29.26 | 0.00 | 31.37 | 0.00 | 1.05 | 0.35 | 0.42 | 1.81 | 1.22 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0. | 0.00 |
| 476 | 11.900 | 33.50 | 0.00 | 1.00 | 0.00 | 6.81 | 29.26 | 0.00 | 31.40 | 0.00 | 1.05 | 0.35 | 0.42 | 1.81 | 1.22 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 477 | 11.800 | 33.54 | 0.00 | 1.00 | 0.00 | 6.81 | 29.27 | 0.00 | 31.42 | 0.00 | 1.05 | 0.35 | 0.41 | 1.81 | 1.22 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.2 | 0.0 | 0. | 0.00 |
| 478 | 11.700 | 33.58 | 0.00 | 1.00 | 0.00 | 6.81 | 29.27 | 0.00 | 31.45 | 0.00 | 1.05 | 0.35 | 0.41 | 1.81 | 1.22 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 479 | 11.600 | 33.62 | 0.00 | 1.00 | 0.00 | 6.81 | 29.27 | 0.00 | 31.47 | 0.00 | 1.05 | 0.35 | 0.41 | 1.80 | 1.22 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.6 | 0.0 | 0. | 0.00 |
| 480 | 11.500 | 33.66 | 0.00 | 1.00 | 0.00 | 6.80 | 29.27 | 0.00 | 31.49 | 0.00 | 1.04 | 0.35 | 0.41 | 1.80 | 1.22 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 481 | 11.400 | 33.70 | 0.00 | 1.00 | 0.00 | 6.80 | 29.28 | 0.00 | 31.52 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 1.22 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 482 | 11.300 | 33.74 | 0.00 | 1.00 | 0.00 | 6.80 | 29.28 | 0.00 | 31.54 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 1.22 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 483 | 11.200 | 33.78 | 0.00 | 1.00 | 0.00 | 6.80 | 29.28 | 0.00 | 31.56 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 1.23 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 484 | 11.100 | 33.82 | 0.00 | 1.00 | 0.00 | 6.80 | 29.28 | 0.00 | 31.59 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 1.23 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.6 | 0.0 | 0. | 0.00 |
| 485 | 11.000 | 33.86 | 0.00 | 1.00 | 0.00 | 6.80 | 29.28 | 0.00 | 31.61 | 0.00 | 1.04 | 0.34 | 0.41 | 1.80 | 1.23 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.8 | 0.0 | 0. | 0.00 |
| 486 | 10.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.45 | 29.03 | 0.00 | 31.38 | 0.00 | 1.05 | 0.34 | 0.41 | 1.80 | 1.23 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 390 | 20.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 391 | 20.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 392 | 20.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 393 | 20.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 394 | 20.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 395 | 20.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 396 | 19.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 397 | 19.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 398 | 19.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 399 | 19.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 400 | 19.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 401 | 19.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 402 | 19.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 403 | 19.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 404 | 19.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 405 | 19.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 406 | 18.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 407 | 18.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 408 | 18.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 409 | 18.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 410 | 18.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 411 | 18.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 412 | 18.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 413 | 18.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 414 | 18.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 415 | 18.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 416 | 17.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 417 | 17.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 418 | 17.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 419 | 17.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 420 | 17.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 421 | 17.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 422 | 17.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 423 | 17.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 424 | 17.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 425 | 17.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 426 | 16.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 427 | 16.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 428 | 16.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 429 | 16.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 430 | 16.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 431 | 16.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 432 | 16.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 433 | 16.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 434 | 16.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 435 | 16.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 436 | 15.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 437 | 15.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 438 | 15.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 439 | 15.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 440 | 15.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 441 | 15.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 442 | 15.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 443 | 15.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 444 | 15.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 445 | 15.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 446 | 14.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 447 | 14.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 448 | 14.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 449 | 14.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 450 | 14.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 451 | 14.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 452 | 14.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 453 | 14.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 454 | 14.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 455 | 14.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 456 | 13.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 457 | 13.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 458 | 13.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 459 | 13.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 460 | 13.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 461 | 13.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 462 | 13.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 463 | 13.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 464 | 13.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 465 | 13.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 466 | 12.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 467 | 12.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 468 | 12.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 469 | 12.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 470 | 12.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 471 | 12.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 472 | 12.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 473 | 12.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 474 | 12.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 475 | 12.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 476 | 11.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 477 | 11.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 478 | 11.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 479 | 11.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 480 | 11.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 481 | 11.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 482 | 11.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 483 | 11.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 484 | 11.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 485 | 11.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 486 | 10.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 8 Pontchatoula (Arnold to YWR) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | UPR RCH | 0.51675 | 33.90 | 0.00 | 1.00 | 0.00 | 6.45 | 29.03 | 0.00 | 31.38 | 0.00 | 1.05 | 0.34 | 0.41 | 0.00 | 22.00 | 0.00 | 0.00 |
| 561 | TRIB | 0.00344 | 33.90 | 0.00 | 1.00 | 0.00 | 6.38 | 3.43 | 0.00 | 5.78 | 0.00 | 0.97 | 0.04 | 0.00 | 0.00 | 22.00 | 0.00 | 0.00 |
| 564 | WSTLD | 0.00001 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | WSTLD | 0.00342 | 29.80 | 0.00 | 0.00 | 0.00 | 3.00 | 61.40 | 0.00 | 61.40 | 0.00 | 4.50 | 8.90 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | WSTLD | 0.00129 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 70.80 | 0.00 | 70.80 | 0.00 | 5.10 | 10.27 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 603 | WSTLD | 0.00283 | 30.30 | 0.00 | 0.00 | 0.00 | 2.00 | 11.00 | 0.00 | 11.00 | 0.00 | 1.40 | 0.32 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.90 | 10.80 | 0.52019 | 0.4 | 0.05867 | 0.02 | 31.03 | 0.48 | 18.29 | 886.70 | 1829.00 | 8.87 | 64.02 | 0.000 | 25.000 | 0.059 |
| 562 | 10.80 | 10.70 | 0.52019 | 0.4 | 0.05867 | 0.02 | 31.05 | 0.48 | 18.29 | 886.70 | 1829.00 | 8.87 | 128.03 | 0.001 | 25.000 | 0.059 |
| 563 | 10.70 | 10.60 | 0.52019 | 0.4 | 0.05867 | 0.02 | 31.07 | 0.48 | 18.29 | 886.70 | 1829.00 | 8.87 | 192.05 | 0.001 | 25.000 | 0.059 |
| 564 | 10.60 | 10.50 | 0.52020 | 0.4 | 0.05867 | 0.02 | 31.09 | 0.48 | 18.29 | 886.71 | 1829.00 | 8.87 | 256.06 | 0.001 | 25.000 | 0.059 |
| 565 | 10.50 | 10.40 | 0.52020 | 0.4 | 0.05867 | 0.02 | 31.11 | 0.48 | 18.29 | 886.71 | 1829.00 | 8.87 | 320.08 | 0.002 | 25.000 | 0.059 |
| 566 | 10.40 | 10.30 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.13 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 384.09 | 0.002 | 25.000 | 0.059 |
| 567 | 10.30 | 10.20 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.15 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 448.11 | 0.002 | 25.000 | 0.059 |
| 568 | 10.20 | 10.10 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.17 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 512.12 | 0.003 | 25.000 | 0.059 |
| 569 | 10.10 | 10.00 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.19 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 576.14 | 0.003 | 25.000 | 0.059 |
| 570 | 10.00 | 9.90 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.21 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 640.15 | 0.003 | 25.000 | 0.059 |
| 571 | 9.90 | 9.80 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.23 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 704.17 | 0.004 | 25.000 | 0.059 |
| 572 | 9.80 | 9.70 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.25 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 768.18 | 0.004 | 25.000 | 0.059 |
| 573 | 9.70 | 9.60 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.27 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 832.20 | 0.004 | 25.000 | 0.059 |
| 574 | 9.60 | 9.50 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.28 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 896.21 | 0.005 | 25.000 | 0.059 |
| 575 | 9.50 | 9.40 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.30 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 960.23 | 0.005 | 25.000 | 0.059 |
| 576 | 9.40 | 9.30 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.32 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1024.24 | 0.005 | 25.000 | 0.059 |
| 577 | 9.30 | 9.20 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.34 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1088.26 | 0.006 | 25.000 | 0.059 |
| 578 | 9.20 | 9.10 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.36 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1152.27 | 0.006 | 25.000 | 0.059 |
| 579 | 9.10 | 9.00 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.38 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1216.29 | 0.006 | 25.000 | 0.059 |
| 580 | 9.00 | 8.90 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.40 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1280.30 | 0.007 | 25.000 | 0.059 |
| 581 | 8.90 | 8.80 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.42 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1344.32 | 0.007 | 25.000 | 0.059 |
| 582 | 8.80 | 8.70 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.44 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1408.33 | 0.007 | 25.000 | 0.059 |
| 583 | 8.70 | 8.60 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.46 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1472.35 | 0.008 | 25.000 | 0.059 |
| 584 | 8.60 | 8.50 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.48 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1536.36 | 0.008 | 25.000 | 0.059 |
| 585 | 8.50 | 8.40 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.50 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1600.38 | 0.008 | 25.000 | 0.059 |
| 586 | 8.40 | 8.30 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.52 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1664.39 | 0.009 | 25.000 | 0.059 |
| 587 | 8.30 | 8.20 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.54 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1728.41 | 0.009 | 25.000 | 0.059 |
| 588 | 8.20 | 8.10 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.56 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1792.42 | 0.009 | 25.000 | 0.059 |
| 589 | 8.10 | 8.00 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.58 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1856.44 | 0.010 | 25.000 | 0.059 |
| 590 | 8.00 | 7.90 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.60 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1920.45 | 0.010 | 25.000 | 0.059 |
| 591 | 7.90 | 7.80 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.62 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1984.47 | 0.010 | 25.000 | 0.059 |
| 592 | 7.80 | 7.70 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.64 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2048.48 | 0.011 | 25.000 | 0.059 |
| 593 | 7.70 | 7.60 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.66 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2112.50 | 0.011 | 25.000 | 0.059 |
| 594 | 7.60 | 7.50 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.68 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2176.51 | 0.011 | 25.000 | 0.059 |
| 595 | 7.50 | 7.40 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.70 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2240.52 | 0.012 | 25.000 | 0.059 |
| 596 | 7.40 | 7.30 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.72 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2304.54 | 0.012 | 25.000 | 0.059 |
| 597 | 7.30 | 7.20 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.74 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2368.55 | 0.012 | 25.000 | 0.059 |
| 598 | 7.20 | 7.10 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.75 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2432.57 | 0.013 | 25.000 | 0.059 |
| 599 | 7.10 | 7.00 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.77 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2496.58 | 0.013 | 25.000 | 0.059 |
| 600 | 7.00 | 6.90 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.79 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2560.60 | 0.013 | 25.000 | 0.059 |
| 601 | 6.90 | 6.80 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.81 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2624.61 | 0.014 | 25.000 | 0.059 |
| 602 | 6.80 | 6.70 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.83 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2688.63 | 0.014 | 25.000 | 0.059 |
| 603 | 6.70 | 6.60 | 0.52774 | 1.8 | 0.05941 | 0.02 | 31.85 | 0.49 | 18.29 | 888.34 | 1829.00 | 8.88 | 2752.64 | 0.014 | 25.000 | 0.059 |
| TOT | | | | | | 0.84 | | | | 38162.71 | 78647.01 | | | | | |
| AVG | | | | | 0.0590 | | | 0.49 | 18.29 | | | 8.88 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD1 DECAY | BOD1 SETT | ABOD1 DECAY | BOD1 HYDR | BOD2 DECAY | BOD2 SETT | ABOD2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORG-N HYDR | ORG-N SETT | NH3-N DECAY | NH3-N SRCE | DENIT RATE | ORG-P HYDR | ORG-P SETT | PO4 SRCE | PHYTO PROD | PERIP PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | 1/da | 1/da | * | ** | ** | 1/da | 1/da | 1/da |
| 561 | 10.800 | 7.09 | 1.85 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 562 | 10.700 | 7.09 | 1.85 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 563 | 10.600 | 7.10 | 1.85 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 564 | 10.500 | 7.11 | 1.85 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 3.29 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 565 | 10.400 | 7.12 | 1.84 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 3.28 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | 10.300 | 7.13 | 1.84 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 3.26 | 3.26 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 567 | 10.200 | 7.14 | 1.84 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 3.24 | 3.24 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 568 | 10.100 | 7.15 | 1.83 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 3.23 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 569 | 10.000 | 7.16 | 1.83 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 3.21 | 3.21 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 570 | 9.900 | 7.17 | 1.83 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 3.20 | 3.20 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 571 | 9.800 | 7.18 | 1.83 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 3.18 | 3.18 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 572 | 9.700 | 7.19 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 3.16 | 3.16 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 573 | 9.600 | 7.20 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | 3.15 | 3.15 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 574 | 9.500 | 7.21 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 3.13 | 3.13 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 575 | 9.400 | 7.22 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 3.12 | 3.12 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 576 | 9.300 | 7.23 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.10 | 3.10 | 3.10 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 577 | 9.200 | 7.24 | 1.81 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 3.09 | 3.09 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 578 | 9.100 | 7.25 | 1.81 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 3.07 | 3.07 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 579 | 9.000 | 7.26 | 1.81 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 3.06 | 3.06 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 580 | 8.900 | 7.27 | 1.81 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 581 | 8.800 | 7.28 | 1.80 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 3.03 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 582 | 8.700 | 7.28 | 1.80 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 3.01 | 3.01 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 583 | 8.600 | 7.29 | 1.80 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 3.00 | 3.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | 8.500 | 7.30 | 1.80 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.98 | 2.98 | 2.98 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 585 | 8.400 | 7.31 | 1.79 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.97 | 2.97 | 2.97 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 586 | 8.300 | 7.32 | 1.79 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.95 | 2.95 | 2.95 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 587 | 8.200 | 7.33 | 1.79 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.94 | 2.94 | 2.94 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 588 | 8.100 | 7.34 | 1.79 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.92 | 2.92 | 2.92 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 589 | 8.000 | 7.35 | 1.78 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.91 | 2.91 | 2.91 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 590 | 7.900 | 7.36 | 1.78 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.89 | 2.89 | 2.89 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 591 | 7.800 | 7.37 | 1.78 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 2.88 | 2.88 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 592 | 7.700 | 7.38 | 1.78 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 593 | 7.600 | 7.39 | 1.77 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.85 | 2.85 | 2.85 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 594 | 7.500 | 7.40 | 1.77 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 2.84 | 2.84 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 595 | 7.400 | 7.41 | 1.77 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 2.82 | 2.82 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 596 | 7.300 | 7.42 | 1.77 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 | 2.81 | 2.81 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 597 | 7.200 | 7.43 | 1.76 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.79 | 2.79 | 2.79 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 598 | 7.100 | 7.44 | 1.76 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | 2.78 | 2.78 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 599 | 7.000 | 7.45 | 1.76 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.77 | 2.77 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600 | 6.900 | 7.46 | 1.76 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 2.75 | 2.75 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 601 | 6.800 | 7.47 | 1.75 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.74 | 2.74 | 2.74 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 602 | 6.700 | 7.48 | 1.75 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 | 2.73 | 2.73 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 603 | 6.600 | 7.49 | 1.75 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.71 | 2.71 | 2.71 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.44 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.800 | 33.82 | 0.00 | 1.00 | 0.00 | 6.28 | 28.92 | 0.00 | 31.26 | 0.00 | 1.05 | 0.34 | 0.41 | 1.80 | 1.23 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 562 | 10.700 | 33.74 | 0.00 | 1.00 | 0.00 | 6.19 | 28.88 | 0.00 | 31.22 | 0.00 | 1.05 | 0.34 | 0.41 | 1.80 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 563 | 10.600 | 33.66 | 0.00 | 1.00 | 0.00 | 6.09 | 28.85 | 0.00 | 31.18 | 0.00 | 1.05 | 0.34 | 0.41 | 1.81 | 1.24 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.8 | 0.0 | 0. | 0.00 |
| 564 | 10.500 | 33.58 | 0.00 | 1.00 | 0.00 | 6.01 | 28.83 | 0.00 | 31.15 | 0.00 | 1.05 | 0.35 | 0.42 | 1.82 | 1.24 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 565 | 10.400 | 33.50 | 0.00 | 1.00 | 0.00 | 5.92 | 28.81 | 0.00 | 31.12 | 0.00 | 1.06 | 0.35 | 0.42 | 1.83 | 1.24 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 566 | 10.300 | 33.43 | 0.00 | 1.00 | 0.00 | 5.84 | 28.80 | 0.00 | 31.10 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 1.25 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.6 | 0.0 | 0. | 0.00 |
| 567 | 10.200 | 33.35 | 0.00 | 1.00 | 0.00 | 5.76 | 28.75 | 0.00 | 31.04 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 1.24 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.5 | 0.0 | 0. | 0.00 |
| 568 | 10.100 | 33.27 | 0.00 | 1.00 | 0.00 | 5.69 | 28.70 | 0.00 | 30.99 | 0.00 | 1.06 | 0.36 | 0.42 | 1.84 | 1.24 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 569 | 10.000 | 33.19 | 0.00 | 1.00 | 0.00 | 5.62 | 28.65 | 0.00 | 30.93 | 0.00 | 1.06 | 0.35 | 0.42 | 1.83 | 1.24 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 570 | 9.900 | 33.11 | 0.00 | 1.00 | 0.00 | 5.55 | 28.60 | 0.00 | 30.87 | 0.00 | 1.06 | 0.35 | 0.42 | 1.83 | 1.24 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.3 | 0.0 | 0. | 0.00 |
| 571 | 9.800 | 33.03 | 0.00 | 1.00 | 0.00 | 5.49 | 28.55 | 0.00 | 30.81 | 0.00 | 1.06 | 0.35 | 0.42 | 1.83 | 1.24 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 572 | 9.700 | 32.95 | 0.00 | 1.00 | 0.00 | 5.43 | 28.50 | 0.00 | 30.76 | 0.00 | 1.06 | 0.34 | 0.42 | 1.82 | 1.24 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 573 | 9.600 | 32.87 | 0.00 | 1.00 | 0.00 | 5.37 | 28.45 | 0.00 | 30.70 | 0.00 | 1.06 | 0.34 | 0.42 | 1.82 | 1.24 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.1 | 0.0 | 0. | 0.00 |
| 574 | 9.500 | 32.79 | 0.00 | 1.00 | 0.00 | 5.31 | 28.40 | 0.00 | 30.64 | 0.00 | 1.06 | 0.34 | 0.42 | 1.82 | 1.24 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 575 | 9.400 | 32.71 | 0.00 | 1.00 | 0.00 | 5.26 | 28.35 | 0.00 | 30.59 | 0.00 | 1.06 | 0.34 | 0.42 | 1.82 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 576 | 9.300 | 32.63 | 0.00 | 1.00 | 0.00 | 5.21 | 28.30 | 0.00 | 30.53 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.9 | 0.0 | 0. | 0.00 |
| 577 | 9.200 | 32.56 | 0.00 | 1.00 | 0.00 | 5.16 | 28.25 | 0.00 | 30.48 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 578 | 9.100 | 32.48 | 0.00 | 1.00 | 0.00 | 5.11 | 28.20 | 0.00 | 30.42 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.7 | 0.0 | 0. | 0.00 |
| 579 | 9.000 | 32.40 | 0.00 | 1.00 | 0.00 | 5.07 | 28.16 | 0.00 | 30.36 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.7 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 580 | 8.900 | 32.32 | 0.00 | 1.00 | 0.00 | 5.03 | 28.11 | 0.00 | 30.31 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.6 | 0.0 | 0. | 0.00 |
| 581 | 8.800 | 32.24 | 0.00 | 1.00 | 0.00 | 4.99 | 28.06 | 0.00 | 30.25 | 0.00 | 1.06 | 0.33 | 0.42 | 1.81 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |
| 582 | 8.700 | 32.16 | 0.00 | 1.00 | 0.00 | 4.95 | 28.01 | 0.00 | 30.20 | 0.00 | 1.07 | 0.33 | 0.42 | 1.81 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |
| 583 | 8.600 | 32.08 | 0.00 | 1.00 | 0.00 | 4.91 | 27.96 | 0.00 | 30.14 | 0.00 | 1.07 | 0.33 | 0.42 | 1.81 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 584 | 8.500 | 32.00 | 0.00 | 1.00 | 0.00 | 4.88 | 27.91 | 0.00 | 30.08 | 0.00 | 1.07 | 0.33 | 0.42 | 1.82 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.3 | 0.0 | 0. | 0.00 |
| 585 | 8.400 | 31.92 | 0.00 | 1.00 | 0.00 | 4.85 | 27.84 | 0.00 | 30.00 | 0.00 | 1.07 | 0.33 | 0.42 | 1.81 | 1.24 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.3 | 0.0 | 0. | 0.00 |
| 586 | 8.300 | 31.84 | 0.00 | 1.00 | 0.00 | 4.82 | 27.76 | 0.00 | 29.92 | 0.00 | 1.07 | 0.33 | 0.41 | 1.81 | 1.24 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.2 | 0.0 | 0. | 0.00 |
| 587 | 8.200 | 31.77 | 0.00 | 1.00 | 0.00 | 4.79 | 27.67 | 0.00 | 29.82 | 0.00 | 1.07 | 0.32 | 0.41 | 1.80 | 1.24 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 588 | 8.100 | 31.69 | 0.00 | 1.00 | 0.00 | 4.77 | 27.58 | 0.00 | 29.72 | 0.00 | 1.07 | 0.32 | 0.41 | 1.80 | 1.24 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 589 | 8.000 | 31.61 | 0.00 | 1.00 | 0.00 | 4.75 | 27.47 | 0.00 | 29.60 | 0.00 | 1.07 | 0.31 | 0.41 | 1.79 | 1.24 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 590 | 7.900 | 31.53 | 0.00 | 1.00 | 0.00 | 4.73 | 27.34 | 0.00 | 29.47 | 0.00 | 1.07 | 0.31 | 0.41 | 1.79 | 1.24 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.9 | 0.0 | 0. | 0.00 |
| 591 | 7.800 | 31.45 | 0.00 | 1.00 | 0.00 | 4.71 | 27.20 | 0.00 | 29.32 | 0.00 | 1.07 | 0.31 | 0.40 | 1.78 | 1.24 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0. | 0.00 |
| 592 | 7.700 | 31.37 | 0.00 | 1.00 | 0.00 | 4.70 | 27.03 | 0.00 | 29.14 | 0.00 | 1.08 | 0.30 | 0.40 | 1.78 | 1.24 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0. | 0.00 |
| 593 | 7.600 | 31.29 | 0.00 | 1.00 | 0.00 | 4.69 | 26.84 | 0.00 | 28.94 | 0.00 | 1.08 | 0.30 | 0.39 | 1.77 | 1.25 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.7 | 0.0 | 0. | 0.00 |
| 594 | 7.500 | 31.21 | 0.00 | 1.00 | 0.00 | 4.69 | 26.60 | 0.00 | 28.70 | 0.00 | 1.08 | 0.29 | 0.39 | 1.76 | 1.25 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0. | 0.00 |
| 595 | 7.400 | 31.13 | 0.00 | 1.00 | 0.00 | 4.69 | 26.33 | 0.00 | 28.42 | 0.00 | 1.09 | 0.28 | 0.38 | 1.75 | 1.25 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0. | 0.00 |
| 596 | 7.300 | 31.05 | 0.00 | 1.00 | 0.00 | 4.69 | 26.00 | 0.00 | 28.08 | 0.00 | 1.09 | 0.28 | 0.37 | 1.73 | 1.26 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.5 | 0.0 | 0. | 0.00 |
| 597 | 7.200 | 30.97 | 0.00 | 1.00 | 0.00 | 4.71 | 25.60 | 0.00 | 27.67 | 0.00 | 1.10 | 0.27 | 0.36 | 1.72 | 1.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.4 | 0.0 | 0. | 0.00 |
| 598 | 7.100 | 30.90 | 0.00 | 1.00 | 0.00 | 4.73 | 25.12 | 0.00 | 27.18 | 0.00 | 1.10 | 0.26 | 0.34 | 1.70 | 1.27 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.3 | 0.0 | 0. | 0.00 |
| 599 | 7.000 | 30.82 | 0.00 | 1.00 | 0.00 | 4.76 | 24.53 | 0.00 | 26.59 | 0.00 | 1.11 | 0.24 | 0.32 | 1.68 | 1.28 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.3 | 0.0 | 0. | 0.00 |
| 600 | 6.900 | 30.74 | 0.00 | 1.00 | 0.00 | 4.80 | 23.81 | 0.00 | 25.86 | 0.00 | 1.12 | 0.23 | 0.30 | 1.65 | 1.29 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.2 | 0.0 | 0. | 0.00 |
| 601 | 6.800 | 30.66 | 0.00 | 1.00 | 0.00 | 4.85 | 22.93 | 0.00 | 24.98 | 0.00 | 1.14 | 0.21 | 0.27 | 1.62 | 1.30 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0. | 0.00 |
| 602 | 6.700 | 30.58 | 0.00 | 1.00 | 0.00 | 4.93 | 21.85 | 0.00 | 23.89 | 0.00 | 1.16 | 0.19 | 0.24 | 1.58 | 1.32 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0. | 0.00 |
| 603 | 6.600 | 30.50 | 0.00 | 1.00 | 0.00 | 5.03 | 20.53 | 0.00 | 22.56 | 0.00 | 1.18 | 0.16 | 0.19 | 1.53 | 1.34 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 562 | 10.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 563 | 10.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 564 | 10.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 565 | 10.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 566 | 10.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 567 | 10.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 568 | 10.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 569 | 10.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 570 | 9.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 571 | 9.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 572 | 9.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 573 | 9.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 574 | 9.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 575 | 9.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 576 | 9.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 577 | 9.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 578 | 9.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 579 | 9.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 580 | 8.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 581 | 8.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 582 | 8.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 583 | 8.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 584 | 8.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 585 | 8.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 586 | 8.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 587 | 8.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 588 | 8.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 589 | 8.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 590 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 591 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 592 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 593 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 594 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 595 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 596 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 597 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 598 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 599 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 600 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 601 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 602 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 603 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 9 Pontchatoula (YWR to base) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | UPR RCH | 0.52774 | 30.50 | 0.00 | 1.00 | 0.00 | 5.03 | 20.53 | 0.00 | 22.56 | 0.00 | 1.18 | 0.16 | 0.19 | 0.00 | 19.00 | 0.00 | 0.00 |
| 613 | WSTLD | 0.00129 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 70.80 | 0.00 | 70.80 | 0.00 | 5.10 | 10.27 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.60 | 6.50 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.03 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 3115.38 | 0.002 | 35.000 | 0.007 |
| 605 | 6.50 | 6.40 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.20 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 3478.12 | 0.002 | 35.000 | 0.007 |
| 606 | 6.40 | 6.30 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.38 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 3840.86 | 0.002 | 35.000 | 0.007 |
| 607 | 6.30 | 6.20 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.55 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 4203.60 | 0.002 | 35.000 | 0.007 |
| 608 | 6.20 | 6.10 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.72 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 4566.34 | 0.003 | 35.000 | 0.007 |
| 609 | 6.10 | 6.00 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.90 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 4929.08 | 0.003 | 35.000 | 0.007 |
| 610 | 6.00 | 5.90 | 0.52774 | 1.8 | 0.00664 | 0.17 | 33.07 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 5291.82 | 0.003 | 35.000 | 0.007 |
| 611 | 5.90 | 5.80 | 0.52774 | 1.8 | 0.00664 | 0.17 | 33.25 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 5654.56 | 0.003 | 35.000 | 0.007 |
| 612 | 5.80 | 5.70 | 0.52774 | 1.8 | 0.00664 | 0.17 | 33.42 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 6017.30 | 0.004 | 35.000 | 0.007 |
| 613 | 5.70 | 5.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 33.59 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 6380.04 | 0.004 | 35.000 | 0.007 |
| 614 | 5.60 | 5.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 33.77 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 6742.79 | 0.004 | 35.000 | 0.007 |
| 615 | 5.50 | 5.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 33.94 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 7105.53 | 0.004 | 35.000 | 0.007 |
| 616 | 5.40 | 5.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.12 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 7468.27 | 0.004 | 35.000 | 0.007 |
| 617 | 5.30 | 5.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.29 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 7831.01 | 0.005 | 35.000 | 0.007 |
| 618 | 5.20 | 5.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.46 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 8193.75 | 0.005 | 35.000 | 0.007 |
| 619 | 5.10 | 5.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.64 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 8556.49 | 0.005 | 35.000 | 0.007 |
| 620 | 5.00 | 4.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.81 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 8919.23 | 0.005 | 35.000 | 0.007 |
| 621 | 4.90 | 4.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.98 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 9281.97 | 0.005 | 35.000 | 0.007 |
| 622 | 4.80 | 4.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.16 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 9644.71 | 0.006 | 35.000 | 0.007 |
| 623 | 4.70 | 4.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.33 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 10007.45 | 0.006 | 35.000 | 0.007 |
| 624 | 4.60 | 4.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.51 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 10370.19 | 0.006 | 35.000 | 0.008 |
| 625 | 4.50 | 4.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.68 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 10732.93 | 0.006 | 35.000 | 0.008 |
| 626 | 4.40 | 4.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.85 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 11095.67 | 0.006 | 35.000 | 0.008 |
| 627 | 4.30 | 4.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.03 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 11458.41 | 0.007 | 35.000 | 0.008 |
| 628 | 4.20 | 4.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.20 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 11821.15 | 0.007 | 35.000 | 0.008 |
| 629 | 4.10 | 4.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.38 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 12183.89 | 0.007 | 35.000 | 0.008 |
| 630 | 4.00 | 3.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.55 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 12546.63 | 0.007 | 35.000 | 0.009 |
| 631 | 3.90 | 3.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.72 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 12909.37 | 0.008 | 35.000 | 0.009 |
| 632 | 3.80 | 3.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.90 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 13272.11 | 0.008 | 35.000 | 0.009 |
| 633 | 3.70 | 3.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.07 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 13634.85 | 0.008 | 35.000 | 0.009 |
| 634 | 3.60 | 3.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.24 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 13997.59 | 0.008 | 35.000 | 0.009 |
| 635 | 3.50 | 3.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.42 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 14360.33 | 0.008 | 35.000 | 0.009 |
| 636 | 3.40 | 3.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.59 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 14723.07 | 0.009 | 35.000 | 0.010 |
| 637 | 3.30 | 3.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.77 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 15085.81 | 0.009 | 35.000 | 0.010 |
| 638 | 3.20 | 3.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.94 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 15448.55 | 0.009 | 35.000 | 0.010 |
| 639 | 3.10 | 3.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.11 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 15811.29 | 0.009 | 35.000 | 0.010 |
| 640 | 3.00 | 2.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.29 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 16174.03 | 0.009 | 35.000 | 0.010 |
| 641 | 2.90 | 2.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.46 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 16536.77 | 0.010 | 35.000 | 0.011 |
| 642 | 2.80 | 2.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.63 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 16899.51 | 0.010 | 35.000 | 0.011 |
| 643 | 2.70 | 2.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.81 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 17262.25 | 0.010 | 35.000 | 0.011 |
| 644 | 2.60 | 2.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.98 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 17624.99 | 0.010 | 35.000 | 0.011 |
| 645 | 2.50 | 2.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.16 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 17987.73 | 0.010 | 35.000 | 0.011 |
| 646 | 2.40 | 2.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.33 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 18350.47 | 0.011 | 35.000 | 0.012 |
| 647 | 2.30 | 2.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.50 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 18713.21 | 0.011 | 35.000 | 0.012 |
| 648 | 2.20 | 2.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.68 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 19075.95 | 0.011 | 35.000 | 0.012 |
| 649 | 2.10 | 2.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.85 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 19438.69 | 0.011 | 35.000 | 0.012 |
| 650 | 2.00 | 1.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.03 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 19801.43 | 0.012 | 35.000 | 0.012 |
| 651 | 1.90 | 1.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.20 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 20164.17 | 0.012 | 35.000 | 0.013 |
| 652 | 1.80 | 1.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.37 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 20526.91 | 0.012 | 35.000 | 0.013 |
| 653 | 1.70 | 1.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.55 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 20889.65 | 0.012 | 35.000 | 0.013 |
| 654 | 1.60 | 1.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.72 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 21252.39 | 0.012 | 35.000 | 0.013 |
| 655 | 1.50 | 1.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.89 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 21615.13 | 0.013 | 35.000 | 0.013 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 656 | 1.40 | 1.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.07 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 21977.88 | 0.013 | 35.000 | 0.014 |
| 657 | 1.30 | 1.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.24 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 22340.62 | 0.013 | 35.000 | 0.014 |
| 658 | 1.20 | 1.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.42 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 22703.36 | 0.013 | 35.000 | 0.014 |
| 659 | 1.10 | 1.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.59 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 23066.10 | 0.013 | 35.000 | 0.014 |
| 660 | 1.00 | 0.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.76 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 23428.84 | 0.014 | 35.000 | 0.014 |
| 661 | 0.90 | 0.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.94 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 23791.58 | 0.014 | 35.000 | 0.015 |
| 662 | 0.80 | 0.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.11 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 24154.32 | 0.014 | 35.000 | 0.015 |
| 663 | 0.70 | 0.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.28 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 24517.06 | 0.014 | 35.000 | 0.015 |
| 664 | 0.60 | 0.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.46 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 24879.80 | 0.014 | 35.000 | 0.015 |
| 665 | 0.50 | 0.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.63 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 25242.54 | 0.015 | 35.000 | 0.015 |
| 666 | 0.40 | 0.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.81 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 25605.28 | 0.015 | 35.000 | 0.016 |
| 667 | 0.30 | 0.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.98 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 25968.02 | 0.015 | 35.000 | 0.016 |
| 668 | 0.20 | 0.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 43.15 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 26330.76 | 0.015 | 35.000 | 0.016 |
| 669 | 0.10 | 0.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 43.33 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 26693.50 | 0.016 | 35.000 | 0.016 |
| TOT | | | | | | 11.48 | | | | 524328.75 | 342012.00 | | | | | |
| AVG | | | | | 0.0067 | | | 1.53 | 51.82 | | | 79.44 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 605 | 6.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 606 | 6.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 607 | 6.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 608 | 6.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 609 | 6.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 610 | 5.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 611 | 5.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 612 | 5.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 613 | 5.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 614 | 5.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 615 | 5.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 616 | 5.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 617 | 5.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 618 | 5.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 619 | 5.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 620 | 4.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 621 | 4.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 622 | 4.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 623 | 4.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 624 | 4.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 625 | 4.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 626 | 4.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 627 | 4.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 628 | 4.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 629 | 4.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 630 | 3.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 631 | 3.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 632 | 3.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 633 | 3.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 634 | 3.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 635 | 3.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 636 | 3.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 637 | 3.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 638 | 3.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 639 | 3.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 640 | 2.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 641 | 2.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 642 | 2.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 643 | 2.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 644 | 2.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 645 | 2.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 646 | 2.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 647 | 2.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 648 | 2.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 649 | 2.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 650 | 1.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 651 | 1.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 652 | 1.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 653 | 1.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 654 | 1.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 655 | 1.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 656 | 1.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 657 | 1.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 658 | 1.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 659 | 1.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 660 | 0.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 661 | 0.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 662 | 0.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 663 | 0.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 664 | 0.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 665 | 0.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 666 | 0.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 667 | 0.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 668 | 0.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 669 | 0.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.46 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 30.50 | 0.00 | 1.00 | 0.00 | 5.05 | 20.29 | 0.00 | 22.32 | 0.00 | 1.18 | 0.15 | 0.19 | 1.52 | 1.35 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 605 | 6.400 | 30.50 | 0.00 | 1.00 | 0.00 | 5.06 | 20.16 | 0.00 | 22.19 | 0.00 | 1.19 | 0.15 | 0.18 | 1.52 | 1.35 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 606 | 6.300 | 30.50 | 0.00 | 1.00 | 0.00 | 5.07 | 20.04 | 0.00 | 22.07 | 0.00 | 1.19 | 0.15 | 0.18 | 1.51 | 1.35 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 607 | 6.200 | 30.50 | 0.00 | 1.00 | 0.00 | 5.08 | 19.92 | 0.00 | 21.95 | 0.00 | 1.19 | 0.15 | 0.17 | 1.51 | 1.35 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 608 | 6.100 | 30.50 | 0.00 | 1.00 | 0.00 | 5.09 | 19.80 | 0.00 | 21.83 | 0.00 | 1.19 | 0.14 | 0.17 | 1.51 | 1.36 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 609 | 6.000 | 30.50 | 0.00 | 1.00 | 0.00 | 5.10 | 19.69 | 0.00 | 21.72 | 0.00 | 1.20 | 0.14 | 0.16 | 1.50 | 1.36 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 610 | 5.900 | 30.50 | 0.00 | 1.00 | 0.00 | 5.11 | 19.58 | 0.00 | 21.61 | 0.00 | 1.20 | 0.14 | 0.16 | 1.50 | 1.36 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 611 | 5.800 | 30.50 | 0.00 | 1.00 | 0.00 | 5.13 | 19.48 | 0.00 | 21.51 | 0.00 | 1.20 | 0.14 | 0.16 | 1.49 | 1.36 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 612 | 5.700 | 30.50 | 0.00 | 1.00 | 0.00 | 5.14 | 19.38 | 0.00 | 21.41 | 0.00 | 1.21 | 0.14 | 0.15 | 1.49 | 1.37 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 613 | 5.600 | 30.50 | 0.00 | 1.00 | 0.00 | 5.15 | 19.28 | 0.00 | 21.31 | 0.00 | 1.21 | 0.13 | 0.15 | 1.49 | 1.37 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 614 | 5.500 | 30.50 | 0.00 | 1.00 | 0.00 | 5.16 | 19.19 | 0.00 | 21.22 | 0.00 | 1.21 | 0.13 | 0.14 | 1.49 | 1.37 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 615 | 5.400 | 30.50 | 0.00 | 1.00 | 0.00 | 5.18 | 19.10 | 0.00 | 21.13 | 0.00 | 1.21 | 0.13 | 0.14 | 1.48 | 1.38 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 616 | 5.300 | 30.50 | 0.00 | 1.00 | 0.00 | 5.19 | 19.01 | 0.00 | 21.04 | 0.00 | 1.22 | 0.13 | 0.14 | 1.48 | 1.38 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 617 | 5.200 | 30.50 | 0.00 | 1.00 | 0.00 | 5.20 | 18.93 | 0.00 | 20.96 | 0.00 | 1.22 | 0.13 | 0.13 | 1.48 | 1.38 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 618 | 5.100 | 30.50 | 0.00 | 1.00 | 0.00 | 5.22 | 18.85 | 0.00 | 20.88 | 0.00 | 1.22 | 0.12 | 0.13 | 1.48 | 1.39 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 619 | 5.000 | 30.50 | 0.00 | 1.00 | 0.00 | 5.23 | 18.78 | 0.00 | 20.81 | 0.00 | 1.23 | 0.12 | 0.12 | 1.47 | 1.39 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 620 | 4.900 | 30.50 | 0.00 | 1.00 | 0.00 | 5.24 | 18.71 | 0.00 | 20.74 | 0.00 | 1.23 | 0.12 | 0.12 | 1.47 | 1.39 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 621 | 4.800 | 30.50 | 0.00 | 1.00 | 0.00 | 5.26 | 18.65 | 0.00 | 20.68 | 0.00 | 1.24 | 0.12 | 0.12 | 1.47 | 1.40 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 622 | 4.700 | 30.50 | 0.00 | 1.00 | 0.00 | 5.27 | 18.59 | 0.00 | 20.62 | 0.00 | 1.24 | 0.12 | 0.11 | 1.47 | 1.40 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 623 | 4.600 | 30.50 | 0.00 | 1.00 | 0.00 | 5.29 | 18.53 | 0.00 | 20.56 | 0.00 | 1.24 | 0.12 | 0.11 | 1.47 | 1.41 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 624 | 4.500 | 30.50 | 0.00 | 1.00 | 0.00 | 5.30 | 18.48 | 0.00 | 20.51 | 0.00 | 1.25 | 0.11 | 0.11 | 1.47 | 1.41 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 625 | 4.400 | 30.50 | 0.00 | 1.00 | 0.00 | 5.32 | 18.44 | 0.00 | 20.46 | 0.00 | 1.25 | 0.11 | 0.10 | 1.47 | 1.41 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 626 | 4.300 | 30.50 | 0.00 | 1.00 | 0.00 | 5.33 | 18.39 | 0.00 | 20.42 | 0.00 | 1.26 | 0.11 | 0.10 | 1.47 | 1.42 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 627 | 4.200 | 30.50 | 0.00 | 1.00 | 0.00 | 5.34 | 18.36 | 0.00 | 20.39 | 0.00 | 1.26 | 0.11 | 0.10 | 1.47 | 1.42 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 628 | 4.100 | 30.50 | 0.00 | 1.00 | 0.00 | 5.36 | 18.33 | 0.00 | 20.35 | 0.00 | 1.27 | 0.11 | 0.09 | 1.47 | 1.43 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 629 | 4.000 | 30.50 | 0.00 | 1.00 | 0.00 | 5.37 | 18.30 | 0.00 | 20.33 | 0.00 | 1.27 | 0.11 | 0.09 | 1.47 | 1.43 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 630 | 3.900 | 30.50 | 0.00 | 1.00 | 0.00 | 5.39 | 18.28 | 0.00 | 20.31 | 0.00 | 1.28 | 0.11 | 0.09 | 1.47 | 1.44 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 631 | 3.800 | 30.50 | 0.00 | 1.00 | 0.00 | 5.40 | 18.26 | 0.00 | 20.29 | 0.00 | 1.28 | 0.11 | 0.09 | 1.47 | 1.44 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 632 | 3.700 | 30.50 | 0.00 | 1.00 | 0.00 | 5.42 | 18.25 | 0.00 | 20.28 | 0.00 | 1.29 | 0.11 | 0.08 | 1.48 | 1.45 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 633 | 3.600 | 30.50 | 0.00 | 1.00 | 0.00 | 5.44 | 18.24 | 0.00 | 20.27 | 0.00 | 1.29 | 0.11 | 0.08 | 1.48 | 1.45 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 634 | 3.500 | 30.50 | 0.00 | 1.00 | 0.00 | 5.45 | 18.24 | 0.00 | 20.27 | 0.00 | 1.30 | 0.10 | 0.08 | 1.48 | 1.46 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 635 | 3.400 | 30.50 | 0.00 | 1.00 | 0.00 | 5.47 | 18.25 | 0.00 | 20.27 | 0.00 | 1.30 | 0.10 | 0.08 | 1.48 | 1.46 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 636 | 3.300 | 30.50 | 0.00 | 1.00 | 0.00 | 5.49 | 18.26 | 0.00 | 20.28 | 0.00 | 1.31 | 0.10 | 0.08 | 1.49 | 1.47 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 637 | 3.200 | 30.50 | 0.00 | 1.00 | 0.00 | 5.50 | 18.27 | 0.00 | 20.30 | 0.00 | 1.32 | 0.10 | 0.07 | 1.49 | 1.48 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 638 | 3.100 | 30.50 | 0.00 | 1.00 | 0.00 | 5.52 | 18.29 | 0.00 | 20.32 | 0.00 | 1.32 | 0.10 | 0.07 | 1.50 | 1.48 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 639 | 3.000 | 30.50 | 0.00 | 1.00 | 0.00 | 5.54 | 18.32 | 0.00 | 20.35 | 0.00 | 1.33 | 0.10 | 0.07 | 1.50 | 1.49 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 640 | 2.900 | 30.50 | 0.00 | 1.00 | 0.00 | 5.56 | 18.35 | 0.00 | 20.38 | 0.00 | 1.34 | 0.10 | 0.07 | 1.51 | 1.50 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 641 | 2.800 | 30.50 | 0.00 | 1.00 | 0.00 | 5.58 | 18.39 | 0.00 | 20.42 | 0.00 | 1.34 | 0.10 | 0.07 | 1.51 | 1.50 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 642 | 2.700 | 30.50 | 0.00 | 1.00 | 0.00 | 5.60 | 18.44 | 0.00 | 20.47 | 0.00 | 1.35 | 0.10 | 0.07 | 1.52 | 1.51 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 643 | 2.600 | 30.50 | 0.00 | 1.00 | 0.00 | 5.62 | 18.49 | 0.00 | 20.52 | 0.00 | 1.36 | 0.10 | 0.06 | 1.52 | 1.52 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 644 | 2.500 | 30.50 | 0.00 | 1.00 | 0.00 | 5.64 | 18.55 | 0.00 | 20.58 | 0.00 | 1.36 | 0.10 | 0.06 | 1.53 | 1.52 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 645 | 2.400 | 30.50 | 0.00 | 1.00 | 0.00 | 5.66 | 18.62 | 0.00 | 20.65 | 0.00 | 1.37 | 0.10 | 0.06 | 1.54 | 1.53 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 646 | 2.300 | 30.50 | 0.00 | 1.00 | 0.00 | 5.69 | 18.69 | 0.00 | 20.72 | 0.00 | 1.38 | 0.10 | 0.06 | 1.54 | 1.54 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 647 | 2.200 | 30.50 | 0.00 | 1.00 | 0.00 | 5.71 | 18.77 | 0.00 | 20.80 | 0.00 | 1.39 | 0.10 | 0.06 | 1.55 | 1.55 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 648 | 2.100 | 30.50 | 0.00 | 1.00 | 0.00 | 5.73 | 18.86 | 0.00 | 20.89 | 0.00 | 1.40 | 0.10 | 0.06 | 1.56 | 1.56 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 649 | 2.000 | 30.50 | 0.00 | 1.00 | 0.00 | 5.76 | 18.95 | 0.00 | 20.98 | 0.00 | 1.40 | 0.11 | 0.06 | 1.57 | 1.57 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 650 | 1.900 | 30.50 | 0.00 | 1.00 | 0.00 | 5.79 | 19.05 | 0.00 | 21.08 | 0.00 | 1.41 | 0.11 | 0.06 | 1.58 | 1.57 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 651 | 1.800 | 30.50 | 0.00 | 1.00 | 0.00 | 5.82 | 19.16 | 0.00 | 21.19 | 0.00 | 1.42 | 0.11 | 0.06 | 1.59 | 1.58 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 652 | 1.700 | 30.50 | 0.00 | 1.00 | 0.00 | 5.85 | 19.28 | 0.00 | 21.31 | 0.00 | 1.43 | 0.11 | 0.06 | 1.60 | 1.59 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 653 | 1.600 | 30.50 | 0.00 | 1.00 | 0.00 | 5.88 | 19.41 | 0.00 | 21.43 | 0.00 | 1.44 | 0.11 | 0.06 | 1.61 | 1.60 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 654 | 1.500 | 30.50 | 0.00 | 1.00 | 0.00 | 5.92 | 19.54 | 0.00 | 21.57 | 0.00 | 1.45 | 0.11 | 0.06 | 1.62 | 1.61 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 655 | 1.400 | 30.50 | 0.00 | 1.00 | 0.00 | 5.95 | 19.68 | 0.00 | 21.71 | 0.00 | 1.46 | 0.11 | 0.06 | 1.63 | 1.62 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 656 | 1.300 | 30.50 | 0.00 | 1.00 | 0.00 | 5.99 | 19.83 | 0.00 | 21.86 | 0.00 | 1.47 | 0.11 | 0.06 | 1.64 | 1.63 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 657 | 1.200 | 30.50 | 0.00 | 1.00 | 0.00 | 6.03 | 19.99 | 0.00 | 22.02 | 0.00 | 1.48 | 0.12 | 0.06 | 1.66 | 1.64 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 658 | 1.100 | 30.50 | 0.00 | 1.00 | 0.00 | 6.07 | 20.16 | 0.00 | 22.19 | 0.00 | 1.49 | 0.12 | 0.06 | 1.67 | 1.65 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 659 | 1.000 | 30.50 | 0.00 | 1.00 | 0.00 | 6.12 | 20.34 | 0.00 | 22.37 | 0.00 | 1.50 | 0.12 | 0.06 | 1.68 | 1.66 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 660 | 0.900 | 30.50 | 0.00 | 1.00 | 0.00 | 6.17 | 20.52 | 0.00 | 22.55 | 0.00 | 1.51 | 0.12 | 0.06 | 1.70 | 1.67 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 661 | 0.800 | 30.50 | 0.00 | 1.00 | 0.00 | 6.22 | 20.72 | 0.00 | 22.75 | 0.00 | 1.52 | 0.12 | 0.07 | 1.71 | 1.68 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 662 | 0.700 | 30.50 | 0.00 | 1.00 | 0.00 | 6.27 | 20.93 | 0.00 | 22.96 | 0.00 | 1.53 | 0.13 | 0.07 | 1.73 | 1.70 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 663 | 0.600 | 30.50 | 0.00 | 1.00 | 0.00 | 6.33 | 21.14 | 0.00 | 23.17 | 0.00 | 1.55 | 0.13 | 0.07 | 1.74 | 1.71 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 664 | 0.500 | 30.50 | 0.00 | 1.00 | 0.00 | 6.39 | 21.37 | 0.00 | 23.40 | 0.00 | 1.56 | 0.13 | 0.07 | 1.76 | 1.72 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 665 | 0.400 | 30.50 | 0.00 | 1.00 | 0.00 | 6.46 | 21.61 | 0.00 | 23.64 | 0.00 | 1.57 | 0.13 | 0.07 | 1.78 | 1.73 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 666 | 0.300 | 30.50 | 0.00 | 1.00 | 0.00 | 6.53 | 21.86 | 0.00 | 23.89 | 0.00 | 1.58 | 0.14 | 0.07 | 1.79 | 1.75 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 667 | 0.200 | 30.50 | 0.00 | 1.00 | 0.00 | 6.60 | 22.12 | 0.00 | 24.15 | 0.00 | 1.60 | 0.14 | 0.08 | 1.81 | 1.76 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 668 | 0.100 | 30.50 | 0.00 | 1.00 | 0.00 | 6.68 | 22.39 | 0.00 | 24.42 | 0.00 | 1.61 | 0.14 | 0.08 | 1.83 | 1.77 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 669 | 0.000 | 30.50 | 0.00 | 1.00 | 0.00 | 6.76 | 22.67 | 0.00 | 24.70 | 0.00 | 1.62 | 0.15 | 0.08 | 1.85 | 1.79 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 605 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 606 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 607 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 608 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 609 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 610 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 611 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 612 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 613 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 614 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 615 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 616 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 617 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 618 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 619 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 620 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 621 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 622 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 623 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 624 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 625 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 626 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 627 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 628 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 629 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 630 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 631 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 632 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 633 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 634 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 635 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 636 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 637 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 638 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 639 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 640 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 641 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 642 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 643 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 644 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 645 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 646 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 647 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 648 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 649 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 650 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 651 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 652 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 653 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 654 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 655 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 656 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 657 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 658 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 659 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 660 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 661 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 662 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 663 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 664 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 665 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 666 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 667 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 668 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 669 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Trib. LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 2 Pontchatoula Trib. Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | HDWTR | 0.00283 | 29.80 | 0.00 | 0.00 | 0.00 | 6.85 | 21.36 | 0.00 | 22.00 | 0.00 | 3.96 | 0.15 | 0.02 | 0.00 | 6.00 | 0.00 | 0.00 |
| 193 | WSTLD | 0.00386 | 26.80 | 0.00 | 0.00 | 0.00 | 5.00 | 22.00 | 0.00 | 22.00 | 0.00 | 4.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | WSTLD | 0.00386 | 29.80 | 0.00 | 0.00 | 0.00 | 5.00 | 23.00 | 0.00 | 23.00 | 0.00 | 1.70 | 3.33 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 8.00 | 7.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.05 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 124 | 7.90 | 7.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.11 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 125 | 7.80 | 7.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.16 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 126 | 7.70 | 7.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.22 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 127 | 7.60 | 7.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.27 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 128 | 7.50 | 7.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.33 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 129 | 7.40 | 7.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.38 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 130 | 7.30 | 7.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.44 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 131 | 7.20 | 7.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.49 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 132 | 7.10 | 7.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.55 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 133 | 7.00 | 6.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.60 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 134 | 6.90 | 6.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.65 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 135 | 6.80 | 6.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.71 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 136 | 6.70 | 6.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.76 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 137 | 6.60 | 6.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.82 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 138 | 6.50 | 6.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.87 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 139 | 6.40 | 6.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.93 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 140 | 6.30 | 6.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.98 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 141 | 6.20 | 6.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.04 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 142 | 6.10 | 6.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.09 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 143 | 6.00 | 5.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.15 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 144 | 5.90 | 5.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.20 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 145 | 5.80 | 5.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.25 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 146 | 5.70 | 5.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.31 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 147 | 5.60 | 5.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.36 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 148 | 5.50 | 5.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.42 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 149 | 5.40 | 5.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.47 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 150 | 5.30 | 5.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.53 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 151 | 5.20 | 5.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.58 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 152 | 5.10 | 5.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.64 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 153 | 5.00 | 4.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.69 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 154 | 4.90 | 4.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.75 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 155 | 4.80 | 4.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.80 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 156 | 4.70 | 4.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.85 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 157 | 4.60 | 4.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.91 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 158 | 4.50 | 4.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.96 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 159 | 4.40 | 4.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.02 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 160 | 4.30 | 4.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.07 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 161 | 4.20 | 4.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.13 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 162 | 4.10 | 4.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.18 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 163 | 4.00 | 3.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.24 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 164 | 3.90 | 3.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.29 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 165 | 3.80 | 3.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.35 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 166 | 3.70 | 3.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.40 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 167 | 3.60 | 3.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.45 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 168 | 3.50 | 3.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.51 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 169 | 3.40 | 3.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.56 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 170 | 3.30 | 3.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.62 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 171 | 3.20 | 3.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.67 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 172 | 3.10 | 3.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.73 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 173 | 3.00 | 2.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.78 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 174 | 2.90 | 2.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.84 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 175 | 2.80 | 2.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.89 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 176 | 2.70 | 2.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.95 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 177 | 2.60 | 2.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.00 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 178 | 2.50 | 2.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.05 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 179 | 2.40 | 2.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.11 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 180 | 2.30 | 2.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.16 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 181 | 2.20 | 2.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.22 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 182 | 2.10 | 2.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.27 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 183 | 2.00 | 1.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.33 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 184 | 1.90 | 1.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.38 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 185 | 1.80 | 1.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.44 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 186 | 1.70 | 1.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.49 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 187 | 1.60 | 1.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.54 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 188 | 1.50 | 1.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.60 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 189 | 1.40 | 1.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.65 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 190 | 1.30 | 1.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.71 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 191 | 1.20 | 1.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.76 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 192 | 1.10 | 1.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.82 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 193 | 1.00 | 0.90 | 0.00669 | 57.7 | 0.04495 | 0.03 | 3.84 | 0.16 | 0.91 | 14.88 | 91.00 | 0.15 | 0.00 | 0.000 | 0.000 | 0.045 |
| 194 | 0.90 | 0.80 | 0.00669 | 57.7 | 0.04495 | 0.03 | 3.87 | 0.16 | 0.91 | 14.88 | 91.00 | 0.15 | 0.00 | 0.000 | 0.000 | 0.045 |
| 195 | 0.80 | 0.70 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.89 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 196 | 0.70 | 0.60 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.90 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 197 | 0.60 | 0.50 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.92 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 198 | 0.50 | 0.40 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.94 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 199 | 0.40 | 0.30 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.96 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 200 | 0.30 | 0.20 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.97 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 201 | 0.20 | 0.10 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.99 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 202 | 0.10 | 0.00 | 0.01055 | 73.2 | 0.06688 | 0.02 | 4.01 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| TOT | | | | | | 4.01 | | | | 1089.42 | 7280.00 | | | | | |
| AVG | | | | | 0.0231 | | | 0.15 | 0.91 | | | 0.14 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 7.800 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 7.700 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 7.600 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 7.500 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 7.400 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 7.300 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 7.200 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 7.100 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 7.000 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 6.900 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 6.800 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 6.700 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 6.600 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 6.500 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 6.400 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 6.300 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 6.200 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | 6.100 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 6.000 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 5.900 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 5.800 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 5.700 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 5.600 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 5.500 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 5.400 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 5.300 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 5.200 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 5.100 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 5.000 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 4.900 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 4.800 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 4.700 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 4.600 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 4.500 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 4.400 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 4.300 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 4.200 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 4.100 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 4.000 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 3.900 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 3.800 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 3.700 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 3.600 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 3.500 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 3.400 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 3.300 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 3.200 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 3.100 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 3.000 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 2.900 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 2.800 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 2.700 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 2.600 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 2.500 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 2.400 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 2.300 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 2.200 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 2.100 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 2.000 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 1.900 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 1.800 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 1.700 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 1.600 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 1.500 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 1.400 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 1.300 | 7.56 | 7.94 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 1.200 | 7.56 | 7.94 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 1.100 | 7.56 | 7.94 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 1.000 | 7.56 | 7.94 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 0.900 | 7.56 | 9.60 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 0.800 | 7.56 | 9.60 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 0.700 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 0.600 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 0.500 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 0.400 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 0.300 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 0.200 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 0.100 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 0.000 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 6.91 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 29.80 | 0.00 | 1.00 | 0.00 | 7.04 | 21.20 | 0.00 | 21.84 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |
| 124 | 7.800 | 29.80 | 0.00 | 1.00 | 0.00 | 7.18 | 21.05 | 0.00 | 21.68 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 125 | 7.700 | 29.81 | 0.00 | 1.00 | 0.00 | 7.27 | 20.90 | 0.00 | 21.52 | 0.00 | 3.90 | 0.15 | 0.03 | 4.07 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.8 | 0.0 | 0. | 0.00 |
| 126 | 7.600 | 29.81 | 0.00 | 1.00 | 0.00 | 7.33 | 20.75 | 0.00 | 21.36 | 0.00 | 3.90 | 0.15 | 0.03 | 4.07 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.8 | 0.0 | 0. | 0.00 |
| 127 | 7.500 | 29.81 | 0.00 | 1.00 | 0.00 | 7.38 | 20.60 | 0.00 | 21.21 | 0.00 | 3.90 | 0.15 | 0.03 | 4.07 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. | 0.00 |
| 128 | 7.400 | 29.81 | 0.00 | 1.00 | 0.00 | 7.41 | 20.45 | 0.00 | 21.05 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. | 0.00 |
| 129 | 7.300 | 29.82 | 0.00 | 1.00 | 0.00 | 7.43 | 20.30 | 0.00 | 20.90 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.6 | 0.0 | 0. | 0.00 |
| 130 | 7.200 | 29.82 | 0.00 | 1.00 | 0.00 | 7.45 | 20.15 | 0.00 | 20.75 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.6 | 0.0 | 0. | 0.00 |
| 131 | 7.100 | 29.82 | 0.00 | 1.00 | 0.00 | 7.46 | 20.01 | 0.00 | 20.59 | 0.00 | 3.89 | 0.14 | 0.04 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.5 | 0.0 | 0. | 0.00 |
| 132 | 7.000 | 29.82 | 0.00 | 1.00 | 0.00 | 7.47 | 19.86 | 0.00 | 20.44 | 0.00 | 3.88 | 0.14 | 0.04 | 4.06 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.4 | 0.0 | 0. | 0.00 |
| 133 | 6.900 | 29.83 | 0.00 | 1.00 | 0.00 | 7.47 | 19.72 | 0.00 | 20.29 | 0.00 | 3.88 | 0.14 | 0.04 | 4.06 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.4 | 0.0 | 0. | 0.00 |
| 134 | 6.800 | 29.83 | 0.00 | 1.00 | 0.00 | 7.48 | 19.57 | 0.00 | 20.14 | 0.00 | 3.88 | 0.14 | 0.04 | 4.06 | 3.92 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. | 0.00 |
| 135 | 6.700 | 29.83 | 0.00 | 1.00 | 0.00 | 7.48 | 19.43 | 0.00 | 19.99 | 0.00 | 3.88 | 0.14 | 0.04 | 4.06 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. | 0.00 |
| 136 | 6.600 | 29.83 | 0.00 | 1.00 | 0.00 | 7.48 | 19.29 | 0.00 | 19.85 | 0.00 | 3.87 | 0.14 | 0.04 | 4.06 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. | 0.00 |
| 137 | 6.500 | 29.84 | 0.00 | 1.00 | 0.00 | 7.48 | 19.15 | 0.00 | 19.70 | 0.00 | 3.87 | 0.14 | 0.04 | 4.06 | 3.91 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. | 0.00 |
| 138 | 6.400 | 29.84 | 0.00 | 1.00 | 0.00 | 7.48 | 19.01 | 0.00 | 19.55 | 0.00 | 3.87 | 0.14 | 0.05 | 4.06 | 3.91 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.1 | 0.0 | 0. | 0.00 |
| 139 | 6.300 | 29.84 | 0.00 | 1.00 | 0.00 | 7.48 | 18.87 | 0.00 | 19.41 | 0.00 | 3.87 | 0.14 | 0.05 | 4.05 | 3.91 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. | 0.00 |
| 140 | 6.200 | 29.84 | 0.00 | 1.00 | 0.00 | 7.49 | 18.73 | 0.00 | 19.27 | 0.00 | 3.86 | 0.14 | 0.05 | 4.05 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. | 0.00 |
| 141 | 6.100 | 29.85 | 0.00 | 1.00 | 0.00 | 7.49 | 18.60 | 0.00 | 19.12 | 0.00 | 3.86 | 0.14 | 0.05 | 4.05 | 3.90 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 142 | 6.000 | 29.85 | 0.00 | 1.00 | 0.00 | 7.49 | 18.46 | 0.00 | 18.98 | 0.00 | 3.86 | 0.14 | 0.05 | 4.05 | 3.90 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 143 | 5.900 | 29.85 | 0.00 | 1.00 | 0.00 | 7.49 | 18.33 | 0.00 | 18.84 | 0.00 | 3.86 | 0.14 | 0.05 | 4.05 | 3.90 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 144 | 5.800 | 29.85 | 0.00 | 1.00 | 0.00 | 7.49 | 18.19 | 0.00 | 18.70 | 0.00 | 3.85 | 0.14 | 0.06 | 4.05 | 3.89 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 145 | 5.700 | 29.86 | 0.00 | 1.00 | 0.00 | 7.49 | 18.06 | 0.00 | 18.56 | 0.00 | 3.85 | 0.14 | 0.06 | 4.04 | 3.89 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 146 | 5.600 | 29.86 | 0.00 | 1.00 | 0.00 | 7.49 | 17.93 | 0.00 | 18.43 | 0.00 | 3.85 | 0.14 | 0.06 | 4.04 | 3.89 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 147 | 5.500 | 29.86 | 0.00 | 1.00 | 0.00 | 7.49 | 17.80 | 0.00 | 18.29 | 0.00 | 3.84 | 0.14 | 0.06 | 4.04 | 3.88 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 148 | 5.400 | 29.86 | 0.00 | 1.00 | 0.00 | 7.49 | 17.67 | 0.00 | 18.15 | 0.00 | 3.84 | 0.14 | 0.06 | 4.04 | 3.88 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 149 | 5.300 | 29.87 | 0.00 | 1.00 | 0.00 | 7.49 | 17.54 | 0.00 | 18.02 | 0.00 | 3.84 | 0.14 | 0.06 | 4.04 | 3.88 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 150 | 5.200 | 29.87 | 0.00 | 1.00 | 0.00 | 7.49 | 17.41 | 0.00 | 17.88 | 0.00 | 3.84 | 0.14 | 0.06 | 4.04 | 3.87 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 151 | 5.100 | 29.87 | 0.00 | 1.00 | 0.00 | 7.49 | 17.28 | 0.00 | 17.75 | 0.00 | 3.83 | 0.14 | 0.07 | 4.04 | 3.87 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 152 | 5.000 | 29.88 | 0.00 | 1.00 | 0.00 | 7.49 | 17.16 | 0.00 | 17.62 | 0.00 | 3.83 | 0.14 | 0.07 | 4.03 | 3.87 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 153 | 4.900 | 29.88 | 0.00 | 1.00 | 0.00 | 7.49 | 17.03 | 0.00 | 17.49 | 0.00 | 3.83 | 0.14 | 0.07 | 4.03 | 3.87 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 154 | 4.800 | 29.88 | 0.00 | 1.00 | 0.00 | 7.49 | 16.91 | 0.00 | 17.35 | 0.00 | 3.83 | 0.13 | 0.07 | 4.03 | 3.86 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 155 | 4.700 | 29.88 | 0.00 | 1.00 | 0.00 | 7.49 | 16.78 | 0.00 | 17.22 | 0.00 | 3.82 | 0.13 | 0.07 | 4.03 | 3.86 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 156 | 4.600 | 29.89 | 0.00 | 1.00 | 0.00 | 7.49 | 16.66 | 0.00 | 17.10 | 0.00 | 3.82 | 0.13 | 0.07 | 4.03 | 3.86 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 157 | 4.500 | 29.89 | 0.00 | 1.00 | 0.00 | 7.49 | 16.54 | 0.00 | 16.97 | 0.00 | 3.82 | 0.13 | 0.07 | 4.03 | 3.85 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 158 | 4.400 | 29.89 | 0.00 | 1.00 | 0.00 | 7.49 | 16.42 | 0.00 | 16.84 | 0.00 | 3.82 | 0.13 | 0.08 | 4.03 | 3.85 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 159 | 4.300 | 29.89 | 0.00 | 1.00 | 0.00 | 7.49 | 16.30 | 0.00 | 16.71 | 0.00 | 3.81 | 0.13 | 0.08 | 4.02 | 3.85 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 160 | 4.200 | 29.90 | 0.00 | 1.00 | 0.00 | 7.49 | 16.18 | 0.00 | 16.59 | 0.00 | 3.81 | 0.13 | 0.08 | 4.02 | 3.84 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 161 | 4.100 | 29.90 | 0.00 | 1.00 | 0.00 | 7.49 | 16.06 | 0.00 | 16.46 | 0.00 | 3.81 | 0.13 | 0.08 | 4.02 | 3.84 | 4.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 162 | 4.000 | 29.90 | 0.00 | 1.00 | 0.00 | 7.49 | 15.94 | 0.00 | 16.34 | 0.00 | 3.81 | 0.13 | 0.08 | 4.02 | 3.84 | 4.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 163 | 3.900 | 29.90 | 0.00 | 1.00 | 0.00 | 7.49 | 15.82 | 0.00 | 16.22 | 0.00 | 3.80 | 0.13 | 0.08 | 4.02 | 3.84 | 4.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 164 | 3.800 | 29.90 | 0.00 | 1.00 | 0.00 | 7.49 | 15.70 | 0.00 | 16.09 | 0.00 | 3.80 | 0.13 | 0.08 | 4.02 | 3.83 | 4.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 165 | 3.700 | 29.91 | 0.00 | 1.00 | 0.00 | 7.49 | 15.59 | 0.00 | 15.97 | 0.00 | 3.80 | 0.13 | 0.08 | 4.01 | 3.83 | 4.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 166 | 3.600 | 29.91 | 0.00 | 1.00 | 0.00 | 7.48 | 15.47 | 0.00 | 15.85 | 0.00 | 3.80 | 0.13 | 0.09 | 4.01 | 3.83 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 167 | 3.500 | 29.91 | 0.00 | 1.00 | 0.00 | 7.48 | 15.36 | 0.00 | 15.73 | 0.00 | 3.79 | 0.13 | 0.09 | 4.01 | 3.82 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 168 | 3.400 | 29.91 | 0.00 | 1.00 | 0.00 | 7.48 | 15.25 | 0.00 | 15.61 | 0.00 | 3.79 | 0.13 | 0.09 | 4.01 | 3.82 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 169 | 3.300 | 29.92 | 0.00 | 1.00 | 0.00 | 7.48 | 15.13 | 0.00 | 15.49 | 0.00 | 3.79 | 0.13 | 0.09 | 4.01 | 3.82 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 170 | 3.200 | 29.92 | 0.00 | 1.00 | 0.00 | 7.48 | 15.02 | 0.00 | 15.37 | 0.00 | 3.79 | 0.13 | 0.09 | 4.01 | 3.81 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 171 | 3.100 | 29.92 | 0.00 | 1.00 | 0.00 | 7.48 | 14.91 | 0.00 | 15.26 | 0.00 | 3.78 | 0.13 | 0.09 | 4.01 | 3.81 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 172 | 3.000 | 29.92 | 0.00 | 1.00 | 0.00 | 7.48 | 14.80 | 0.00 | 15.14 | 0.00 | 3.78 | 0.13 | 0.09 | 4.00 | 3.81 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 173 | 2.900 | 29.93 | 0.00 | 1.00 | 0.00 | 7.48 | 14.69 | 0.00 | 15.03 | 0.00 | 3.78 | 0.13 | 0.10 | 4.00 | 3.81 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 174 | 2.800 | 29.93 | 0.00 | 1.00 | 0.00 | 7.48 | 14.58 | 0.00 | 14.91 | 0.00 | 3.78 | 0.13 | 0.10 | 4.00 | 3.80 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 175 | 2.700 | 29.93 | 0.00 | 1.00 | 0.00 | 7.48 | 14.48 | 0.00 | 14.80 | 0.00 | 3.77 | 0.13 | 0.10 | 4.00 | 3.80 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 176 | 2.600 | 29.93 | 0.00 | 1.00 | 0.00 | 7.48 | 14.37 | 0.00 | 14.68 | 0.00 | 3.77 | 0.13 | 0.10 | 4.00 | 3.80 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 177 | 2.500 | 29.94 | 0.00 | 1.00 | 0.00 | 7.48 | 14.26 | 0.00 | 14.57 | 0.00 | 3.77 | 0.13 | 0.10 | 4.00 | 3.79 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 178 | 2.400 | 29.94 | 0.00 | 1.00 | 0.00 | 7.48 | 14.16 | 0.00 | 14.46 | 0.00 | 3.77 | 0.13 | 0.10 | 4.00 | 3.79 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 179 | 2.300 | 29.94 | 0.00 | 1.00 | 0.00 | 7.48 | 14.05 | 0.00 | 14.35 | 0.00 | 3.76 | 0.13 | 0.10 | 3.99 | 3.79 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |
| 180 | 2.200 | 29.94 | 0.00 | 1.00 | 0.00 | 7.48 | 13.95 | 0.00 | 14.24 | 0.00 | 3.76 | 0.13 | 0.10 | 3.99 | 3.78 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 181 | 2.100 | 29.95 | 0.00 | 1.00 | 0.00 | 7.48 | 13.84 | 0.00 | 14.13 | 0.00 | 3.76 | 0.13 | 0.11 | 3.99 | 3.78 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 182 | 2.000 | 29.95 | 0.00 | 1.00 | 0.00 | 7.48 | 13.74 | 0.00 | 14.02 | 0.00 | 3.76 | 0.13 | 0.11 | 3.99 | 3.78 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 183 | 1.900 | 29.95 | 0.00 | 1.00 | 0.00 | 7.48 | 13.64 | 0.00 | 13.91 | 0.00 | 3.75 | 0.13 | 0.11 | 3.99 | 3.78 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 184 | 1.800 | 29.95 | 0.00 | 1.00 | 0.00 | 7.48 | 13.54 | 0.00 | 13.80 | 0.00 | 3.75 | 0.13 | 0.11 | 3.99 | 3.77 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 185 | 1.700 | 29.96 | 0.00 | 1.00 | 0.00 | 7.48 | 13.44 | 0.00 | 13.70 | 0.00 | 3.75 | 0.13 | 0.11 | 3.99 | 3.77 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 186 | 1.600 | 29.96 | 0.00 | 1.00 | 0.00 | 7.48 | 13.34 | 0.00 | 13.59 | 0.00 | 3.75 | 0.13 | 0.11 | 3.98 | 3.77 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 187 | 1.500 | 29.96 | 0.00 | 1.00 | 0.00 | 7.48 | 13.24 | 0.00 | 13.49 | 0.00 | 3.74 | 0.13 | 0.11 | 3.98 | 3.76 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 188 | 1.400 | 29.97 | 0.00 | 1.00 | 0.00 | 7.48 | 13.14 | 0.00 | 13.38 | 0.00 | 3.74 | 0.12 | 0.11 | 3.98 | 3.76 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 189 | 1.300 | 29.97 | 0.00 | 1.00 | 0.00 | 7.48 | 13.04 | 0.00 | 13.28 | 0.00 | 3.74 | 0.12 | 0.12 | 3.98 | 3.76 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. | 0.00 |
| 190 | 1.200 | 29.97 | 0.00 | 1.00 | 0.00 | 7.48 | 12.94 | 0.00 | 13.17 | 0.00 | 3.74 | 0.12 | 0.12 | 3.98 | 3.76 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. | 0.00 |
| 191 | 1.100 | 29.97 | 0.00 | 1.00 | 0.00 | 7.48 | 12.85 | 0.00 | 13.07 | 0.00 | 3.73 | 0.12 | 0.12 | 3.98 | 3.75 | 3.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.1 | 0.0 | 0. | 0.00 |
| 192 | 1.000 | 29.98 | 0.00 | 1.00 | 0.00 | 7.48 | 12.75 | 0.00 | 12.97 | 0.00 | 3.73 | 0.12 | 0.12 | 3.97 | 3.75 | 3.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.1 | 0.0 | 0. | 0.00 |
| 193 | 0.900 | 29.98 | 0.00 | 1.00 | 0.00 | 6.33 | 18.03 | 0.00 | 18.24 | 0.00 | 3.89 | 0.14 | 0.05 | 4.08 | 3.90 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.0 | 0.0 | 0. | 0.00 |
| 194 | 0.800 | 29.98 | 0.00 | 1.00 | 0.00 | 6.55 | 17.97 | 0.00 | 18.18 | 0.00 | 3.88 | 0.14 | 0.05 | 4.08 | 3.90 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.0 | 0.0 | 0. | 0.00 |
| 195 | 0.700 | 29.98 | 0.00 | 1.00 | 0.00 | 6.20 | 19.76 | 0.00 | 19.97 | 0.00 | 3.08 | 1.30 | 0.77 | 5.15 | 3.10 | 5.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.9 | 0.0 | 0. | 0.00 |
| 196 | 0.600 | 29.99 | 0.00 | 1.00 | 0.00 | 6.38 | 19.72 | 0.00 | 19.91 | 0.00 | 3.08 | 1.29 | 0.78 | 5.15 | 3.10 | 5.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.8 | 0.0 | 0. | 0.00 |
| 197 | 0.500 | 29.99 | 0.00 | 1.00 | 0.00 | 6.53 | 19.67 | 0.00 | 19.86 | 0.00 | 3.08 | 1.28 | 0.78 | 5.15 | 3.10 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.8 | 0.0 | 0. | 0.00 |
| 198 | 0.400 | 29.99 | 0.00 | 1.00 | 0.00 | 6.65 | 19.62 | 0.00 | 19.81 | 0.00 | 3.08 | 1.27 | 0.79 | 5.15 | 3.10 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.7 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 199 | 0.300 | 29.99 | 0.00 | 1.00 | 0.00 | 6.76 | 19.57 | 0.00 | 19.75 | 0.00 | 3.08 | 1.27 | 0.80 | 5.14 | 3.10 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.7 | 0.0 | 0. | 0.00 |
| 200 | 0.200 | 30.00 | 0.00 | 1.00 | 0.00 | 6.84 | 19.53 | 0.00 | 19.70 | 0.00 | 3.08 | 1.26 | 0.80 | 5.14 | 3.09 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.6 | 0.0 | 0. | 0.00 |
| 201 | 0.100 | 30.00 | 0.00 | 1.00 | 0.00 | 6.92 | 19.48 | 0.00 | 19.65 | 0.00 | 3.08 | 1.25 | 0.81 | 5.14 | 3.09 | 5.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.6 | 0.0 | 0. | 0.00 |
| 202 | 0.000 | 30.00 | 0.00 | 1.00 | 0.00 | 6.98 | 19.43 | 0.00 | 19.59 | 0.00 | 3.08 | 1.24 | 0.82 | 5.14 | 3.09 | 5.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 124 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 125 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 126 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 127 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 128 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 129 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 130 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 131 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 132 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 133 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 134 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 135 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 136 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 137 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 138 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 139 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 140 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 141 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 142 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 143 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 144 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 145 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 146 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 147 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 148 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 149 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 150 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 151 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 152 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 153 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 154 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 155 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 156 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 157 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 158 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 159 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 160 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 161 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 162 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 163 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 164 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 165 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 166 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 167 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 168 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 169 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 170 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 171 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 172 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 173 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 174 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 175 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 176 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 177 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 178 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 179 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 180 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 181 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 182 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 183 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 184 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 185 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 186 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 187 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 188 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 189 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 190 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 191 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 192 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 193 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 194 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 195 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 196 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 197 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 198 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 199 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 200 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 201 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 202 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT East Pont. LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 5 East Pontchatoula Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | HDWTR | 0.00283 | 25.80 | 0.00 | 0.00 | 0.00 | 6.85 | 12.47 | 0.00 | 13.00 | 0.00 | 1.15 | 0.11 | 0.09 | 0.00 | 5.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00009 | 25.80 | 0.00 | 0.00 | 0.00 | 6.85 | 13.00 | 0.00 | | | 1.15 | 0.11 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 302 | WSTLD | 0.00079 | 29.80 | 0.00 | 0.00 | 0.00 | 2.30 | 66.90 | 0.00 | 66.90 | 0.00 | 4.90 | 9.70 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | WSTLD | 0.00046 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | WSTLD | 0.00007 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 103.50 | 0.00 | 103.50 | 0.00 | 7.50 | 15.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | WSTLD | 0.00024 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 72.00 | 0.00 | 72.00 | 0.00 | 5.20 | 10.44 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | WSTLD | 0.00301 | 29.80 | 0.00 | 0.00 | 0.00 | 3.20 | 50.70 | 0.00 | 50.70 | 0.00 | 3.70 | 7.34 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.90 | 10.80 | 0.00292 | 0.0 | 0.00265 | 0.44 | 0.44 | 0.28 | 3.87 | 110.21 | 387.00 | 1.10 | 0.00 | 0.000 | 0.000 | 0.003 |
| 281 | 10.80 | 10.70 | 0.00301 | 0.0 | 0.00272 | 0.42 | 0.86 | 0.29 | 3.87 | 110.65 | 387.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.003 |
| 282 | 10.70 | 10.60 | 0.00311 | 0.0 | 0.00280 | 0.41 | 1.28 | 0.29 | 3.87 | 111.07 | 387.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.003 |
| 283 | 10.60 | 10.50 | 0.00320 | 0.0 | 0.00287 | 0.40 | 1.68 | 0.29 | 3.87 | 111.49 | 387.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.003 |
| 284 | 10.50 | 10.40 | 0.00329 | 0.0 | 0.00294 | 0.39 | 2.07 | 0.29 | 3.87 | 111.89 | 387.00 | 1.12 | 0.00 | 0.000 | 0.000 | 0.003 |
| 285 | 10.40 | 10.30 | 0.00338 | 0.0 | 0.00301 | 0.38 | 2.46 | 0.29 | 3.87 | 112.28 | 387.00 | 1.12 | 0.00 | 0.000 | 0.000 | 0.003 |
| 286 | 10.30 | 10.20 | 0.00347 | 0.0 | 0.00308 | 0.38 | 2.83 | 0.29 | 3.87 | 112.67 | 387.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.003 |
| 287 | 10.20 | 10.10 | 0.00356 | 0.0 | 0.00315 | 0.37 | 3.20 | 0.29 | 3.87 | 113.04 | 387.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.003 |
| 288 | 10.10 | 10.00 | 0.00366 | 0.0 | 0.00322 | 0.36 | 3.56 | 0.29 | 3.87 | 113.41 | 387.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.003 |
| 289 | 10.00 | 9.90 | 0.00375 | 0.0 | 0.00329 | 0.35 | 3.91 | 0.29 | 3.87 | 113.77 | 387.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.003 |
| 290 | 9.90 | 9.80 | 0.00384 | 0.0 | 0.00336 | 0.34 | 4.25 | 0.29 | 3.87 | 114.12 | 387.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.003 |
| 291 | 9.80 | 9.70 | 0.00393 | 0.0 | 0.00343 | 0.34 | 4.59 | 0.30 | 3.87 | 114.47 | 387.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.003 |
| 292 | 9.70 | 9.60 | 0.00402 | 0.0 | 0.00350 | 0.33 | 4.92 | 0.30 | 3.87 | 114.80 | 387.00 | 1.15 | 0.00 | 0.000 | 0.000 | 0.004 |
| 293 | 9.60 | 9.50 | 0.00411 | 0.0 | 0.00357 | 0.32 | 5.25 | 0.30 | 3.87 | 115.14 | 387.00 | 1.15 | 0.00 | 0.000 | 0.000 | 0.004 |
| 294 | 9.50 | 9.40 | 0.00421 | 0.0 | 0.00364 | 0.32 | 5.56 | 0.30 | 3.87 | 115.46 | 387.00 | 1.15 | 0.00 | 0.000 | 0.000 | 0.004 |
| 295 | 9.40 | 9.30 | 0.00430 | 0.0 | 0.00371 | 0.31 | 5.88 | 0.30 | 3.87 | 115.78 | 387.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.004 |
| 296 | 9.30 | 9.20 | 0.00439 | 0.0 | 0.00378 | 0.31 | 6.18 | 0.30 | 3.87 | 116.09 | 387.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.004 |
| 297 | 9.20 | 9.10 | 0.00448 | 0.0 | 0.00385 | 0.30 | 6.48 | 0.30 | 3.87 | 116.40 | 387.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.004 |
| 298 | 9.10 | 9.00 | 0.00457 | 0.0 | 0.00392 | 0.30 | 6.78 | 0.30 | 3.87 | 116.70 | 387.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.004 |
| 299 | 9.00 | 8.90 | 0.00466 | 0.0 | 0.00399 | 0.29 | 7.07 | 0.30 | 3.87 | 117.00 | 387.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.004 |
| 300 | 8.90 | 8.80 | 0.00476 | 0.0 | 0.00406 | 0.29 | 7.35 | 0.30 | 3.87 | 117.29 | 387.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.004 |
| 301 | 8.80 | 8.70 | 0.00485 | 0.0 | 0.00412 | 0.28 | 7.63 | 0.30 | 3.87 | 117.57 | 387.00 | 1.18 | 0.00 | 0.000 | 0.000 | 0.004 |
| 302 | 8.70 | 8.60 | 0.00573 | 13.8 | 0.00477 | 0.24 | 7.88 | 0.31 | 3.87 | 120.11 | 387.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.005 |
| 303 | 8.60 | 8.50 | 0.00582 | 13.6 | 0.00484 | 0.24 | 8.12 | 0.31 | 3.87 | 120.35 | 387.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.005 |
| 304 | 8.50 | 8.40 | 0.00591 | 13.4 | 0.00490 | 0.24 | 8.35 | 0.31 | 3.87 | 120.59 | 387.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.005 |
| 305 | 8.40 | 8.30 | 0.00601 | 13.2 | 0.00497 | 0.23 | 8.58 | 0.31 | 3.87 | 120.83 | 387.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.005 |
| 306 | 8.30 | 8.20 | 0.00610 | 13.0 | 0.00504 | 0.23 | 8.81 | 0.31 | 3.87 | 121.07 | 387.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.005 |
| 307 | 8.20 | 8.10 | 0.00619 | 12.8 | 0.00510 | 0.23 | 9.04 | 0.31 | 3.87 | 121.30 | 387.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.005 |
| 308 | 8.10 | 8.00 | 0.00628 | 12.6 | 0.00517 | 0.22 | 9.27 | 0.31 | 3.87 | 121.53 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |
| 309 | 8.00 | 7.90 | 0.00637 | 12.4 | 0.00523 | 0.22 | 9.49 | 0.31 | 3.87 | 121.75 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 310 | 7.90 | 7.80 | 0.00646 | 12.2 | 0.00530 | 0.22 | 9.70 | 0.32 | 3.87 | 121.97 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |
| 311 | 7.80 | 7.70 | 0.00656 | 12.1 | 0.00537 | 0.22 | 9.92 | 0.32 | 3.87 | 122.19 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |
| 312 | 7.70 | 7.60 | 0.00665 | 11.9 | 0.00543 | 0.21 | 10.13 | 0.32 | 3.87 | 122.41 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |
| 313 | 7.60 | 7.50 | 0.00674 | 11.7 | 0.00550 | 0.21 | 10.34 | 0.32 | 3.87 | 122.62 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.005 |
| 314 | 7.50 | 7.40 | 0.00683 | 11.6 | 0.00556 | 0.21 | 10.55 | 0.32 | 3.87 | 122.84 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.006 |
| 315 | 7.40 | 7.30 | 0.00692 | 11.4 | 0.00563 | 0.21 | 10.76 | 0.32 | 3.87 | 123.05 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.006 |
| 316 | 7.30 | 7.20 | 0.00701 | 11.3 | 0.00569 | 0.20 | 10.96 | 0.32 | 3.87 | 123.25 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.006 |
| 317 | 7.20 | 7.10 | 0.00711 | 11.1 | 0.00576 | 0.20 | 11.16 | 0.32 | 3.87 | 123.46 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.006 |
| 318 | 7.10 | 7.00 | 0.00720 | 11.0 | 0.00582 | 0.20 | 11.36 | 0.32 | 3.87 | 123.66 | 387.00 | 1.24 | 0.00 | 0.000 | 0.000 | 0.006 |
| 319 | 7.00 | 6.90 | 0.00775 | 16.1 | 0.00621 | 0.19 | 11.55 | 0.32 | 3.87 | 124.83 | 387.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.006 |
| 320 | 6.90 | 6.80 | 0.00784 | 15.9 | 0.00627 | 0.18 | 11.73 | 0.32 | 3.87 | 125.02 | 387.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.006 |
| 321 | 6.80 | 6.70 | 0.00793 | 15.8 | 0.00634 | 0.18 | 11.91 | 0.32 | 3.87 | 125.21 | 387.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.006 |
| 322 | 6.70 | 6.60 | 0.00802 | 15.6 | 0.00640 | 0.18 | 12.10 | 0.32 | 3.87 | 125.39 | 387.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.006 |
| 323 | 6.60 | 6.50 | 0.00812 | 15.4 | 0.00646 | 0.18 | 12.27 | 0.32 | 3.87 | 125.57 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.006 |
| 324 | 6.50 | 6.40 | 0.00821 | 15.2 | 0.00653 | 0.18 | 12.45 | 0.32 | 3.87 | 125.75 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 325 | 6.40 | 6.30 | 0.00830 | 15.1 | 0.00659 | 0.18 | 12.63 | 0.33 | 3.87 | 125.93 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 326 | 6.30 | 6.20 | 0.00839 | 14.9 | 0.00665 | 0.17 | 12.80 | 0.33 | 3.87 | 126.11 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 327 | 6.20 | 6.10 | 0.00848 | 14.7 | 0.00672 | 0.17 | 12.97 | 0.33 | 3.87 | 126.28 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 328 | 6.10 | 6.00 | 0.00858 | 14.6 | 0.00678 | 0.17 | 13.14 | 0.33 | 3.87 | 126.46 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 329 | 6.00 | 5.90 | 0.00867 | 14.4 | 0.00684 | 0.17 | 13.31 | 0.33 | 3.87 | 126.63 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 330 | 5.90 | 5.80 | 0.00876 | 14.3 | 0.00691 | 0.17 | 13.48 | 0.33 | 3.87 | 126.80 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 331 | 5.80 | 5.70 | 0.00885 | 14.1 | 0.00697 | 0.17 | 13.65 | 0.33 | 3.87 | 126.97 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 332 | 5.70 | 5.60 | 0.00894 | 14.0 | 0.00703 | 0.16 | 13.81 | 0.33 | 3.87 | 127.13 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 333 | 5.60 | 5.50 | 0.00910 | 14.5 | 0.00714 | 0.16 | 13.97 | 0.33 | 3.87 | 127.43 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 334 | 5.50 | 5.40 | 0.00920 | 14.4 | 0.00721 | 0.16 | 14.13 | 0.33 | 3.87 | 127.59 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 335 | 5.40 | 5.30 | 0.00929 | 14.2 | 0.00727 | 0.16 | 14.29 | 0.33 | 3.87 | 127.75 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 336 | 5.30 | 5.20 | 0.00938 | 14.1 | 0.00733 | 0.16 | 14.45 | 0.33 | 3.87 | 127.91 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 337 | 5.20 | 5.10 | 0.00947 | 13.9 | 0.00740 | 0.16 | 14.61 | 0.33 | 3.87 | 128.07 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 338 | 5.10 | 5.00 | 0.00956 | 13.8 | 0.00746 | 0.16 | 14.76 | 0.33 | 3.87 | 128.23 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 339 | 5.00 | 4.90 | 0.00965 | 13.7 | 0.00752 | 0.15 | 14.92 | 0.33 | 3.87 | 128.38 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.008 |
| 340 | 4.90 | 4.80 | 0.00999 | 15.6 | 0.00774 | 0.15 | 15.07 | 0.33 | 3.87 | 128.94 | 387.00 | 1.29 | 0.00 | 0.000 | 0.000 | 0.008 |
| 341 | 4.80 | 4.70 | 0.01008 | 15.5 | 0.00781 | 0.15 | 15.21 | 0.33 | 3.87 | 129.09 | 387.00 | 1.29 | 0.00 | 0.000 | 0.000 | 0.008 |
| 342 | 4.70 | 4.60 | 0.01017 | 15.3 | 0.00787 | 0.15 | 15.36 | 0.33 | 3.87 | 129.24 | 387.00 | 1.29 | 0.00 | 0.000 | 0.000 | 0.008 |
| 343 | 4.60 | 4.50 | 0.01026 | 15.2 | 0.00793 | 0.15 | 15.51 | 0.33 | 3.87 | 129.39 | 387.00 | 1.29 | 0.00 | 0.000 | 0.000 | 0.008 |
| 344 | 4.50 | 4.40 | 0.01035 | 15.1 | 0.00799 | 0.14 | 15.65 | 0.33 | 3.87 | 129.54 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 345 | 4.40 | 4.30 | 0.01045 | 14.9 | 0.00805 | 0.14 | 15.80 | 0.34 | 3.87 | 129.68 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 346 | 4.30 | 4.20 | 0.01054 | 14.8 | 0.00812 | 0.14 | 15.94 | 0.34 | 3.87 | 129.83 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 347 | 4.20 | 4.10 | 0.01063 | 14.7 | 0.00818 | 0.14 | 16.08 | 0.34 | 3.87 | 129.97 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 348 | 4.10 | 4.00 | 0.01072 | 14.6 | 0.00824 | 0.14 | 16.22 | 0.34 | 3.87 | 130.11 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 349 | 4.00 | 3.90 | 0.01081 | 14.4 | 0.00830 | 0.14 | 16.36 | 0.34 | 3.87 | 130.25 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 350 | 3.90 | 3.80 | 0.01090 | 14.3 | 0.00836 | 0.14 | 16.50 | 0.34 | 3.87 | 130.39 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 351 | 3.80 | 3.70 | 0.01100 | 14.2 | 0.00842 | 0.14 | 16.64 | 0.34 | 3.87 | 130.53 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.008 |
| 352 | 3.70 | 3.60 | 0.01109 | 14.1 | 0.00848 | 0.14 | 16.77 | 0.34 | 3.87 | 130.67 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.008 |
| 353 | 3.60 | 3.50 | 0.01118 | 14.0 | 0.00855 | 0.14 | 16.91 | 0.34 | 3.87 | 130.81 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 354 | 3.50 | 3.40 | 0.01127 | 13.8 | 0.00861 | 0.13 | 17.04 | 0.34 | 3.87 | 130.95 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 355 | 3.40 | 3.30 | 0.01136 | 13.7 | 0.00867 | 0.13 | 17.18 | 0.34 | 3.87 | 131.08 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 356 | 3.30 | 3.20 | 0.01145 | 13.6 | 0.00873 | 0.13 | 17.31 | 0.34 | 3.87 | 131.22 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 357 | 3.20 | 3.10 | 0.01155 | 13.5 | 0.00879 | 0.13 | 17.44 | 0.34 | 3.87 | 131.35 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 358 | 3.10 | 3.00 | 0.01465 | 31.2 | 0.01082 | 0.11 | 17.55 | 0.35 | 3.87 | 135.40 | 387.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.011 |
| 359 | 3.00 | 2.90 | 0.01474 | 31.0 | 0.01088 | 0.11 | 17.65 | 0.35 | 3.87 | 135.51 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 360 | 2.90 | 2.80 | 0.01483 | 30.8 | 0.01094 | 0.11 | 17.76 | 0.35 | 3.87 | 135.62 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 361 | 2.80 | 2.70 | 0.01492 | 30.6 | 0.01099 | 0.11 | 17.86 | 0.35 | 3.87 | 135.73 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 362 | 2.70 | 2.60 | 0.01501 | 30.4 | 0.01105 | 0.10 | 17.97 | 0.35 | 3.87 | 135.83 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 363 | 2.60 | 2.50 | 0.01511 | 30.3 | 0.01111 | 0.10 | 18.07 | 0.35 | 3.87 | 135.94 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 364 | 2.50 | 2.40 | 0.01520 | 30.1 | 0.01117 | 0.10 | 18.18 | 0.35 | 3.87 | 136.04 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 365 | 2.40 | 2.30 | 0.01529 | 29.9 | 0.01123 | 0.10 | 18.28 | 0.35 | 3.87 | 136.15 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 366 | 2.30 | 2.20 | 0.01538 | 29.7 | 0.01129 | 0.10 | 18.38 | 0.35 | 3.87 | 136.25 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 367 | 2.20 | 2.10 | 0.01547 | 29.5 | 0.01135 | 0.10 | 18.48 | 0.35 | 3.87 | 136.36 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 368 | 2.10 | 2.00 | 0.01557 | 29.4 | 0.01141 | 0.10 | 18.59 | 0.35 | 3.87 | 136.46 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 369 | 2.00 | 1.90 | 0.01566 | 29.2 | 0.01147 | 0.10 | 18.69 | 0.35 | 3.87 | 136.56 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.011 |
| 370 | 1.90 | 1.80 | 0.01575 | 29.0 | 0.01152 | 0.10 | 18.79 | 0.35 | 3.87 | 136.66 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 371 | 1.80 | 1.70 | 0.01584 | 28.9 | 0.01158 | 0.10 | 18.89 | 0.35 | 3.87 | 136.76 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 372 | 1.70 | 1.60 | 0.01593 | 28.7 | 0.01164 | 0.10 | 18.99 | 0.35 | 3.87 | 136.87 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 373 | 1.60 | 1.50 | 0.01602 | 28.5 | 0.01170 | 0.10 | 19.09 | 0.35 | 3.87 | 136.97 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 374 | 1.50 | 1.40 | 0.01612 | 28.4 | 0.01176 | 0.10 | 19.18 | 0.35 | 3.87 | 137.07 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 375 | 1.40 | 1.30 | 0.01621 | 28.2 | 0.01182 | 0.10 | 19.28 | 0.35 | 3.87 | 137.16 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 376 | 1.30 | 1.20 | 0.01630 | 28.0 | 0.01187 | 0.10 | 19.38 | 0.35 | 3.87 | 137.26 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 377 | 1.20 | 1.10 | 0.01639 | 27.9 | 0.01193 | 0.10 | 19.48 | 0.35 | 3.87 | 137.36 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 378 | 1.10 | 1.00 | 0.01648 | 27.7 | 0.01199 | 0.10 | 19.57 | 0.36 | 3.87 | 137.46 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 379 | 1.00 | 0.90 | 0.01657 | 27.6 | 0.01205 | 0.10 | 19.67 | 0.36 | 3.87 | 137.56 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 380 | 0.90 | 0.80 | 0.01667 | 27.4 | 0.01211 | 0.10 | 19.76 | 0.36 | 3.87 | 137.65 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 381 | 0.80 | 0.70 | 0.01676 | 27.3 | 0.01217 | 0.10 | 19.86 | 0.36 | 3.87 | 137.75 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 382 | 0.70 | 0.60 | 0.01685 | 27.1 | 0.01222 | 0.09 | 19.95 | 0.36 | 3.87 | 137.85 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 383 | 0.60 | 0.50 | 0.01694 | 27.0 | 0.01228 | 0.09 | 20.05 | 0.36 | 3.87 | 137.94 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 384 | 0.50 | 0.40 | 0.01703 | 26.8 | 0.01234 | 0.09 | 20.14 | 0.36 | 3.87 | 138.04 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 385 | 0.40 | 0.30 | 0.01712 | 26.7 | 0.01240 | 0.09 | 20.24 | 0.36 | 3.87 | 138.13 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 386 | 0.30 | 0.20 | 0.01722 | 26.5 | 0.01246 | 0.09 | 20.33 | 0.36 | 3.87 | 138.23 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 387 | 0.20 | 0.10 | 0.01731 | 26.4 | 0.01251 | 0.09 | 20.42 | 0.36 | 3.87 | 138.32 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.013 |
| 388 | 0.10 | 0.00 | 0.01740 | 26.3 | 0.01257 | 0.09 | 20.51 | 0.36 | 3.87 | 138.41 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.013 |
| TOT | | | | | | 20.51 | | | | 13832.06 | 42183.00 | | | | | |
| AVG | | | | | 0.0061 | | | 0.33 | 3.87 | | | 1.27 | | | | |

************************************************************************ BIOLOGICAL AND PHYSICAL COEFFICIENTS ************************************************************************

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 8.14 | 2.75 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 3.26 | 3.26 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 10.700 | 8.13 | 2.75 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 3.27 | 3.27 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 10.600 | 8.13 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 3.28 | 3.28 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 10.500 | 8.12 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 3.29 | 3.29 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 10.400 | 8.11 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 10.300 | 8.11 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 3.30 | 3.30 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 10.200 | 8.10 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.31 | 3.31 | 3.31 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 10.100 | 8.10 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.32 | 3.32 | 3.32 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 10.000 | 8.09 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | 3.33 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 9.900 | 8.09 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 9.800 | 8.08 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 3.34 | 3.34 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 9.700 | 8.07 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 | 3.35 | 3.35 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 9.600 | 8.07 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 3.36 | 3.36 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 9.500 | 8.06 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.37 | 3.37 | 3.37 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 9.400 | 8.06 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.38 | 3.38 | 3.38 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 9.300 | 8.05 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.39 | 3.39 | 3.39 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 9.200 | 8.05 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.39 | 3.39 | 3.39 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 9.100 | 8.04 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.40 | 3.40 | 3.40 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 9.000 | 8.04 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.41 | 3.41 | 3.41 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 8.900 | 8.03 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.42 | 3.42 | 3.42 | 0.01 | 0.00 | 0.30 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 8.800 | 8.02 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.43 | 3.43 | 3.43 | 0.01 | 0.00 | 0.30 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 8.700 | 8.02 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.43 | 3.43 | 3.43 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 8.600 | 8.01 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.44 | 3.44 | 3.44 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 8.500 | 8.01 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.45 | 3.45 | 3.45 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 8.400 | 8.00 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.46 | 3.46 | 3.46 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 8.300 | 8.00 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.47 | 3.47 | 3.47 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 8.200 | 7.99 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.48 | 3.48 | 3.48 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 8.100 | 7.99 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.49 | 3.49 | 3.49 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 8.000 | 7.98 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.49 | 3.49 | 3.49 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 7.900 | 7.97 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.50 | 3.50 | 3.50 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 7.800 | 7.97 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.51 | 3.51 | 3.51 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 7.700 | 7.96 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.52 | 3.52 | 3.52 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 7.600 | 7.96 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.53 | 3.53 | 3.53 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 7.500 | 7.95 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.54 | 3.54 | 3.54 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 7.400 | 7.95 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.55 | 3.55 | 3.55 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 7.300 | 7.94 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.55 | 3.55 | 3.55 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 7.200 | 7.94 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.56 | 3.56 | 3.56 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 7.100 | 7.93 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.57 | 3.57 | 3.57 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 7.000 | 7.92 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.58 | 3.58 | 3.58 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 6.900 | 7.92 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.59 | 3.59 | 3.59 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 6.800 | 7.91 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.60 | 3.60 | 3.60 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 6.700 | 7.91 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.61 | 3.61 | 3.61 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 6.600 | 7.90 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.61 | 3.61 | 3.61 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 6.500 | 7.90 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.62 | 3.62 | 3.62 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 6.400 | 7.89 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.63 | 3.63 | 3.63 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 6.300 | 7.89 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.64 | 3.64 | 3.64 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 6.200 | 7.88 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.65 | 3.65 | 3.65 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 6.100 | 7.88 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.66 | 3.66 | 3.66 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 6.000 | 7.87 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.67 | 3.67 | 3.67 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 5.900 | 7.87 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.68 | 3.68 | 3.68 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 5.800 | 7.86 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.69 | 3.69 | 3.69 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 5.700 | 7.85 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.69 | 3.69 | 3.69 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 5.600 | 7.85 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.70 | 3.70 | 3.70 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 5.500 | 7.84 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.71 | 3.71 | 3.71 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 5.400 | 7.84 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.72 | 3.72 | 3.72 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 5.300 | 7.83 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.73 | 3.73 | 3.73 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 5.200 | 7.83 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.74 | 3.74 | 3.74 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 5.100 | 7.82 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.75 | 3.75 | 3.75 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 5.000 | 7.82 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.76 | 3.76 | 3.76 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 339 | 4.900 | 7.81 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.77 | 3.77 | 3.77 | 0.01 | 0.00 | 0.34 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 4.800 | 7.81 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.78 | 3.78 | 3.78 | 0.01 | 0.00 | 0.34 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 4.700 | 7.80 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.79 | 3.79 | 3.79 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 4.600 | 7.80 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.79 | 3.79 | 3.79 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 4.500 | 7.79 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.80 | 3.80 | 3.80 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 4.400 | 7.79 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.81 | 3.81 | 3.81 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 4.300 | 7.78 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.82 | 3.82 | 3.82 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 346 | 4.200 | 7.77 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.83 | 3.83 | 3.83 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 347 | 4.100 | 7.77 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.84 | 3.84 | 3.84 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 4.000 | 7.76 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 3.85 | 3.85 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 3.900 | 7.76 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.86 | 3.86 | 3.86 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 3.800 | 7.75 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.87 | 3.87 | 3.87 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 3.700 | 7.75 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.88 | 3.88 | 3.88 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 3.600 | 7.74 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 3.89 | 3.89 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 3.500 | 7.74 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.90 | 3.90 | 3.90 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 3.400 | 7.73 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.91 | 3.91 | 3.91 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 3.300 | 7.73 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.92 | 3.92 | 3.92 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 3.200 | 7.72 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.93 | 3.93 | 3.93 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 357 | 3.100 | 7.72 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.93 | 3.93 | 3.93 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 3.000 | 7.71 | 2.76 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.94 | 3.94 | 3.94 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 2.900 | 7.71 | 2.76 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.95 | 3.95 | 3.95 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 2.800 | 7.70 | 2.76 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.96 | 3.96 | 3.96 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 2.700 | 7.70 | 2.77 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.97 | 3.97 | 3.97 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 2.600 | 7.69 | 2.77 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.98 | 3.98 | 3.98 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 2.500 | 7.69 | 2.77 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.99 | 3.99 | 3.99 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 2.400 | 7.68 | 2.77 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 4.00 | 4.00 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 2.300 | 7.68 | 2.78 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.01 | 4.01 | 4.01 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 2.200 | 7.67 | 2.78 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 4.02 | 4.02 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 2.100 | 7.67 | 2.78 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.03 | 4.03 | 4.03 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 368 | 2.000 | 7.66 | 2.78 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.04 | 4.04 | 4.04 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 1.900 | 7.65 | 2.79 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.05 | 4.05 | 4.05 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 1.800 | 7.65 | 2.79 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.06 | 4.06 | 4.06 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 1.700 | 7.64 | 2.79 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.07 | 4.07 | 4.07 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 1.600 | 7.64 | 2.79 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.08 | 4.08 | 4.08 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 1.500 | 7.63 | 2.80 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.09 | 4.09 | 4.09 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 1.400 | 7.63 | 2.80 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.10 | 4.10 | 4.10 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 375 | 1.300 | 7.62 | 2.80 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.11 | 4.11 | 4.11 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 1.200 | 7.62 | 2.80 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.12 | 4.12 | 4.12 | 0.01 | 0.00 | 0.39 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 1.100 | 7.61 | 2.81 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.13 | 4.13 | 4.13 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 1.000 | 7.61 | 2.81 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.14 | 4.14 | 4.14 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 0.900 | 7.60 | 2.81 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.15 | 4.15 | 4.15 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 0.800 | 7.60 | 2.82 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.16 | 4.16 | 4.16 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 0.700 | 7.59 | 2.82 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 | 4.17 | 4.17 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 0.600 | 7.59 | 2.82 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.18 | 4.18 | 4.18 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 0.500 | 7.58 | 2.82 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 | 4.19 | 4.19 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 0.400 | 7.58 | 2.83 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.20 | 4.20 | 4.20 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 385 | 0.300 | 7.57 | 2.83 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.21 | 4.21 | 4.21 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 0.200 | 7.57 | 2.83 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.22 | 4.22 | 4.22 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 0.100 | 7.56 | 2.83 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.23 | 4.23 | 4.23 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 0.000 | 7.56 | 2.84 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.24 | 4.24 | 4.24 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.35 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 25.84 | 0.00 | 1.00 | 0.00 | 5.23 | 12.05 | 0.00 | 12.58 | 0.00 | 1.10 | 0.10 | 0.09 | 1.30 | 1.15 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. | 0.00 |
| 281 | 10.700 | 25.88 | 0.00 | 1.00 | 0.00 | 4.52 | 11.67 | 0.00 | 12.20 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 282 | 10.600 | 25.92 | 0.00 | 1.00 | 0.00 | 4.21 | 11.32 | 0.00 | 11.85 | 0.00 | 1.10 | 0.09 | 0.09 | 1.28 | 1.14 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 283 | 10.500 | 25.95 | 0.00 | 1.00 | 0.00 | 4.07 | 11.00 | 0.00 | 11.53 | 0.00 | 1.09 | 0.09 | 0.09 | 1.27 | 1.13 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 284 | 10.400 | 25.99 | 0.00 | 1.00 | 0.00 | 4.00 | 10.71 | 0.00 | 11.23 | 0.00 | 1.09 | 0.08 | 0.09 | 1.26 | 1.13 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 285 | 10.300 | 26.03 | 0.00 | 1.00 | 0.00 | 3.97 | 10.44 | 0.00 | 10.96 | 0.00 | 1.09 | 0.08 | 0.09 | 1.25 | 1.13 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 286 | 10.200 | 26.07 | 0.00 | 1.00 | 0.00 | 3.96 | 10.20 | 0.00 | 10.71 | 0.00 | 1.08 | 0.08 | 0.08 | 1.24 | 1.12 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 287 | 10.100 | 26.11 | 0.00 | 1.00 | 0.00 | 3.95 | 9.97 | 0.00 | 10.48 | 0.00 | 1.08 | 0.07 | 0.08 | 1.24 | 1.12 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 288 | 10.000 | 26.15 | 0.00 | 1.00 | 0.00 | 3.94 | 9.75 | 0.00 | 10.26 | 0.00 | 1.08 | 0.07 | 0.08 | 1.23 | 1.12 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 289 | 9.900 | 26.19 | 0.00 | 1.00 | 0.00 | 3.94 | 9.56 | 0.00 | 10.06 | 0.00 | 1.08 | 0.07 | 0.08 | 1.22 | 1.12 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 290 | 9.800 | 26.22 | 0.00 | 1.00 | 0.00 | 3.93 | 9.37 | 0.00 | 9.88 | 0.00 | 1.07 | 0.07 | 0.08 | 1.22 | 1.11 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 291 | 9.700 | 26.26 | 0.00 | 1.00 | 0.00 | 3.93 | 9.20 | 0.00 | 9.70 | 0.00 | 1.07 | 0.07 | 0.08 | 1.21 | 1.11 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 292 | 9.600 | 26.30 | 0.00 | 1.00 | 0.00 | 3.92 | 9.04 | 0.00 | 9.54 | 0.00 | 1.07 | 0.06 | 0.07 | 1.21 | 1.11 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 293 | 9.500 | 26.34 | 0.00 | 1.00 | 0.00 | 3.92 | 8.89 | 0.00 | 9.39 | 0.00 | 1.07 | 0.06 | 0.07 | 1.20 | 1.11 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 294 | 9.400 | 26.38 | 0.00 | 1.00 | 0.00 | 3.91 | 8.75 | 0.00 | 9.25 | 0.00 | 1.06 | 0.06 | 0.07 | 1.20 | 1.10 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 295 | 9.300 | 26.42 | 0.00 | 1.00 | 0.00 | 3.91 | 8.62 | 0.00 | 9.11 | 0.00 | 1.06 | 0.06 | 0.07 | 1.19 | 1.10 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 296 | 9.200 | 26.46 | 0.00 | 1.00 | 0.00 | 3.90 | 8.50 | 0.00 | 8.99 | 0.00 | 1.06 | 0.06 | 0.07 | 1.19 | 1.10 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 297 | 9.100 | 26.49 | 0.00 | 1.00 | 0.00 | 3.90 | 8.39 | 0.00 | 8.87 | 0.00 | 1.06 | 0.06 | 0.07 | 1.19 | 1.10 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 298 | 9.000 | 26.53 | 0.00 | 1.00 | 0.00 | 3.89 | 8.28 | 0.00 | 8.76 | 0.00 | 1.06 | 0.06 | 0.07 | 1.18 | 1.10 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 299 | 8.900 | 26.57 | 0.00 | 1.00 | 0.00 | 3.89 | 8.18 | 0.00 | 8.66 | 0.00 | 1.06 | 0.06 | 0.06 | 1.18 | 1.09 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 300 | 8.800 | 26.61 | 0.00 | 1.00 | 0.00 | 3.88 | 8.08 | 0.00 | 8.56 | 0.00 | 1.05 | 0.06 | 0.06 | 1.17 | 1.09 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 301 | 8.700 | 26.65 | 0.00 | 1.00 | 0.00 | 3.87 | 7.99 | 0.00 | 8.46 | 0.00 | 1.05 | 0.06 | 0.06 | 1.17 | 1.09 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 302 | 8.600 | 26.69 | 0.00 | 1.00 | 0.00 | 3.46 | 15.85 | 0.00 | 16.32 | 0.00 | 1.58 | 1.30 | 0.41 | 3.28 | 1.62 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 303 | 8.500 | 26.72 | 0.00 | 1.00 | 0.00 | 3.37 | 15.47 | 0.00 | 15.94 | 0.00 | 1.57 | 1.19 | 0.47 | 3.23 | 1.61 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 304 | 8.400 | 26.76 | 0.00 | 1.00 | 0.00 | 3.33 | 15.10 | 0.00 | 15.57 | 0.00 | 1.56 | 1.10 | 0.53 | 3.19 | 1.60 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 305 | 8.300 | 26.80 | 0.00 | 1.00 | 0.00 | 3.32 | 14.75 | 0.00 | 15.21 | 0.00 | 1.55 | 1.02 | 0.57 | 3.14 | 1.58 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 306 | 8.200 | 26.84 | 0.00 | 1.00 | 0.00 | 3.33 | 14.41 | 0.00 | 14.87 | 0.00 | 1.54 | 0.94 | 0.61 | 3.09 | 1.57 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 307 | 8.100 | 26.88 | 0.00 | 1.00 | 0.00 | 3.35 | 14.08 | 0.00 | 14.54 | 0.00 | 1.53 | 0.87 | 0.64 | 3.04 | 1.56 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 308 | 8.000 | 26.92 | 0.00 | 1.00 | 0.00 | 3.37 | 13.76 | 0.00 | 14.22 | 0.00 | 1.52 | 0.81 | 0.66 | 2.99 | 1.55 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 309 | 7.900 | 26.96 | 0.00 | 1.00 | 0.00 | 3.39 | 13.46 | 0.00 | 13.91 | 0.00 | 1.51 | 0.75 | 0.68 | 2.94 | 1.55 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 310 | 7.800 | 26.99 | 0.00 | 1.00 | 0.00 | 3.41 | 13.16 | 0.00 | 13.61 | 0.00 | 1.50 | 0.70 | 0.70 | 2.89 | 1.54 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 311 | 7.700 | 27.03 | 0.00 | 1.00 | 0.00 | 3.43 | 12.88 | 0.00 | 13.33 | 0.00 | 1.49 | 0.65 | 0.71 | 2.85 | 1.53 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 312 | 7.600 | 27.07 | 0.00 | 1.00 | 0.00 | 3.45 | 12.61 | 0.00 | 13.06 | 0.00 | 1.48 | 0.60 | 0.72 | 2.80 | 1.52 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 313 | 7.500 | 27.11 | 0.00 | 1.00 | 0.00 | 3.47 | 12.35 | 0.00 | 12.79 | 0.00 | 1.48 | 0.56 | 0.72 | 2.76 | 1.51 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 314 | 7.400 | 27.15 | 0.00 | 1.00 | 0.00 | 3.48 | 12.10 | 0.00 | 12.54 | 0.00 | 1.47 | 0.52 | 0.73 | 2.72 | 1.50 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 315 | 7.300 | 27.19 | 0.00 | 1.00 | 0.00 | 3.50 | 11.86 | 0.00 | 12.30 | 0.00 | 1.46 | 0.49 | 0.73 | 2.68 | 1.49 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 316 | 7.200 | 27.23 | 0.00 | 1.00 | 0.00 | 3.51 | 11.63 | 0.00 | 12.06 | 0.00 | 1.45 | 0.46 | 0.72 | 2.63 | 1.49 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 317 | 7.100 | 27.26 | 0.00 | 1.00 | 0.00 | 3.52 | 11.41 | 0.00 | 11.84 | 0.00 | 1.45 | 0.43 | 0.72 | 2.60 | 1.48 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 318 | 7.000 | 27.30 | 0.00 | 1.00 | 0.00 | 3.53 | 11.19 | 0.00 | 11.62 | 0.00 | 1.44 | 0.40 | 0.72 | 2.56 | 1.47 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 319 | 6.900 | 27.34 | 0.00 | 1.00 | 0.00 | 3.37 | 14.37 | 0.00 | 14.80 | 0.00 | 1.64 | 0.92 | 0.82 | 3.38 | 1.68 | 3.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 320 | 6.800 | 27.38 | 0.00 | 1.00 | 0.00 | 3.34 | 14.09 | 0.00 | 14.52 | 0.00 | 1.63 | 0.86 | 0.83 | 3.33 | 1.67 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 321 | 6.700 | 27.42 | 0.00 | 1.00 | 0.00 | 3.33 | 13.82 | 0.00 | 14.24 | 0.00 | 1.62 | 0.81 | 0.85 | 3.28 | 1.66 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 322 | 6.600 | 27.46 | 0.00 | 1.00 | 0.00 | 3.32 | 13.55 | 0.00 | 13.97 | 0.00 | 1.62 | 0.76 | 0.86 | 3.23 | 1.65 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 323 | 6.500 | 27.50 | 0.00 | 1.00 | 0.00 | 3.33 | 13.29 | 0.00 | 13.71 | 0.00 | 1.61 | 0.71 | 0.87 | 3.19 | 1.64 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 324 | 6.400 | 27.53 | 0.00 | 1.00 | 0.00 | 3.34 | 13.04 | 0.00 | 13.46 | 0.00 | 1.60 | 0.67 | 0.88 | 3.14 | 1.63 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 325 | 6.300 | 27.57 | 0.00 | 1.00 | 0.00 | 3.35 | 12.80 | 0.00 | 13.21 | 0.00 | 1.59 | 0.63 | 0.88 | 3.10 | 1.62 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 326 | 6.200 | 27.61 | 0.00 | 1.00 | 0.00 | 3.36 | 12.57 | 0.00 | 12.98 | 0.00 | 1.58 | 0.59 | 0.88 | 3.06 | 1.61 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 327 | 6.100 | 27.65 | 0.00 | 1.00 | 0.00 | 3.37 | 12.34 | 0.00 | 12.75 | 0.00 | 1.57 | 0.56 | 0.88 | 3.01 | 1.61 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 328 | 6.000 | 27.69 | 0.00 | 1.00 | 0.00 | 3.38 | 12.13 | 0.00 | 12.53 | 0.00 | 1.57 | 0.53 | 0.88 | 2.97 | 1.60 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 329 | 5.900 | 27.73 | 0.00 | 1.00 | 0.00 | 3.39 | 11.92 | 0.00 | 12.31 | 0.00 | 1.56 | 0.50 | 0.87 | 2.93 | 1.59 | 2.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 330 | 5.800 | 27.77 | 0.00 | 1.00 | 0.00 | 3.40 | 11.71 | 0.00 | 12.11 | 0.00 | 1.55 | 0.47 | 0.87 | 2.89 | 1.58 | 2.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 331 | 5.700 | 27.80 | 0.00 | 1.00 | 0.00 | 3.41 | 11.51 | 0.00 | 11.91 | 0.00 | 1.54 | 0.45 | 0.86 | 2.85 | 1.58 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 332 | 5.600 | 27.84 | 0.00 | 1.00 | 0.00 | 3.42 | 11.32 | 0.00 | 11.71 | 0.00 | 1.54 | 0.42 | 0.86 | 2.82 | 1.57 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 333 | 5.500 | 27.88 | 0.00 | 1.00 | 0.00 | 3.40 | 11.84 | 0.00 | 12.23 | 0.00 | 1.58 | 0.51 | 0.86 | 2.95 | 1.61 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 334 | 5.400 | 27.92 | 0.00 | 1.00 | 0.00 | 3.39 | 11.64 | 0.00 | 12.03 | 0.00 | 1.57 | 0.48 | 0.86 | 2.91 | 1.60 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 335 | 5.300 | 27.96 | 0.00 | 1.00 | 0.00 | 3.39 | 11.46 | 0.00 | 11.84 | 0.00 | 1.56 | 0.45 | 0.85 | 2.87 | 1.59 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 336 | 5.200 | 28.00 | 0.00 | 1.00 | 0.00 | 3.39 | 11.27 | 0.00 | 11.65 | 0.00 | 1.56 | 0.43 | 0.85 | 2.83 | 1.59 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 337 | 5.100 | 28.03 | 0.00 | 1.00 | 0.00 | 3.40 | 11.10 | 0.00 | 11.47 | 0.00 | 1.55 | 0.41 | 0.84 | 2.80 | 1.58 | 2.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 338 | 5.000 | 28.07 | 0.00 | 1.00 | 0.00 | 3.40 | 10.93 | 0.00 | 11.30 | 0.00 | 1.54 | 0.39 | 0.84 | 2.76 | 1.57 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 339 | 4.900 | 28.11 | 0.00 | 1.00 | 0.00 | 3.40 | 10.76 | 0.00 | 11.13 | 0.00 | 1.54 | 0.37 | 0.83 | 2.73 | 1.57 | 2.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 340 | 4.800 | 28.15 | 0.00 | 1.00 | 0.00 | 3.34 | 12.05 | 0.00 | 12.42 | 0.00 | 1.62 | 0.58 | 0.86 | 3.06 | 1.65 | 3.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 341 | 4.700 | 28.19 | 0.00 | 1.00 | 0.00 | 3.33 | 11.87 | 0.00 | 12.24 | 0.00 | 1.61 | 0.55 | 0.86 | 3.02 | 1.64 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 342 | 4.600 | 28.23 | 0.00 | 1.00 | 0.00 | 3.32 | 11.69 | 0.00 | 12.05 | 0.00 | 1.60 | 0.52 | 0.86 | 2.99 | 1.63 | 3.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 343 | 4.500 | 28.27 | 0.00 | 1.00 | 0.00 | 3.32 | 11.51 | 0.00 | 11.88 | 0.00 | 1.60 | 0.50 | 0.86 | 2.95 | 1.63 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 344 | 4.400 | 28.30 | 0.00 | 1.00 | 0.00 | 3.32 | 11.34 | 0.00 | 11.70 | 0.00 | 1.59 | 0.47 | 0.85 | 2.92 | 1.62 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 345 | 4.300 | 28.34 | 0.00 | 1.00 | 0.00 | 3.32 | 11.18 | 0.00 | 11.53 | 0.00 | 1.58 | 0.45 | 0.85 | 2.88 | 1.61 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 346 | 4.200 | 28.38 | 0.00 | 1.00 | 0.00 | 3.32 | 11.02 | 0.00 | 11.37 | 0.00 | 1.58 | 0.43 | 0.85 | 2.85 | 1.61 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 347 | 4.100 | 28.42 | 0.00 | 1.00 | 0.00 | 3.32 | 10.86 | 0.00 | 11.21 | 0.00 | 1.57 | 0.41 | 0.84 | 2.82 | 1.60 | 2.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 348 | 4.000 | 28.46 | 0.00 | 1.00 | 0.00 | 3.33 | 10.71 | 0.00 | 11.06 | 0.00 | 1.56 | 0.39 | 0.83 | 2.79 | 1.59 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 349 | 3.900 | 28.50 | 0.00 | 1.00 | 0.00 | 3.33 | 10.56 | 0.00 | 10.90 | 0.00 | 1.56 | 0.37 | 0.83 | 2.76 | 1.59 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 350 | 3.800 | 28.54 | 0.00 | 1.00 | 0.00 | 3.33 | 10.42 | 0.00 | 10.76 | 0.00 | 1.55 | 0.35 | 0.82 | 2.73 | 1.58 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 351 | 3.700 | 28.57 | 0.00 | 1.00 | 0.00 | 3.33 | 10.28 | 0.00 | 10.62 | 0.00 | 1.55 | 0.34 | 0.81 | 2.70 | 1.57 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 352 | 3.600 | 28.61 | 0.00 | 1.00 | 0.00 | 3.34 | 10.14 | 0.00 | 10.48 | 0.00 | 1.54 | 0.32 | 0.80 | 2.67 | 1.57 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 353 | 3.500 | 28.65 | 0.00 | 1.00 | 0.00 | 3.34 | 10.01 | 0.00 | 10.34 | 0.00 | 1.54 | 0.31 | 0.80 | 2.64 | 1.56 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 354 | 3.400 | 28.69 | 0.00 | 1.00 | 0.00 | 3.34 | 9.88 | 0.00 | 10.21 | 0.00 | 1.53 | 0.29 | 0.79 | 2.61 | 1.56 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 355 | 3.300 | 28.73 | 0.00 | 1.00 | 0.00 | 3.34 | 9.75 | 0.00 | 10.08 | 0.00 | 1.52 | 0.28 | 0.78 | 2.58 | 1.55 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 356 | 3.200 | 28.77 | 0.00 | 1.00 | 0.00 | 3.34 | 9.63 | 0.00 | 9.96 | 0.00 | 1.52 | 0.27 | 0.77 | 2.56 | 1.54 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 357 | 3.100 | 28.81 | 0.00 | 1.00 | 0.00 | 3.34 | 9.52 | 0.00 | 9.84 | 0.00 | 1.51 | 0.26 | 0.76 | 2.53 | 1.54 | 2.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 358 | 3.000 | 28.84 | 0.00 | 1.00 | 0.00 | 3.14 | 17.80 | 0.00 | 18.12 | 0.00 | 1.96 | 1.65 | 1.06 | 4.66 | 1.98 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 359 | 2.900 | 28.88 | 0.00 | 1.00 | 0.00 | 3.01 | 17.57 | 0.00 | 17.89 | 0.00 | 1.95 | 1.58 | 1.09 | 4.63 | 1.98 | 4.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 360 | 2.800 | 28.92 | 0.00 | 1.00 | 0.00 | 2.92 | 17.34 | 0.00 | 17.66 | 0.00 | 1.94 | 1.52 | 1.13 | 4.59 | 1.97 | 4.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 361 | 2.700 | 28.96 | 0.00 | 1.00 | 0.00 | 2.86 | 17.12 | 0.00 | 17.43 | 0.00 | 1.94 | 1.45 | 1.16 | 4.55 | 1.96 | 4.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 362 | 2.600 | 29.00 | 0.00 | 1.00 | 0.00 | 2.82 | 16.90 | 0.00 | 17.21 | 0.00 | 1.93 | 1.39 | 1.18 | 4.51 | 1.95 | 4.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 363 | 2.500 | 29.04 | 0.00 | 1.00 | 0.00 | 2.79 | 16.68 | 0.00 | 16.99 | 0.00 | 1.92 | 1.34 | 1.21 | 4.47 | 1.95 | 4.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 364 | 2.400 | 29.08 | 0.00 | 1.00 | 0.00 | 2.78 | 16.46 | 0.00 | 16.77 | 0.00 | 1.91 | 1.28 | 1.23 | 4.43 | 1.94 | 4.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 365 | 2.300 | 29.11 | 0.00 | 1.00 | 0.00 | 2.77 | 16.25 | 0.00 | 16.55 | 0.00 | 1.91 | 1.23 | 1.25 | 4.39 | 1.93 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |
| 366 | 2.200 | 29.15 | 0.00 | 1.00 | 0.00 | 2.77 | 16.04 | 0.00 | 16.34 | 0.00 | 1.90 | 1.18 | 1.27 | 4.35 | 1.92 | 4.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |
| 367 | 2.100 | 29.19 | 0.00 | 1.00 | 0.00 | 2.78 | 15.84 | 0.00 | 16.13 | 0.00 | 1.89 | 1.13 | 1.28 | 4.31 | 1.92 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 368 | 2.000 | 29.23 | 0.00 | 1.00 | 0.00 | 2.78 | 15.63 | 0.00 | 15.93 | 0.00 | 1.89 | 1.09 | 1.30 | 4.27 | 1.91 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |
| 369 | 1.900 | 29.27 | 0.00 | 1.00 | 0.00 | 2.79 | 15.43 | 0.00 | 15.72 | 0.00 | 1.88 | 1.05 | 1.31 | 4.23 | 1.90 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 370 | 1.800 | 29.31 | 0.00 | 1.00 | 0.00 | 2.80 | 15.24 | 0.00 | 15.52 | 0.00 | 1.87 | 1.00 | 1.32 | 4.20 | 1.90 | 4.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 371 | 1.700 | 29.34 | 0.00 | 1.00 | 0.00 | 2.82 | 15.04 | 0.00 | 15.33 | 0.00 | 1.87 | 0.96 | 1.33 | 4.16 | 1.89 | 4.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 372 | 1.600 | 29.38 | 0.00 | 1.00 | 0.00 | 2.83 | 14.85 | 0.00 | 15.14 | 0.00 | 1.86 | 0.93 | 1.33 | 4.12 | 1.88 | 4.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 373 | 1.500 | 29.42 | 0.00 | 1.00 | 0.00 | 2.84 | 14.67 | 0.00 | 14.95 | 0.00 | 1.85 | 0.89 | 1.34 | 4.08 | 1.88 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 374 | 1.400 | 29.46 | 0.00 | 1.00 | 0.00 | 2.85 | 14.48 | 0.00 | 14.76 | 0.00 | 1.85 | 0.86 | 1.34 | 4.05 | 1.87 | 4.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 375 | 1.300 | 29.50 | 0.00 | 1.00 | 0.00 | 2.87 | 14.30 | 0.00 | 14.58 | 0.00 | 1.84 | 0.82 | 1.34 | 4.01 | 1.86 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 376 | 1.200 | 29.54 | 0.00 | 1.00 | 0.00 | 2.88 | 14.12 | 0.00 | 14.39 | 0.00 | 1.84 | 0.79 | 1.35 | 3.97 | 1.86 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 377 | 1.100 | 29.58 | 0.00 | 1.00 | 0.00 | 2.89 | 13.95 | 0.00 | 14.22 | 0.00 | 1.83 | 0.76 | 1.35 | 3.94 | 1.85 | 3.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 378 | 1.000 | 29.61 | 0.00 | 1.00 | 0.00 | 2.90 | 13.77 | 0.00 | 14.04 | 0.00 | 1.82 | 0.73 | 1.35 | 3.90 | 1.85 | 3.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 379 | 0.900 | 29.65 | 0.00 | 1.00 | 0.00 | 2.91 | 13.61 | 0.00 | 13.87 | 0.00 | 1.82 | 0.71 | 1.34 | 3.87 | 1.84 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 380 | 0.800 | 29.69 | 0.00 | 1.00 | 0.00 | 2.92 | 13.44 | 0.00 | 13.70 | 0.00 | 1.81 | 0.68 | 1.34 | 3.83 | 1.83 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 381 | 0.700 | 29.73 | 0.00 | 1.00 | 0.00 | 2.93 | 13.28 | 0.00 | 13.54 | 0.00 | 1.81 | 0.65 | 1.34 | 3.80 | 1.83 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 382 | 0.600 | 29.77 | 0.00 | 1.00 | 0.00 | 2.94 | 13.12 | 0.00 | 13.37 | 0.00 | 1.80 | 0.63 | 1.33 | 3.76 | 1.82 | 3.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 383 | 0.500 | 29.81 | 0.00 | 1.00 | 0.00 | 2.95 | 12.96 | 0.00 | 13.21 | 0.00 | 1.80 | 0.61 | 1.33 | 3.73 | 1.82 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 384 | 0.400 | 29.85 | 0.00 | 1.00 | 0.00 | 2.96 | 12.80 | 0.00 | 13.05 | 0.00 | 1.79 | 0.58 | 1.32 | 3.70 | 1.81 | 3.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 385 | 0.300 | 29.88 | 0.00 | 1.00 | 0.00 | 2.97 | 12.65 | 0.00 | 12.90 | 0.00 | 1.79 | 0.56 | 1.32 | 3.66 | 1.80 | 3.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 386 | 0.200 | 29.92 | 0.00 | 1.00 | 0.00 | 2.97 | 12.50 | 0.00 | 12.75 | 0.00 | 1.78 | 0.54 | 1.31 | 3.63 | 1.80 | 3.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 387 | 0.100 | 29.96 | 0.00 | 1.00 | 0.00 | 2.98 | 12.36 | 0.00 | 12.60 | 0.00 | 1.77 | 0.52 | 1.30 | 3.60 | 1.79 | 3.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 388 | 0.000 | 30.00 | 0.00 | 1.00 | 0.00 | 2.99 | 12.21 | 0.00 | 12.45 | 0.00 | 1.77 | 0.50 | 1.30 | 3.57 | 1.79 | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 281 | 10.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 282 | 10.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 283 | 10.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 284 | 10.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 285 | 10.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 286 | 10.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 287 | 10.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 288 | 10.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 289 | 9.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 290 | 9.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 291 | 9.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 292 | 9.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 293 | 9.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 294 | 9.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 295 | 9.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 296 | 9.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 297 | 9.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 298 | 9.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 299 | 8.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 300 | 8.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 301 | 8.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 302 | 8.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 303 | 8.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 304 | 8.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 305 | 8.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 306 | 8.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 307 | 8.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 308 | 8.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 309 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 310 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 311 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 312 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 313 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 314 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 315 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 316 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 317 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 318 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 319 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 320 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 321 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 322 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 323 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 324 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 325 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 326 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 327 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 328 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 329 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 330 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 331 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 332 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 333 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 334 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 335 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 336 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 337 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 338 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 339 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 340 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 341 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 342 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 343 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 344 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 345 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 346 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 347 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 348 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 349 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 350 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 351 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 352 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 353 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 354 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 355 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 356 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 357 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 358 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 359 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 360 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 361 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 362 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 363 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 364 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 365 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 366 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 367 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 368 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 369 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 370 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 371 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 372 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 373 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 374 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 375 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 376 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 377 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 378 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 379 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 380 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 381 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 382 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 383 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 384 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 385 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 386 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 387 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 388 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Arnold's Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 7 Arnold Creek Baseline Simulation

********** REACH INPUTS **********

| ELEM | TYPE | FLOW | TEMP | SALN | CM-1 | CM-2 | DO | BOD1 | BOD2 | EBOD1 | EBOD2 | ORG-N | NH3-N | NO3-N | PO4-P | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | | | deg C | ppt | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | #/100mL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | HDWTR | 0.00283 | 29.80 | 0.00 | 0.00 | 0.00 | 6.85 | 23.65 | 0.00 | 26.00 | 0.00 | 1.13 | 0.54 | 0.18 | 0.00 | 22.00 | 0.00 | 0.00 |
| 499 | WSTLD | 0.00017 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | WSTLD | 0.00002 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | WSTLD | 0.00042 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.40 | 7.30 | 0.00283 | 0.0 | 0.00171 | 0.68 | 0.68 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 488 | 7.30 | 7.20 | 0.00283 | 0.0 | 0.00171 | 0.68 | 1.35 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 489 | 7.20 | 7.10 | 0.00283 | 0.0 | 0.00171 | 0.68 | 2.03 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 490 | 7.10 | 7.00 | 0.00283 | 0.0 | 0.00171 | 0.68 | 2.70 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 491 | 7.00 | 6.90 | 0.00283 | 0.0 | 0.00171 | 0.68 | 3.38 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 492 | 6.90 | 6.80 | 0.00283 | 0.0 | 0.00171 | 0.68 | 4.06 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 493 | 6.80 | 6.70 | 0.00283 | 0.0 | 0.00171 | 0.68 | 4.73 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 494 | 6.70 | 6.60 | 0.00283 | 0.0 | 0.00171 | 0.68 | 5.41 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 495 | 6.60 | 6.50 | 0.00283 | 0.0 | 0.00171 | 0.68 | 6.08 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 496 | 6.50 | 6.40 | 0.00283 | 0.0 | 0.00171 | 0.68 | 6.76 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 497 | 6.40 | 6.30 | 0.00283 | 0.0 | 0.00171 | 0.68 | 7.44 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 498 | 6.30 | 6.20 | 0.00283 | 0.0 | 0.00171 | 0.68 | 8.11 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 499 | 6.20 | 6.10 | 0.00300 | 5.7 | 0.00180 | 0.64 | 8.75 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 500 | 6.10 | 6.00 | 0.00300 | 5.7 | 0.00180 | 0.64 | 9.40 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 501 | 6.00 | 5.90 | 0.00300 | 5.7 | 0.00180 | 0.64 | 10.04 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 502 | 5.90 | 5.80 | 0.00300 | 5.7 | 0.00180 | 0.64 | 10.68 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 503 | 5.80 | 5.70 | 0.00300 | 5.7 | 0.00180 | 0.64 | 11.32 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 504 | 5.70 | 5.60 | 0.00300 | 5.7 | 0.00180 | 0.64 | 11.97 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 505 | 5.60 | 5.50 | 0.00300 | 5.7 | 0.00180 | 0.64 | 12.61 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 506 | 5.50 | 5.40 | 0.00300 | 5.7 | 0.00180 | 0.64 | 13.25 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 507 | 5.40 | 5.30 | 0.00300 | 5.7 | 0.00180 | 0.64 | 13.89 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 508 | 5.30 | 5.20 | 0.00300 | 5.7 | 0.00180 | 0.64 | 14.54 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 509 | 5.20 | 5.10 | 0.00300 | 5.7 | 0.00180 | 0.64 | 15.18 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 510 | 5.10 | 5.00 | 0.00300 | 5.7 | 0.00180 | 0.64 | 15.82 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 511 | 5.00 | 4.90 | 0.00300 | 5.7 | 0.00180 | 0.64 | 16.46 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 512 | 4.90 | 4.80 | 0.00300 | 5.7 | 0.00180 | 0.64 | 17.11 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 513 | 4.80 | 4.70 | 0.00300 | 5.7 | 0.00180 | 0.64 | 17.75 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 514 | 4.70 | 4.60 | 0.00300 | 5.7 | 0.00180 | 0.64 | 18.39 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 515 | 4.60 | 4.50 | 0.00300 | 5.7 | 0.00180 | 0.64 | 19.03 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 516 | 4.50 | 4.40 | 0.00300 | 5.7 | 0.00180 | 0.64 | 19.68 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 517 | 4.40 | 4.30 | 0.00300 | 5.7 | 0.00180 | 0.64 | 20.32 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 518 | 4.30 | 4.20 | 0.00300 | 5.7 | 0.00180 | 0.64 | 20.96 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 519 | 4.20 | 4.10 | 0.00300 | 5.7 | 0.00180 | 0.64 | 21.60 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 520 | 4.10 | 4.00 | 0.00300 | 5.7 | 0.00180 | 0.64 | 22.25 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 521 | 4.00 | 3.90 | 0.00300 | 5.7 | 0.00180 | 0.64 | 22.89 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 522 | 3.90 | 3.80 | 0.00300 | 5.7 | 0.00180 | 0.64 | 23.53 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 523 | 3.80 | 3.70 | 0.00300 | 5.7 | 0.00180 | 0.64 | 24.17 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 524 | 3.70 | 3.60 | 0.00300 | 5.7 | 0.00180 | 0.64 | 24.81 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 525 | 3.60 | 3.50 | 0.00300 | 5.7 | 0.00180 | 0.64 | 25.46 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 526 | 3.50 | 3.40 | 0.00300 | 5.7 | 0.00180 | 0.64 | 26.10 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 527 | 3.40 | 3.30 | 0.00300 | 5.7 | 0.00180 | 0.64 | 26.74 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 528 | 3.30 | 3.20 | 0.00300 | 5.7 | 0.00180 | 0.64 | 27.38 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 529 | 3.20 | 3.10 | 0.00300 | 5.7 | 0.00180 | 0.64 | 28.03 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 530 | 3.10 | 3.00 | 0.00300 | 5.7 | 0.00180 | 0.64 | 28.67 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 531 | 3.00 | 2.90 | 0.00300 | 5.7 | 0.00180 | 0.64 | 29.31 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 532 | 2.90 | 2.80 | 0.00300 | 5.7 | 0.00180 | 0.64 | 29.95 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 533 | 2.80 | 2.70 | 0.00300 | 5.7 | 0.00180 | 0.64 | 30.60 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 534 | 2.70 | 2.60 | 0.00302 | 6.3 | 0.00181 | 0.64 | 31.24 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 535 | 2.60 | 2.50 | 0.00302 | 6.3 | 0.00181 | 0.64 | 31.87 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 536 | 2.50 | 2.40 | 0.00302 | 6.3 | 0.00181 | 0.64 | 32.51 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 537 | 2.40 | 2.30 | 0.00302 | 6.3 | 0.00181 | 0.64 | 33.15 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 538 | 2.30 | 2.20 | 0.00302 | 6.3 | 0.00181 | 0.64 | 33.79 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 539 | 2.20 | 2.10 | 0.00302 | 6.3 | 0.00181 | 0.64 | 34.43 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 540 | 2.10 | 2.00 | 0.00302 | 6.3 | 0.00181 | 0.64 | 35.07 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 541 | 2.00 | 1.90 | 0.00302 | 6.3 | 0.00181 | 0.64 | 35.71 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 542 | 1.90 | 1.80 | 0.00302 | 6.3 | 0.00181 | 0.64 | 36.35 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 543 | 1.80 | 1.70 | 0.00302 | 6.3 | 0.00181 | 0.64 | 36.98 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 544 | 1.70 | 1.60 | 0.00302 | 6.3 | 0.00181 | 0.64 | 37.62 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 545 | 1.60 | 1.50 | 0.00302 | 6.3 | 0.00181 | 0.64 | 38.26 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 546 | 1.50 | 1.40 | 0.00344 | 17.7 | 0.00203 | 0.57 | 38.83 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 547 | 1.40 | 1.30 | 0.00344 | 17.7 | 0.00203 | 0.57 | 39.40 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 548 | 1.30 | 1.20 | 0.00344 | 17.7 | 0.00203 | 0.57 | 39.97 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 549 | 1.20 | 1.10 | 0.00344 | 17.7 | 0.00203 | 0.57 | 40.54 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 550 | 1.10 | 1.00 | 0.00344 | 17.7 | 0.00203 | 0.57 | 41.11 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 551 | 1.00 | 0.90 | 0.00344 | 17.7 | 0.00203 | 0.57 | 41.68 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 552 | 0.90 | 0.80 | 0.00344 | 17.7 | 0.00203 | 0.57 | 42.25 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 553 | 0.80 | 0.70 | 0.00344 | 17.7 | 0.00203 | 0.57 | 42.82 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 554 | 0.70 | 0.60 | 0.00344 | 17.7 | 0.00203 | 0.57 | 43.39 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 555 | 0.60 | 0.50 | 0.00344 | 17.7 | 0.00203 | 0.57 | 43.96 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 556 | 0.50 | 0.40 | 0.00344 | 17.7 | 0.00203 | 0.57 | 44.53 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 557 | 0.40 | 0.30 | 0.00344 | 17.7 | 0.00203 | 0.57 | 45.10 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 558 | 0.30 | 0.20 | 0.00344 | 17.7 | 0.00203 | 0.57 | 45.67 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 559 | 0.20 | 0.10 | 0.00344 | 17.7 | 0.00203 | 0.57 | 46.24 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 560 | 0.10 | 0.00 | 0.00344 | 17.7 | 0.00203 | 0.57 | 46.81 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| TOT | | | | | | 46.81 | | | | 12353.25 | 38332.00 | | | | | |
| AVG | | | | | 0.0018 | | | 0.32 | 5.18 | | | 1.67 | | | | |

*************************************************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS ***************************************************************************

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 7.200 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 7.100 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 7.000 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 6.900 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 6.800 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 6.700 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 6.600 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 6.500 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 6.400 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 6.300 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 6.200 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 6.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 6.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 5.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 5.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 5.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 5.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 5.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 5.400 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 5.300 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 5.200 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 5.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 5.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 4.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 4.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 4.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 4.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 4.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 4.400 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 4.300 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 518 | 4.200 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 4.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 4.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 3.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 3.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 3.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 3.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 3.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 3.400 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 3.300 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 3.200 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 3.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 530 | 3.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 2.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 532 | 2.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 533 | 2.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | 2.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 535 | 2.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 536 | 2.400 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 537 | 2.300 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 538 | 2.200 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 539 | 2.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 540 | 2.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 541 | 1.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 542 | 1.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 543 | 1.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 544 | 1.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 545 | 1.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | 1.400 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 547 | 1.300 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 548 | 1.200 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 549 | 1.100 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 550 | 1.000 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 551 | 0.900 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 552 | 0.800 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 553 | 0.700 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 554 | 0.600 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 555 | 0.500 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 556 | 0.400 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 557 | 0.300 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 558 | 0.200 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 559 | 0.100 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 560 | 0.000 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 1.20 | 1.20 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.17 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 33.90 | 0.00 | 1.00 | 0.00 | 6.10 | 22.07 | 0.00 | 24.42 | 0.00 | 0.93 | 0.40 | 0.23 | 1.56 | 1.12 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 488 | 7.200 | 33.90 | 0.00 | 1.00 | 0.00 | 5.91 | 20.59 | 0.00 | 22.94 | 0.00 | 0.93 | 0.30 | 0.24 | 1.46 | 1.11 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 489 | 7.100 | 33.90 | 0.00 | 1.00 | 0.00 | 5.91 | 19.20 | 0.00 | 21.55 | 0.00 | 0.92 | 0.22 | 0.22 | 1.36 | 1.11 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 490 | 7.000 | 33.90 | 0.00 | 1.00 | 0.00 | 5.95 | 17.92 | 0.00 | 20.27 | 0.00 | 0.91 | 0.17 | 0.19 | 1.27 | 1.10 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 491 | 6.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.01 | 16.73 | 0.00 | 19.08 | 0.00 | 0.90 | 0.13 | 0.15 | 1.18 | 1.09 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 492 | 6.800 | 33.90 | 0.00 | 1.00 | 0.00 | 6.06 | 15.63 | 0.00 | 17.98 | 0.00 | 0.89 | 0.10 | 0.10 | 1.10 | 1.08 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 493 | 6.700 | 33.90 | 0.00 | 1.00 | 0.00 | 6.10 | 14.62 | 0.00 | 16.97 | 0.00 | 0.89 | 0.08 | 0.05 | 1.02 | 1.07 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 494 | 6.600 | 33.90 | 0.00 | 1.00 | 0.00 | 6.13 | 13.69 | 0.00 | 16.04 | 0.00 | 0.88 | 0.06 | 0.01 | 0.95 | 1.07 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 495 | 6.500 | 33.90 | 0.00 | 1.00 | 0.00 | 6.16 | 12.82 | 0.00 | 15.17 | 0.00 | 0.87 | 0.05 | 0.00 | 0.92 | 1.06 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 496 | 6.400 | 33.90 | 0.00 | 1.00 | 0.00 | 6.19 | 12.00 | 0.00 | 14.35 | 0.00 | 0.86 | 0.04 | 0.00 | 0.91 | 1.05 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 497 | 6.300 | 33.90 | 0.00 | 1.00 | 0.00 | 6.21 | 11.24 | 0.00 | 13.59 | 0.00 | 0.86 | 0.04 | 0.00 | 0.89 | 1.04 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 498 | 6.200 | 33.90 | 0.00 | 1.00 | 0.00 | 6.23 | 10.53 | 0.00 | 12.88 | 0.00 | 0.85 | 0.03 | 0.00 | 0.88 | 1.03 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 499 | 6.100 | 33.90 | 0.00 | 1.00 | 0.00 | 6.13 | 9.33 | 0.00 | 11.68 | 0.00 | 0.79 | 0.03 | 0.00 | 0.82 | 0.98 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 500 | 6.000 | 33.90 | 0.00 | 1.00 | 0.00 | 6.23 | 8.77 | 0.00 | 11.12 | 0.00 | 0.79 | 0.03 | 0.00 | 0.81 | 0.97 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 501 | 5.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.28 | 8.24 | 0.00 | 10.59 | 0.00 | 0.78 | 0.02 | 0.00 | 0.80 | 0.97 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 502 | 5.800 | 33.90 | 0.00 | 1.00 | 0.00 | 6.30 | 7.74 | 0.00 | 10.09 | 0.00 | 0.77 | 0.02 | 0.00 | 0.80 | 0.96 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 503 | 5.700 | 33.90 | 0.00 | 1.00 | 0.00 | 6.31 | 7.27 | 0.00 | 9.62 | 0.00 | 0.77 | 0.02 | 0.00 | 0.79 | 0.95 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 504 | 5.600 | 33.90 | 0.00 | 1.00 | 0.00 | 6.32 | 6.83 | 0.00 | 9.18 | 0.00 | 0.76 | 0.02 | 0.00 | 0.78 | 0.95 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 505 | 5.500 | 33.90 | 0.00 | 1.00 | 0.00 | 6.33 | 6.42 | 0.00 | 8.77 | 0.00 | 0.75 | 0.02 | 0.00 | 0.77 | 0.94 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 506 | 5.400 | 33.90 | 0.00 | 1.00 | 0.00 | 6.34 | 6.03 | 0.00 | 8.38 | 0.00 | 0.75 | 0.02 | 0.00 | 0.77 | 0.93 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 507 | 5.300 | 33.90 | 0.00 | 1.00 | 0.00 | 6.35 | 5.67 | 0.00 | 8.02 | 0.00 | 0.74 | 0.02 | 0.00 | 0.76 | 0.93 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 508 | 5.200 | 33.90 | 0.00 | 1.00 | 0.00 | 6.36 | 5.33 | 0.00 | 7.68 | 0.00 | 0.74 | 0.02 | 0.00 | 0.75 | 0.92 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 509 | 5.100 | 33.90 | 0.00 | 1.00 | 0.00 | 6.37 | 5.00 | 0.00 | 7.35 | 0.00 | 0.73 | 0.02 | 0.00 | 0.75 | 0.92 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 510 | 5.000 | 33.90 | 0.00 | 1.00 | 0.00 | 6.37 | 4.70 | 0.00 | 7.05 | 0.00 | 0.72 | 0.02 | 0.00 | 0.74 | 0.91 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 511 | 4.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.38 | 4.42 | 0.00 | 6.77 | 0.00 | 0.72 | 0.02 | 0.00 | 0.73 | 0.90 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 512 | 4.800 | 33.90 | 0.00 | 1.00 | 0.00 | 6.38 | 4.15 | 0.00 | 6.50 | 0.00 | 0.71 | 0.02 | 0.00 | 0.73 | 0.90 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 513 | 4.700 | 33.90 | 0.00 | 1.00 | 0.00 | 6.39 | 3.90 | 0.00 | 6.25 | 0.00 | 0.70 | 0.02 | 0.00 | 0.72 | 0.89 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 514 | 4.600 | 33.90 | 0.00 | 1.00 | 0.00 | 6.39 | 3.66 | 0.00 | 6.01 | 0.00 | 0.70 | 0.02 | 0.00 | 0.72 | 0.89 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 515 | 4.500 | 33.90 | 0.00 | 1.00 | 0.00 | 6.40 | 3.44 | 0.00 | 5.79 | 0.00 | 0.69 | 0.02 | 0.00 | 0.71 | 0.88 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 516 | 4.400 | 33.90 | 0.00 | 1.00 | 0.00 | 6.40 | 3.24 | 0.00 | 5.58 | 0.00 | 0.69 | 0.02 | 0.00 | 0.70 | 0.87 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 517 | 4.300 | 33.90 | 0.00 | 1.00 | 0.00 | 6.41 | 3.04 | 0.00 | 5.39 | 0.00 | 0.68 | 0.02 | 0.00 | 0.70 | 0.87 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 518 | 4.200 | 33.90 | 0.00 | 1.00 | 0.00 | 6.41 | 2.86 | 0.00 | 5.21 | 0.00 | 0.68 | 0.02 | 0.00 | 0.69 | 0.86 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 519 | 4.100 | 33.90 | 0.00 | 1.00 | 0.00 | 6.42 | 2.68 | 0.00 | 5.03 | 0.00 | 0.67 | 0.02 | 0.00 | 0.69 | 0.86 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 520 | 4.000 | 33.90 | 0.00 | 1.00 | 0.00 | 6.42 | 2.52 | 0.00 | 4.87 | 0.00 | 0.66 | 0.02 | 0.00 | 0.68 | 0.85 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 521 | 3.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.42 | 2.37 | 0.00 | 4.72 | 0.00 | 0.66 | 0.02 | 0.00 | 0.68 | 0.85 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 522 | 3.800 | 33.90 | 0.00 | 1.00 | 0.00 | 6.43 | 2.23 | 0.00 | 4.58 | 0.00 | 0.65 | 0.02 | 0.00 | 0.67 | 0.84 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 523 | 3.700 | 33.90 | 0.00 | 1.00 | 0.00 | 6.43 | 2.09 | 0.00 | 4.44 | 0.00 | 0.65 | 0.02 | 0.00 | 0.66 | 0.83 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 524 | 3.600 | 33.90 | 0.00 | 1.00 | 0.00 | 6.43 | 1.97 | 0.00 | 4.32 | 0.00 | 0.64 | 0.02 | 0.00 | 0.66 | 0.83 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 525 | 3.500 | 33.90 | 0.00 | 1.00 | 0.00 | 6.43 | 1.85 | 0.00 | 4.20 | 0.00 | 0.64 | 0.02 | 0.00 | 0.65 | 0.82 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 526 | 3.400 | 33.90 | 0.00 | 1.00 | 0.00 | 6.44 | 1.74 | 0.00 | 4.08 | 0.00 | 0.63 | 0.02 | 0.00 | 0.65 | 0.82 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 527 | 3.300 | 33.90 | 0.00 | 1.00 | 0.00 | 6.44 | 1.63 | 0.00 | 3.98 | 0.00 | 0.63 | 0.02 | 0.00 | 0.64 | 0.81 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 528 | 3.200 | 33.90 | 0.00 | 1.00 | 0.00 | 6.44 | 1.53 | 0.00 | 3.88 | 0.00 | 0.62 | 0.02 | 0.00 | 0.64 | 0.81 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 529 | 3.100 | 33.90 | 0.00 | 1.00 | 0.00 | 6.44 | 1.44 | 0.00 | 3.79 | 0.00 | 0.62 | 0.02 | 0.00 | 0.63 | 0.80 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 530 | 3.000 | 33.90 | 0.00 | 1.00 | 0.00 | 6.45 | 1.35 | 0.00 | 3.70 | 0.00 | 0.61 | 0.02 | 0.00 | 0.63 | 0.80 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 531 | 2.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.45 | 1.27 | 0.00 | 3.62 | 0.00 | 0.61 | 0.01 | 0.00 | 0.62 | 0.79 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 532 | 2.800 | 33.90 | 0.00 | 1.00 | 0.00 | 6.45 | 1.19 | 0.00 | 3.54 | 0.00 | 0.60 | 0.01 | 0.00 | 0.62 | 0.79 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 533 | 2.700 | 33.90 | 0.00 | 1.00 | 0.00 | 6.45 | 1.12 | 0.00 | 3.47 | 0.00 | 0.60 | 0.01 | 0.00 | 0.61 | 0.78 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 534 | 2.600 | 33.90 | 0.00 | 1.00 | 0.00 | 6.44 | 1.05 | 0.00 | 3.40 | 0.00 | 0.59 | 0.01 | 0.00 | 0.60 | 0.77 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 535 | 2.500 | 33.90 | 0.00 | 1.00 | 0.00 | 6.45 | 0.98 | 0.00 | 3.33 | 0.00 | 0.58 | 0.01 | 0.00 | 0.60 | 0.77 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 536 | 2.400 | 33.90 | 0.00 | 1.00 | 0.00 | 6.45 | 0.93 | 0.00 | 3.28 | 0.00 | 0.58 | 0.01 | 0.00 | 0.59 | 0.76 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 537 | 2.300 | 33.90 | 0.00 | 1.00 | 0.00 | 6.46 | 0.87 | 0.00 | 3.22 | 0.00 | 0.57 | 0.01 | 0.00 | 0.59 | 0.76 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 538 | 2.200 | 33.90 | 0.00 | 1.00 | 0.00 | 6.46 | 0.82 | 0.00 | 3.17 | 0.00 | 0.57 | 0.01 | 0.00 | 0.58 | 0.75 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 539 | 2.100 | 33.90 | 0.00 | 1.00 | 0.00 | 6.46 | 0.77 | 0.00 | 3.12 | 0.00 | 0.56 | 0.01 | 0.00 | 0.58 | 0.75 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 540 | 2.000 | 33.90 | 0.00 | 1.00 | 0.00 | 6.46 | 0.72 | 0.00 | 3.07 | 0.00 | 0.56 | 0.01 | 0.00 | 0.57 | 0.74 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 541 | 1.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.46 | 0.68 | 0.00 | 3.03 | 0.00 | 0.55 | 0.01 | 0.00 | 0.57 | 0.74 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 542 | 1.800 | 33.90 | 0.00 | 1.00 | 0.00 | 6.46 | 0.64 | 0.00 | 2.99 | 0.00 | 0.55 | 0.01 | 0.00 | 0.56 | 0.74 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 543 | 1.700 | 33.90 | 0.00 | 1.00 | 0.00 | 6.46 | 0.60 | 0.00 | 2.95 | 0.00 | 0.54 | 0.01 | 0.00 | 0.56 | 0.73 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 544 | 1.600 | 33.90 | 0.00 | 1.00 | 0.00 | 6.46 | 0.56 | 0.00 | 2.91 | 0.00 | 0.54 | 0.01 | 0.00 | 0.55 | 0.73 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 545 | 1.500 | 33.90 | 0.00 | 1.00 | 0.00 | 6.46 | 0.53 | 0.00 | 2.88 | 0.00 | 0.54 | 0.01 | 0.00 | 0.55 | 0.72 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 546 | 1.400 | 33.90 | 0.00 | 1.00 | 0.00 | 5.67 | 8.40 | 0.00 | 10.75 | 0.00 | 1.07 | 0.95 | 0.03 | 2.05 | 1.26 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 547 | 1.300 | 33.90 | 0.00 | 1.00 | 0.00 | 5.70 | 7.90 | 0.00 | 10.25 | 0.00 | 1.06 | 0.73 | 0.18 | 1.97 | 1.25 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 548 | 1.200 | 33.90 | 0.00 | 1.00 | 0.00 | 5.80 | 7.40 | 0.00 | 9.75 | 0.00 | 1.06 | 0.56 | 0.27 | 1.89 | 1.24 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 549 | 1.100 | 33.90 | 0.00 | 1.00 | 0.00 | 5.91 | 6.91 | 0.00 | 9.26 | 0.00 | 1.05 | 0.43 | 0.31 | 1.79 | 1.24 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 550 | 1.000 | 33.90 | 0.00 | 1.00 | 0.00 | 6.01 | 6.45 | 0.00 | 8.80 | 0.00 | 1.04 | 0.34 | 0.32 | 1.70 | 1.23 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 551 | 0.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.10 | 6.01 | 0.00 | 8.36 | 0.00 | 1.03 | 0.26 | 0.31 | 1.61 | 1.22 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 552 | 0.800 | 33.90 | 0.00 | 1.00 | 0.00 | 6.16 | 5.61 | 0.00 | 7.96 | 0.00 | 1.03 | 0.21 | 0.28 | 1.52 | 1.21 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 553 | 0.700 | 33.90 | 0.00 | 1.00 | 0.00 | 6.22 | 5.23 | 0.00 | 7.58 | 0.00 | 1.02 | 0.16 | 0.25 | 1.43 | 1.20 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 554 | 0.600 | 33.90 | 0.00 | 1.00 | 0.00 | 6.26 | 4.89 | 0.00 | 7.24 | 0.00 | 1.01 | 0.13 | 0.21 | 1.35 | 1.20 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 555 | 0.500 | 33.90 | 0.00 | 1.00 | 0.00 | 6.29 | 4.58 | 0.00 | 6.93 | 0.00 | 1.00 | 0.11 | 0.16 | 1.27 | 1.19 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 556 | 0.400 | 33.90 | 0.00 | 1.00 | 0.00 | 6.32 | 4.30 | 0.00 | 6.65 | 0.00 | 0.99 | 0.09 | 0.12 | 1.20 | 1.18 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 557 | 0.300 | 33.90 | 0.00 | 1.00 | 0.00 | 6.34 | 4.05 | 0.00 | 6.40 | 0.00 | 0.99 | 0.07 | 0.07 | 1.13 | 1.17 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 558 | 0.200 | 33.90 | 0.00 | 1.00 | 0.00 | 6.36 | 3.83 | 0.00 | 6.18 | 0.00 | 0.98 | 0.06 | 0.03 | 1.07 | 1.17 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 559 | 0.100 | 33.90 | 0.00 | 1.00 | 0.00 | 6.37 | 3.62 | 0.00 | 5.97 | 0.00 | 0.97 | 0.05 | 0.00 | 1.02 | 1.16 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 560 | 0.000 | 33.90 | 0.00 | 1.00 | 0.00 | 6.38 | 3.43 | 0.00 | 5.78 | 0.00 | 0.97 | 0.04 | 0.00 | 1.01 | 1.15 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 488 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 489 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 490 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 491 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 492 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 493 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 494 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 495 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 496 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 497 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 498 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 499 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 500 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 501 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 502 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 503 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 504 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 505 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 506 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 507 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 508 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 509 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 510 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 511 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 512 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 513 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 514 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 515 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 516 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 517 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 518 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 519 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 520 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 521 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 522 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 523 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 524 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 525 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 526 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 527 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 528 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 529 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 530 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 531 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 532 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 533 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 534 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 535 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 536 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 537 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 538 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 539 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 540 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 541 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 542 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 543 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 544 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 545 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 546 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 547 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 548 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 549 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 550 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 551 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 552 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 553 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 554 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 555 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 556 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 557 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 558 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 559 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 560 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

REACH SUMMARY REPORT: Pont. Creek

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Pontchatoula (Head to PTS) | 40.60 | 28.40 | 12.20 | 34.77 | 0.00632 | 0.00406 | 0.357 | 2.74 | 0.223 | 0.013 | 1.172 | 8.99 |
| 3 | Pontchatoula (PTS to YWRC) | 28.40 | 24.70 | 3.70 | 0.89 | -0.01976 | 0.04795 | 0.157 | 3.35 | -0.698 | 0.157 | 0.516 | 10.99 |
| 4 | Pontchatoula (YWRC to EPON) | 24.70 | 20.70 | 4.00 | -4.97 | -0.00487 | -0.00931 | 0.386 | 3.08 | -0.172 | -0.031 | 1.266 | 10.11 |
| 6 | Pontchatoula (EPON to Arnold) | 20.70 | 10.90 | 9.80 | 0.32 | 0.51675 | 0.35389 | 0.140 | 3.20 | 18.246 | 1.161 | 0.460 | 10.50 |
| 8 | Pontchatoula (Arnold to YWR) | 10.90 | 6.60 | 4.30 | 0.84 | 0.52774 | 0.05903 | 0.485 | 18.29 | 18.634 | 0.194 | 1.592 | 60.01 |
| 9 | Pontchatoula (YWR to base) | 6.60 | 0.00 | 6.60 | 11.48 | 0.52903 | 0.00666 | 1.533 | 51.82 | 18.680 | 0.022 | 5.030 | 170.02 |

REACH SUMMARY REPORT: Pont. Trib.

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Pontchatoula Trib. | 8.00 | 0.00 | 8.00 | 4.01 | 0.01055 | 0.02310 | 0.150 | 0.91 | 0.373 | 0.076 | 0.491 | 2.99 |

REACH SUMMARY REPORT: East Pont.

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | East Pontchatoula | 10.90 | 0.00 | 10.90 | 20.51 | 0.01740 | 0.00615 | 0.328 | 3.87 | 0.614 | 0.020 | 1.076 | 12.70 |

REACH SUMMARY REPORT: Arnold's Creek

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | Arnold Creek | 7.40 | 0.00 | 7.40 | 46.81 | 0.00344 | 0.00183 | 0.322 | 5.18 | 0.121 | 0.006 | 1.057 | 17.00 |

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

STREAM SUMMARY REPORT: Pont. Creek

```
 TRAVEL TIME       =          43.33 DAYS
 MAXIMUM EFFLUENT  =         153.99 PERCENT

 FLOW              =  -0.01976 TO    0.52903   m³/s
 DISPERSION        =   0.0000  TO   35.0000    m²/s
 VELOCITY          =  -0.03848 TO    1.03346   m/s
 DEPTH             =   0.10    TO    1.53      m
 WIDTH             =   2.74    TO   51.82      m

 BOD DECAY         =    0.05   TO    0.08      per day
 NH3 DECAY         =    0.40   TO    0.55      per day
 SOD               =    0.00   TO    3.34      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    0.55   TO   12.85      per day
 BOD SETTLING      =    0.01   TO    0.12      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   30.00   TO   33.90      deg C
 DISSOLVED OXYGEN  =    4.38   TO    8.06      mg/L
```

STREAM SUMMARY REPORT: Pont. Trib.

```
 TRAVEL TIME       =           4.01 DAYS
 MAXIMUM EFFLUENT  =          73.18 PERCENT

 FLOW              =   0.00283 TO    0.01055   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.02122 TO    0.06688   m/s
 DEPTH             =   0.15    TO    0.17      m
 WIDTH             =   0.91    TO    0.91      m

 BOD DECAY         =    0.05   TO    0.05      per day
 NH3 DECAY         =    0.39   TO    0.40      per day
 SOD               =    0.00   TO    0.00      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    7.91   TO   11.24      per day
 BOD SETTLING      =    0.07   TO    0.09      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   29.80   TO   30.00      deg C
 DISSOLVED OXYGEN  =    6.20   TO    7.49      mg/L
```

STREAM SUMMARY REPORT: East Pont.

```
 TRAVEL TIME       =          20.51 DAYS
 MAXIMUM EFFLUENT  =          31.20 PERCENT

 FLOW              =   0.00292 TO    0.01740   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.00265 TO    0.01257   m/s
 DEPTH             =   0.28    TO    0.36      m
 WIDTH             =   3.87    TO    3.87      m

 BOD DECAY         =    0.04   TO    0.05      per day
 NH3 DECAY         =    0.29   TO    0.40      per day
 SOD               =    3.26   TO    4.24      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
```

```
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    2.68   TO    2.84      per day
 BOD SETTLING      =    0.04   TO    0.04      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   25.84   TO   30.00      deg C
 DISSOLVED OXYGEN  =    2.77   TO    5.23      mg/L

STREAM SUMMARY REPORT: Arnold's Creek

 TRAVEL TIME       =          46.81 DAYS
 MAXIMUM EFFLUENT  =          17.73 PERCENT

 FLOW              =   0.00283 TO    0.00344   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.00171 TO    0.00203   m/s
 DEPTH             =   0.32    TO    0.33      m
 WIDTH             =   5.18    TO    5.18      m

 BOD DECAY         =    0.06   TO    0.06      per day
 NH3 DECAY         =    0.55   TO    0.55      per day
 SOD               =    1.20   TO    1.20      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    2.75   TO    2.82      per day
 BOD SETTLING      =    0.04   TO    0.04      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   33.90   TO   33.90      deg C
 DISSOLVED OXYGEN  =    5.67   TO    6.46      mg/L

 LA-QUAL Model for Ponchatoula Creek Watershed
 Baseline Simulation

INPUT/OUTPUT LOADING SUMMARY
```

| | FLOW m³/s | DO kg/d | BOD1 kg/d | BOD2 kg/d | ORG-N kg/d | NH3-N kg/d | NO3-N kg/d | ORG-P kg/d | PO4-P kg/d | CHL A | PERIP | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HEADWATER FLOW | 0.01132 | 6.70 | 17.93 | 0.00 | 1.77 | 0.27 | 0.09 | 0.00 | 0.00 | 0.00 | | 0.00 |
| INCREMENTAL INFLOW | 0.53820 | 318.53 | 1326.72 | 0.00 | 48.70 | 12.87 | 16.16 | 0.00 | 0.00 | 0.00 | | 0.00 |
| INCREMENTAL OUTFLOW | 0.00000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| WASTELOADS | 0.03331 | 9.14 | 137.44 | 0.00 | 10.95 | 18.59 | 5.58 | 0.00 | 0.00 | 0.00 | | 0.00 |
| WITHDRAWLS | -0.05380 | -34.84 | -58.85 | 0.00 | -10.83 | -3.38 | -3.14 | 0.00 | 0.00 | 0.00 | | 0.00 |
| FLOW THRU LOWER BNDRY | -0.52903 | -309.03 | -1036.41 | 0.00 | -74.25 | -6.69 | -3.72 | 0.00 | 0.00 | 0.00 | | 0.00 |
| DISPERSION THRU LOWER BNDRY | | 214.00 | 711.69 | 0.00 | 33.83 | 8.95 | 6.17 | 0.00 | 0.00 | 0.00 | | 0.00 |
| DISPERSION THRU HDWTR BNDRY | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| NON-POINT INPUT | | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | 0.00 |
| NATURAL REAERATION | | 945.08 | | | | | | | | | | |
| DAM REAERATION | | 0.00 | | | | | | | | | | |
| SOD BACKGROUND | | -990.76 | | | | | | | | | | |
| BOD1 DECAY | | -906.31 | -906.31 | | | | | | | | | |
| BOD1 SETTLING | | 0.00 | -145.50 | | | | | | | | | |
| ANAEROBIC BOD1 DECAY | | | 0.00 | | | | | | | | | |
| BOD2 DECAY | | 0.00 | | 0.00 | | | | | | | | |
| BOD2 SETTLING | | 0.00 | | 0.00 | | | | | | | | |
| ANAEROBIC BOD2 DECAY | | | | 0.00 | | | | | | | | |
| BOD2 HYDROLYSIS | | | 0.00 | 0.00 | | | | | | | | |
| ORG-N DECAY | | 0.00 | | | -10.16 | 10.16 | | | | | | |
| ORG-N SETTLING | | | | | 0.00 | 0.00 | | | | | | |
| NH3-N DECAY (NITRIFICATION) | | -176.54 | | | | -40.77 | 40.77 | | | | | |
| NH3-N BACKGROUND SEDIMENT SOURCE | | | | | | 0.00 | | | | | | |
| DENITRIFICATION | | | -46.68 | | | | -16.34 | | | | | |
| ORG-P HYDROLYSIS | | | | | | | | 0.00 | 0.00 | | | |
| ORG-P SETTLING | | | | | | | | 0.00 | 0.00 | | | |
| PO4-P BACKGROUND SEDIMENT SOURCE | | | | | | | | | 0.00 | | | |
| PHYTOPLANKTON GROWTH/PHOTOSYNTHESIS | | 924.01 | | | | 0.00 | -46.20 | | 0.00 | 0.00 | | |
| PHYTOPLANKTON RESPIRATION/EXCRETION | | 0.00 | | | | 0.00 | | | 0.00 | 0.00 | | |
| PHYTOPLANKTON SETTLING | | 0.00 | | | | 0.00 | | | 0.00 | 0.00 | | |
| PHYTOPLANKTON DEATH | | | 0.00 | 0.00 | 0.00 | | | 0.00 | | 0.00 | | |
| PERIPHYTON GROWTH/PHOTOSYNTHESIS | | 0.00 | | | | 0.00 | 0.00 | | 0.00 | | 0.00 | |
| PERIPHYTON RESPIRATION/EXCRETION | | 0.00 | | | | 0.00 | | | 0.00 | | 0.00 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PERIPHYTON DEATH | | | 0.00 | 0.00 | 0.00 | | | 0.00 | | | 0.00 | |
| NCM DECAY | | 0.00 | | | | | | | | | | 0.00 |
| NCM SETTLING | | 0.00 | | | | | | | | | | 0.00 |
| TOTAL INPUTS | 0.58283 | 2417.45 | 2193.79 | 0.00 | 95.25 | 50.84 | 68.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL OUTPUTS | -0.58283 | -2417.47 | -2193.75 | 0.00 | -95.24 | -50.84 | -69.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NET CONVERGENCE ERROR | 0.00000 | -0.03 | 0.04 | 0.00 | 0.01 | 0.00 | -0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

.....EXECUTION COMPLETED

## Winter baseline LA-QUAL model output

```
LA-QUAL Version 9.05
Louisiana Department of Environmental Quality

Input file is C:\Users\sarah.bradbury\Documents\My files\LA TMDL\Report\040504_040505(Yellow_Ponchatoula)\Ponchatoula_Baseline_Winter.txt
Running in steady-state mode using LA defaults
Output produced at 14:31 on 11/28/2011

$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL Model for Ponchatoula Creek Watershed
TITLE02         Baseline Simulation
CONTROL   YES   METRIC UNITS
ENDATA01

$$$ DATA TYPE 2 (MODEL OPTIONS) $$$

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                        UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                        UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                        UNITS =
ENDATA02

$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         INHIBITION CONTROL VALUE           =         0.00000 (no oxygen dependent rates)
PROGRAM         OCEAN EXCHANGE RATIO               =         0.50000
PROGRAM         TIDE HEIGHT                        =         0.07000 meters
PROGRAM         TIDAL PERIOD                       =        12.00000 hours
PROGRAM         PERIOD OF TIDAL RISE               =         6.00000 hours
ENDATA03

$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA05

$$$ DATA TYPE 6 (PHYTOPLANKTON CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA06

$$$ DATA TYPE 7 (PERIPHYTON CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA07
```

```
$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                                    BEGIN        END    ELEM    REACH    ELEMS   BEGIN    END
CARD TYPE  REACH  ID  NAME                          REACH       REACH   LENGTH   LENGTH   PER RCH  ELEM   ELEM
                                                      km          km      km       km              NUM    NUM

REACH ID      1   P6  Pontchatoula (Head to PTS)    40.60  TO   28.40   0.1000   12.20     122     1    122
REACH ID      2   PT  Pontchatoula Trib.             8.00  TO    0.00   0.1000    8.00      80   123    202
REACH ID      3   P5  Pontchatoula (PTS to YWRC)    28.40  TO   24.70   0.1000    3.70      37   203    239
REACH ID      4   P4  Pontchatoula (YWRC to EPON)   24.70  TO   20.70   0.1000    4.00      40   240    279
REACH ID      5   EP  East Pontchatoula             10.90  TO    0.00   0.1000   10.90     109   280    388
REACH ID      6   P3  Pontchatoula (EPON to Arnold) 20.70  TO   10.90   0.1000    9.80      98   389    486
REACH ID      7   AC  Arnold Creek                   7.40  TO    0.00   0.1000    7.40      74   487    560
REACH ID      8   P2  Pontchatoula (Arnold to YWR)  10.90  TO    6.60   0.1000    4.30      43   561    603
REACH ID      9   P1  Pontchatoula (YWR to base)     6.60  TO    0.00   0.1000    6.60      66   604    669
ENDATA08

$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID       WIDTH       WIDTH       WIDTH       DEPTH       DEPTH       DEPTH      SLOPE    MANNINGS
                            "A"         "B"         "C"         "D"         "E"         "F"                  "N"

HYDR-1        1   P6       0.000       0.000       2.740       0.720       0.128       0.000     0.00070   0.000
HYDR-1        2   PT       0.000       0.000       0.910       0.310       0.128       0.000     0.00100   0.000
HYDR-1        3   P5       0.000       0.000       3.350       0.253       0.128       0.000     0.00080   0.000
HYDR-1        4   P4       0.000       0.000       3.080       0.680       0.128       0.000     0.00080   0.000
HYDR-1        5   EP       0.000       0.000       3.870       0.600       0.128       0.000     0.00080   0.000
HYDR-1        6   P3       0.000       0.000       3.200       0.170       0.128       0.000     0.00050   0.000
HYDR-1        7   AC       0.000       0.000       5.180       0.675       0.128       0.000     0.00090   0.000
HYDR-1        8   P2       0.000       0.000      18.290       0.527       0.128       0.000     0.00070   0.000
HYDR-1        9   P1       0.000       0.000      51.820       1.663       0.128       0.000     0.00050   0.000
ENDATA09

$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID     TIDAL     DISPERSION     DISPERSION     DISPERSION     DISPERSION
                         RANGE        "A"            "B"            "C"            "D"

HYDR          1   P6      0.00        0.000          0.000          0.000          0.000
HYDR          2   PT      0.00        0.000          0.000          0.000          0.000
HYDR          3   P5      0.00        0.000          0.000          0.000          0.000
HYDR          4   P4      0.00        0.000          0.000          0.000          0.000
HYDR          5   EP      0.00        0.000          0.000          0.000          0.000
HYDR          6   P3      0.00        0.000          0.000          0.000          0.000
HYDR          7   AC      0.00        0.000          0.000          0.000          0.000
HYDR          8   P2      0.50       25.000          0.200          0.300          1.200
HYDR          9   P1      1.00       35.000          0.200          0.300          1.200
ENDATA10

$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$

CARD TYPE      REACH  ID     TEMP    SALIN       DO    NH3-N    NO3-N    PO4-P    CHL A    PERIP     BOD1     BOD2    ORG-N    ORG-P     COLI      NCM     CM-1     CM-2
                            deg C     ppt     mg/L     mg/L     mg/L     mg/L      µg/L     g/m²     mg/L     mg/L     mg/L     mg/L  #/100mL

INITIAL           1   P6    20.00     0.00     7.40     0.30     0.00     0.00     1.50     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL           2   PT    20.00     0.00     6.87     0.15     0.00     0.00     6.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL           3   P5    20.00     0.00     7.40     0.30     0.00     0.00     1.50     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL           4   P4    20.00     0.00     7.80     0.10     0.00     0.00    42.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL           5   EP    20.00     0.00     3.30     0.11     0.00     0.00     5.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL           6   P3    20.00     0.00     6.46     0.17     0.00     0.00     2.25     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL           7   AC    20.00     0.00     5.10     0.54     0.00     0.00    22.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL           8   P2    20.00     0.00     5.10     0.54     0.00     0.00    22.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL           9   P1    20.00     0.00     5.30     0.15     0.00     0.00    19.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
ENDATA11

$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                                    AEROB                SETTLD    ANAER    AEROB                        ANAER     BOD2
CARD      RCH  RCH  K2                    K2       K2       K2    BKGRND     BOD     BOD     SOD      BOD     BOD2     BOD2              BOD2   HYDR TO
TYPE      NUM   ID  OPT                  "A"      "B"      "C"       SOD   DECAY    SETT    AVAIL    DECAY    DECAY     SETT             DECAY     BOD1
                                                                   g/m²/d per day     m/d     frac  per day  per day     m/d          per day  per day

COEFF-1     1   P6  15 LOUISIANA        0.000    0.000    0.000    0.000   0.030   0.010    0.000    0.000    0.000    0.000            0.000    0.000
COEFF-1     2   PT  15 LOUISIANA        0.000    0.000    0.000    0.000   0.030   0.010    0.000    0.000    0.000    0.000            0.000    0.000
COEFF-1     3   P5  15 LOUISIANA        0.000    0.000    0.000    0.000   0.030   0.010    0.000    0.000    0.000    0.000            0.000    0.000
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COEFF-1    4   P4  15 LOUISIANA        0.000     0.000     0.000     0.000     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    5   EP  15 LOUISIANA        0.000     0.000     0.000     2.260     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    6   P3  15 LOUISIANA        0.000     0.000     0.000     0.300     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    7   AC  15 LOUISIANA        0.000     0.000     0.000     0.500     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    8   P2   2 CHURCHILL        0.000     0.000     0.000     1.400     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    9   P1   2 CHURCHILL        0.000     0.000     0.000     0.800     0.050     0.010     0.000     0.000     0.000     0.000                0.000     0.000
ENDATA12

$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$
                                          SETTLD              BKGRND    BKGRND                                    SETTLD
CARD TYPE      REACH  ID       ORG-N     ORG-N      ORGN       NH3       NH3       PO4     DENIT      ORGP      ORGP      ORGP
                               DECA      SETT     AVAIL      DECA      SRCE      SRCE      RATE      DECA      SETT     AVAIL
                            per day       m/d      frac   per day    g/m²/d    g/m²/d   per day   per day       m/d      frac

COEFF-2          1   P6       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          2   PT       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          3   P5       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          4   P4       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          5   EP       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          6   P3       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          7   AC       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          8   P2       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          9   P1       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
ENDATA13

$$$ DATA TYPE 14 (ALGAE PHYTOPLANKTON AND PERIPHYTON COEFFICIENTS) $$$
                                                                   MAX                                   MAX
CARD TYPE      REACH  ID      SECCHI    CHL A:     PHYTO     PHYTO     PHYTO     PHYTO     PERIP     PERIP     PERIP      BANK
                              DEPTH     ALGAE      SETT     DEATH      GROW      RESP     DEATH      GROW      RESP   SHADING
                                  m      frac       m/d   per day   per day   per day   per day   per day   per day      frac

ENDATA14

$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$

CARD TYPE      REACH  ID    COLIFORM       NCM       NCM
                            DIE-OFF     DECAY      SETT
                            per day   per day       m/d

ENDATA15

$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE      REACH  ID       OUTFLOW      INFLOW      TEMP     SALIN      CM-1      CM-2   IN/DIST  OUT/DIST
                                  m³/s        m³/s     deg C       ppt

INCR-1           1   P6       0.00000     0.00000     20.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           2   PT       0.00000     0.00000     20.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           3   P5       0.00000     0.01410     20.00      0.00      0.00      0.00   0.00381   0.00000
INCR-1           4   P4       0.00000     0.01410     20.00      0.00      0.00      0.00   0.00353   0.00000
INCR-1           5   EP       0.00000     0.01000     20.00      0.00      0.00      0.00   0.00092   0.00000
INCR-1           6   P3       0.00000     0.50000     20.00      0.00      0.00      0.00   0.05102   0.00000
INCR-1           7   AC       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           8   P2       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           9   P1       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
ENDATA16

$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE      REACH  ID          DO      BOD1     ORG-N     NH3-N     NO3-N      BOD2
                                mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

INCR-2           1   P6        6.85     16.00      1.29      0.29      0.09      0.00
INCR-2           2   PT        6.85     16.00      1.29      0.29      0.09      0.00
INCR-2           3   P5        6.85      8.00      1.85      0.10      0.04      0.00
INCR-2           4   P4        6.85      8.00      1.85      0.10      0.04      0.00
INCR-2           5   EP        6.85     13.00      1.15      0.11      0.09      0.00
INCR-2           6   P3        6.85     30.00      1.00      0.29      0.37      0.00
INCR-2           7   AC        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           8   P2        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           9   P1        0.00      0.00      0.00      0.00      0.00      0.00
ENDATA17

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
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                                          PHYTO
 CARD TYPE      REACH  ID        PO4      CHL A      COLI       NCM      ORGP
                                mg/L      µg/L   #/100mL                 mg/L

ENDATA18

$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$

CARD TYPE      REACH  ID        BOD1     ORG-N      COLI       NCM        DO      BOD2     ORG-P
                                kg/d      kg/d     #/day                 kg/d      kg/d      kg/d

NONPOINT         1   P6        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         2   PT        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         3   P5        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         4   P4        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         5   EP        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         6   P3        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         7   AC        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         8   P2        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         9   P1        0.00      0.00      0.00      0.00      0.00      0.00      0.00
ENDATA19

$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$
                                                                                                  HDW DISP
CARD TYPE     ELEMENT   NAME                  UNIT     FLOW       FLOW    TEMP    SALIN      CM-1      CM-2     EXCHG
                                                      m³/s        cfs   deg C     ppt                          frac

HDWTR-1         1       Pont. Creek             0   0.02830    0.99929   20.00     0.00     0.000     0.000     0.000
HDWTR-1       123       Pont. Trib.             0   0.02830    0.99929   20.00     0.00     0.000     0.000     0.000
HDWTR-1       280       East Pont.              0   0.02830    0.99929   20.00     0.00     0.000     0.000     0.000
HDWTR-1       487       Arnold's Creek          0   0.02830    0.99929   20.00     0.00     0.000     0.000     0.000
ENDATA20

$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE     ELEMENT   NAME                          DO     BOD#1     ORG-N     NH3-N     NO3-N      BOD2
                                                    mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

HDWTR-2         1       Pont. Creek                6.85     16.00      1.29      0.30      0.07      0.00
HDWTR-2       123       Pont. Trib.                6.85     22.00      3.96      0.15      0.02      0.00
HDWTR-2       280       East Pont.                 6.85     13.00      1.15      0.11      0.09      0.00
HDWTR-2       487       Arnold's Creek             6.85     26.00      1.13      0.54      0.18      0.00
ENDATA21

$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                                                PHYTO
CARD TYPE     ELEMENT   NAME                        PO4-P      CHL A      COLI       NCM      ORG-P
                                                     mg/L      µg/L   #/100mL                 mg/L

ENDATA22

$$$ DATA TYPE 23 (JUNCTION DATA) $$$

CARD TYPE   JUNCTION   UPSTRM     RIVER     NAME
             ELEMENT  ELEMENT     KILOM

JUNCTION        203      122      28.40  PTS to Pont. Creek
JUNCTION        389      279      20.70  East Pont to Pont Creek
JUNCTION        561      486      10.90  Arnolds Creek to Pont Creek
ENDATA23

$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE  ELEMENT    RKILO  NAME                     FLOW       FLOW      FLOW    TEMP    SALIN      CM-1      CM-2
                                                      m³/s        cfs       MGD   deg C     ppt

WSTLD-1       21      38.60  LA0122424             0.00004    0.00141     0.001   20.00      0.00     0.000     0.000
WSTLD-1       42      36.50  Grp1-Rch1             0.00120    0.04237     0.027   20.00      0.00     0.000     0.000
WSTLD-1       82      32.50  LAG541777             0.00120    0.04237     0.027   20.00      0.00     0.000     0.000
WSTLD-1       93      31.40  LAG541118             0.00105    0.03708     0.024   20.00      0.00     0.000     0.000
WSTLD-1      193       1.00  LAG570205             0.00386    0.13630     0.088   20.00      0.00     0.000     0.000
WSTLD-1      195       0.80  LAG533605             0.00386    0.13630     0.088   20.00      0.00     0.000     0.000
WSTLD-1      213      27.40  Grp2-Rch3             0.00032    0.01130     0.007   20.00      0.00     0.000     0.000
WSTLD-1      220      26.70  Grp3-Rch3             0.00028    0.00989     0.006   20.00      0.00     0.000     0.000
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WSTLD-1      228      25.90  LAG532004            0.00003    0.00106    0.001   20.00      0.00      0.000      0.000
WSTLD-1      236      25.10  Grp4-Rch3            0.00244    0.08616    0.056   20.00      0.00      0.000      0.000
WSTLD-1      239      24.80  YWRC                -0.05380   -1.89972   -1.228   20.00      0.00      0.000      0.000
WSTLD-1      277      21.00  Grp5-Rch4            0.00079    0.02790    0.018   20.00      0.00      0.000      0.000
WSTLD-1      302       8.70  LAG540869            0.00079    0.02790    0.018   20.00      0.00      0.000      0.000
WSTLD-1      319       7.00  LAG532175            0.00046    0.01624    0.010   20.00      0.00      0.000      0.000
WSTLD-1      333       5.60  Grp6-Rch5            0.00007    0.00247    0.002   20.00      0.00      0.000      0.000
WSTLD-1      340       4.90  Grp7-Rch5            0.00024    0.00847    0.005   20.00      0.00      0.000      0.000
WSTLD-1      358       3.10  Grp8-Rch5            0.00301    0.10629    0.069   20.00      0.00      0.000      0.000
WSTLD-1      393      20.30  LAG541365            0.00039    0.01377    0.009   20.00      0.00      0.000      0.000
WSTLD-1      428      16.80  Grp9-Rch6            0.00183    0.06462    0.042   20.00      0.00      0.000      0.000
WSTLD-1      452      14.40  Grp10-Rch6           0.00183    0.06462    0.042   20.00      0.00      0.000      0.000
WSTLD-1      456      14.00  Grp11-Rch6           0.00017    0.00600    0.004   20.00      0.00      0.000      0.000
WSTLD-1      499       6.20  LAG750157            0.00017    0.00600    0.004   20.00      0.00      0.000      0.000
WSTLD-1      534       2.70  LAG540662            0.00002    0.00071    0.000   20.00      0.00      0.000      0.000
WSTLD-1      546       1.50  LAG531467            0.00042    0.01483    0.010   20.00      0.00      0.000      0.000
WSTLD-1      564      10.60  Grp12-Rch8           0.00001    0.00035    0.000   20.00      0.00      0.000      0.000
WSTLD-1      566      10.40  Grp13-Rch8           0.00342    0.12076    0.078   20.00      0.00      0.000      0.000
WSTLD-1      584       8.60  Grp14-Rch8           0.00129    0.04555    0.029   20.00      0.00      0.000      0.000
WSTLD-1      603       6.70  YWR                  0.00283    0.09993    0.065   20.00      0.00      0.000      0.000
WSTLD-1      613       5.70  LAG531729            0.00129    0.04555    0.029   20.00      0.00      0.000      0.000
ENDATA24

$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                                          % BOD                                  %
CARD TYPE     ELEMENT   NAME                          DO       BOD      RMVL     ORG-N     NH3-N    NITRIF     NO3-N      BOD2
                                                     mg/L      mg/L               mg/L      mg/L                mg/L      mg/L

WSTLD-2          21     LA0122424                   0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2          42     Grp1-Rch1                   2.00     71.50      0.00      5.20     10.36      0.00      2.00      0.00
WSTLD-2          82     LAG541777                   2.00     71.50      0.00      5.20     10.36      0.00      2.00      0.00
WSTLD-2          93     LAG541118                   2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         193     LAG570205                   5.00     22.00      0.00      4.00      0.15      0.00      0.00      0.00
WSTLD-2         195     LAG533605                   5.00     23.00      0.00      1.70      3.33      0.00      2.00      0.00
WSTLD-2         213     Grp2-Rch3                   2.00     74.80      0.00      5.40     10.83      0.00      2.00      0.00
WSTLD-2         220     Grp3-Rch3                   2.00     89.00      0.00      6.40     12.89      0.00      2.00      0.00
WSTLD-2         228     LAG532004                   2.00    103.50      0.00      7.50     15.00      0.00      2.00      0.00
WSTLD-2         236     Grp4-Rch3                   4.30     53.70      0.00      3.90      7.78      0.00      2.00      0.00
WSTLD-2         239     YWRC                        4.30     34.50      0.00      2.50      5.00      0.00      2.00      0.00
WSTLD-2         277     Grp5-Rch4                   2.30     66.90      0.00      4.90      9.70      0.00      2.00      0.00
WSTLD-2         302     LAG540869                   2.30     66.90      0.00      4.90      9.70      0.00      2.00      0.00
WSTLD-2         319     LAG532175                   2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         333     Grp6-Rch5                   2.00    103.50      0.00      7.50     15.00      0.00      2.00      0.00
WSTLD-2         340     Grp7-Rch5                   2.00     72.00      0.00      5.20     10.44      0.00      2.00      0.00
WSTLD-2         358     Grp8-Rch5                   3.20     50.70      0.00      3.70      7.34      0.00      2.00      0.00
WSTLD-2         393     LAG541365                   2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         428     Grp9-Rch6                   3.00     53.50      0.00      3.90      7.75      0.00      2.00      0.00
WSTLD-2         452     Grp10-Rch6                  3.00     53.50      0.00      3.90      7.75      0.00      2.00      0.00
WSTLD-2         456     Grp11-Rch6                  0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         499     LAG750157                   0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         534     LAG540662                   0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         546     LAG531467                   2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         564     Grp12-Rch8                  0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         566     Grp13-Rch8                  3.00     61.40      0.00      4.50      8.90      0.00      2.00      0.00
WSTLD-2         584     Grp14-Rch8                  2.00     70.80      0.00      5.10     10.27      0.00      2.00      0.00
WSTLD-2         603     YWR                         2.00     11.00      0.00      1.40      0.32      0.00      4.00      0.00
WSTLD-2         613     LAG531729                   2.00     70.80      0.00      5.10     10.27      0.00      2.00      0.00
ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, PHYTOPLANTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                                          PHYTO
CARD TYPE     ELEMENT   NAME                       PO4-P    CHL A      COLI       NCM     ORG-P
                                                    mg/L     µg/L   #/100mL                mg/L

ENDATA26

$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$

CARD TYPE    CONSTITUENT                     CONCENTRATION

LOWER BC     TEMPERATURE                        20.000     deg C
LOWER BC     DISSOLVED OXYGEN                    6.850     mg/L
LOWER BC     BOD1 BIOCHEMICAL OXYGEN DEMAND     25.000     mg/L
LOWER BC     ORGANIC NITROGEN                    1.800     mg/L
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LOWER BC     AMMONIA NITROGEN                          0.150     mg/L
LOWER BC     NITRATE NITROGEN                          0.084     mg/L
LOWER BC     CHLOROPHYLL A                            19.000     µg/L
ENDATA27

$$$ DATA TYPE 28 (DAM DATA) $$$

CARD TYPE     ELEMENT   NAME                  EQN      "A"       "B"       "H"

ENDATA28

$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$

CARD TYPE       PARAMETER     COL 1     COL 2     COL 3     COL 4     COL 5     COL 6     COL 7     COL 8

ENDATA29

$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$

NUMBER OF PLOTS =  4
NUMBER OF REACHES IN PLOT 1 =   6
PLOT RCH  1  3  4  6  8  9
NUMBER OF REACHES IN PLOT 2 =   1
PLOT RCH  2
NUMBER OF REACHES IN PLOT 3 =   1
PLOT RCH  5
NUMBER OF REACHES IN PLOT 4 =   1
PLOT RCH  7
ENDATA30

$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$

OVERLAY 1 Pont.ovl                        :Pontchatoula Creek
OVERLAY 2 Pont_trib.ovl                   :Pontchatoula Trib.
OVERLAY 3 Epont.ovl                       :East Pontchatoula
OVERLAY 4 Arn.ovl                         :Arnold's Creek
ENDATA31

     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....CONSTITUENT CALCULATIONS COMPLETED
     .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
     .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
     .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
     .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14

INTERMEDIATE REPORT
 Dissolved Oxygen                                          LA-QUAL Model for Ponchatoula Creek Watershed
     mg/L                                                  Baseline Simulation
```

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 7.04 | 7.22 | 7.38 | 7.52 | 7.65 | 7.76 | 7.87 | 7.96 | 8.05 | 8.12 |
| P6 | 1 | 11 | 8.19 | 8.25 | 8.31 | 8.36 | 8.41 | 8.45 | 8.48 | 8.52 | 8.55 | 8.58 |
| P6 | 1 | 21 | 8.59 | 8.61 | 8.63 | 8.65 | 8.67 | 8.69 | 8.70 | 8.72 | 8.73 | 8.74 |
| P6 | 1 | 31 | 8.75 | 8.76 | 8.77 | 8.77 | 8.78 | 8.79 | 8.79 | 8.80 | 8.80 | 8.81 |
| P6 | 1 | 41 | 8.81 | 8.55 | 8.56 | 8.57 | 8.58 | 8.59 | 8.60 | 8.61 | 8.62 | 8.62 |
| P6 | 1 | 51 | 8.63 | 8.64 | 8.64 | 8.65 | 8.65 | 8.66 | 8.66 | 8.67 | 8.67 | 8.68 |
| P6 | 1 | 61 | 8.68 | 8.68 | 8.69 | 8.69 | 8.69 | 8.70 | 8.70 | 8.70 | 8.71 | 8.71 |
| P6 | 1 | 71 | 8.71 | 8.71 | 8.72 | 8.72 | 8.72 | 8.72 | 8.73 | 8.73 | 8.73 | 8.73 |
| P6 | 1 | 81 | 8.73 | 8.48 | 8.49 | 8.50 | 8.51 | 8.52 | 8.53 | 8.54 | 8.54 | 8.55 |
| P6 | 1 | 91 | 8.56 | 8.56 | 8.36 | 8.37 | 8.39 | 8.40 | 8.41 | 8.42 | 8.43 | 8.44 |
| P6 | 1 | 101 | 8.44 | 8.45 | 8.46 | 8.47 | 8.47 | 8.48 | 8.48 | 8.49 | 8.50 | 8.50 |
| P6 | 1 | 111 | 8.51 | 8.51 | 8.52 | 8.52 | 8.53 | 8.53 | 8.53 | 8.54 | 8.54 | 8.55 |
| P6 | 1 | 121 | 8.55 | 8.55 | | | | | | | | |
| P5 | 3 | 203 | 8.56 | 8.59 | 8.62 | 8.65 | 8.67 | 8.70 | 8.72 | 8.74 | 8.76 | 8.77 |
| P5 | 3 | 213 | 8.76 | 8.78 | 8.79 | 8.81 | 8.82 | 8.84 | 8.85 | 8.84 | 8.85 | 8.86 |
| P5 | 3 | 223 | 8.87 | 8.88 | 8.90 | 8.91 | 8.92 | 8.92 | 8.93 | 8.94 | 8.95 | 8.96 |
| P5 | 3 | 233 | 8.96 | 8.97 | 8.98 | 8.86 | 8.88 | 8.89 | 8.90 | | | |
| P4 | 4 | 240 | 8.94 | 8.97 | 9.00 | 9.02 | 9.04 | 9.05 | 9.06 | 9.07 | 9.08 | 9.08 |
| P4 | 4 | 250 | 9.08 | 9.08 | 9.08 | 9.08 | 9.07 | 9.07 | 9.06 | 9.06 | 9.05 | 9.04 |
| P4 | 4 | 260 | 9.03 | 9.02 | 9.01 | 9.00 | 8.99 | 8.98 | 8.97 | 8.96 | 8.95 | 8.93 |
| P4 | 4 | 270 | 8.92 | 8.91 | 8.89 | 8.88 | 8.87 | 8.86 | 8.84 | 8.72 | 8.71 | 8.70 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 389 | 7.70 | 7.71 | 7.71 | 7.72 | 7.71 | 7.71 | 7.72 | 7.72 | 7.73 | 7.73 |
| P3 | 6 | 399 | 7.74 | 7.74 | 7.75 | 7.75 | 7.75 | 7.76 | 7.76 | 7.76 | 7.77 | 7.77 |
| P3 | 6 | 409 | 7.77 | 7.78 | 7.78 | 7.78 | 7.78 | 7.79 | 7.79 | 7.79 | 7.79 | 7.80 |
| P3 | 6 | 419 | 7.80 | 7.80 | 7.80 | 7.80 | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.79 |
| P3 | 6 | 429 | 7.79 | 7.79 | 7.79 | 7.80 | 7.80 | 7.80 | 7.80 | 7.81 | 7.81 | 7.81 |
| P3 | 6 | 439 | 7.81 | 7.82 | 7.82 | 7.82 | 7.82 | 7.82 | 7.83 | 7.83 | 7.83 | 7.83 |
| P3 | 6 | 449 | 7.83 | 7.83 | 7.84 | 7.82 | 7.82 | 7.82 | 7.82 | 7.82 | 7.82 | 7.83 |
| P3 | 6 | 459 | 7.83 | 7.83 | 7.83 | 7.83 | 7.84 | 7.84 | 7.84 | 7.84 | 7.84 | 7.85 |
| P3 | 6 | 469 | 7.85 | 7.85 | 7.85 | 7.85 | 7.85 | 7.86 | 7.86 | 7.86 | 7.86 | 7.86 |
| P3 | 6 | 479 | 7.86 | 7.86 | 7.87 | 7.87 | 7.87 | 7.87 | 7.87 | 7.84 | | |
| P2 | 8 | 561 | 7.83 | 7.81 | 7.79 | 7.77 | 7.75 | 7.73 | 7.71 | 7.70 | 7.68 | 7.67 |
| P2 | 8 | 571 | 7.66 | 7.64 | 7.63 | 7.62 | 7.60 | 7.59 | 7.58 | 7.57 | 7.55 | 7.54 |
| P2 | 8 | 581 | 7.53 | 7.52 | 7.50 | 7.49 | 7.48 | 7.47 | 7.46 | 7.45 | 7.44 | 7.43 |
| P2 | 8 | 591 | 7.42 | 7.41 | 7.40 | 7.40 | 7.39 | 7.38 | 7.37 | 7.36 | 7.35 | 7.34 |
| P2 | 8 | 601 | 7.33 | 7.31 | 7.30 | | | | | | | |
| P1 | 9 | 604 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 |
| P1 | 9 | 614 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.30 | 7.30 | 7.30 |
| P1 | 9 | 624 | 7.30 | 7.30 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 |
| P1 | 9 | 634 | 7.28 | 7.28 | 7.28 | 7.28 | 7.27 | 7.27 | 7.26 | 7.26 | 7.25 | 7.25 |
| P1 | 9 | 644 | 7.24 | 7.24 | 7.23 | 7.22 | 7.21 | 7.20 | 7.19 | 7.19 | 7.17 | 7.16 |
| P1 | 9 | 654 | 7.15 | 7.14 | 7.13 | 7.11 | 7.10 | 7.08 | 7.07 | 7.05 | 7.03 | 7.01 |
| P1 | 9 | 664 | 6.99 | 6.97 | 6.95 | 6.93 | 6.90 | 6.88 | | | | |
| PT | 2 | 123 | 7.00 | 7.14 | 7.27 | 7.39 | 7.50 | 7.61 | 7.71 | 7.80 | 7.88 | 7.96 |
| PT | 2 | 133 | 8.04 | 8.10 | 8.17 | 8.23 | 8.28 | 8.34 | 8.38 | 8.43 | 8.47 | 8.51 |
| PT | 2 | 143 | 8.55 | 8.58 | 8.61 | 8.64 | 8.67 | 8.69 | 8.72 | 8.74 | 8.76 | 8.78 |
| PT | 2 | 153 | 8.80 | 8.81 | 8.83 | 8.84 | 8.86 | 8.87 | 8.88 | 8.89 | 8.90 | 8.91 |
| PT | 2 | 163 | 8.92 | 8.93 | 8.93 | 8.94 | 8.95 | 8.95 | 8.96 | 8.96 | 8.97 | 8.97 |
| PT | 2 | 173 | 8.98 | 8.98 | 8.98 | 8.99 | 8.99 | 8.99 | 9.00 | 9.00 | 9.00 | 9.00 |
| PT | 2 | 183 | 9.01 | 9.01 | 9.01 | 9.01 | 9.01 | 9.01 | 9.01 | 9.01 | 9.02 | 9.02 |
| PT | 2 | 193 | 8.56 | 8.59 | 8.25 | 8.29 | 8.33 | 8.37 | 8.41 | 8.44 | 8.47 | 8.50 |
| EP | 5 | 280 | 6.82 | 6.79 | 6.77 | 6.75 | 6.73 | 6.71 | 6.70 | 6.69 | 6.68 | 6.68 |
| EP | 5 | 290 | 6.67 | 6.66 | 6.66 | 6.66 | 6.65 | 6.65 | 6.65 | 6.65 | 6.65 | 6.65 |
| EP | 5 | 300 | 6.65 | 6.65 | 6.54 | 6.55 | 6.55 | 6.56 | 6.56 | 6.56 | 6.57 | 6.57 |
| EP | 5 | 310 | 6.57 | 6.58 | 6.58 | 6.58 | 6.59 | 6.59 | 6.59 | 6.60 | 6.60 | 6.54 |
| EP | 5 | 320 | 6.55 | 6.55 | 6.56 | 6.56 | 6.57 | 6.57 | 6.57 | 6.58 | 6.58 | 6.59 |
| EP | 5 | 330 | 6.59 | 6.59 | 6.60 | 6.59 | 6.59 | 6.60 | 6.60 | 6.60 | 6.61 | 6.61 |
| EP | 5 | 340 | 6.58 | 6.59 | 6.59 | 6.59 | 6.60 | 6.60 | 6.60 | 6.61 | 6.61 | 6.61 |
| EP | 5 | 350 | 6.62 | 6.62 | 6.62 | 6.63 | 6.63 | 6.63 | 6.64 | 6.64 | 6.40 | 6.41 |
| EP | 5 | 360 | 6.42 | 6.44 | 6.45 | 6.46 | 6.47 | 6.48 | 6.49 | 6.50 | 6.51 | 6.51 |
| EP | 5 | 370 | 6.52 | 6.53 | 6.53 | 6.54 | 6.55 | 6.55 | 6.56 | 6.56 | 6.57 | 6.57 |
| EP | 5 | 380 | 6.58 | 6.58 | 6.59 | 6.59 | 6.59 | 6.60 | 6.60 | 6.61 | 6.61 | |
| AC | 7 | 487 | 7.10 | 7.31 | 7.49 | 7.65 | 7.78 | 7.89 | 7.99 | 8.07 | 8.14 | 8.20 |
| AC | 7 | 497 | 8.25 | 8.29 | 8.29 | 8.33 | 8.36 | 8.39 | 8.42 | 8.44 | 8.46 | 8.48 |
| AC | 7 | 507 | 8.50 | 8.51 | 8.52 | 8.53 | 8.54 | 8.55 | 8.56 | 8.57 | 8.57 | 8.58 |
| AC | 7 | 517 | 8.58 | 8.59 | 8.60 | 8.60 | 8.60 | 8.61 | 8.61 | 8.62 | 8.62 | 8.63 |
| AC | 7 | 527 | 8.63 | 8.63 | 8.64 | 8.64 | 8.64 | 8.65 | 8.65 | 8.65 | 8.65 | 8.66 |
| AC | 7 | 537 | 8.66 | 8.66 | 8.67 | 8.67 | 8.67 | 8.67 | 8.68 | 8.68 | 8.68 | 8.59 |
| AC | 7 | 547 | 8.60 | 8.61 | 8.61 | 8.62 | 8.62 | 8.63 | 8.63 | 8.64 | 8.64 | 8.65 |
| AC | 7 | 557 | 8.65 | 8.65 | 8.66 | 8.66 | | | | | | |

INTERMEDIATE REPORT
Effective BOD1
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 15.96 | 15.91 | 15.87 | 15.83 | 15.79 | 15.74 | 15.70 | 15.66 | 15.62 | 15.57 |
| P6 | 1 | 11 | 15.53 | 15.49 | 15.45 | 15.41 | 15.36 | 15.32 | 15.28 | 15.24 | 15.20 | 15.16 |
| P6 | 1 | 21 | 15.09 | 15.05 | 15.01 | 14.97 | 14.93 | 14.89 | 14.85 | 14.81 | 14.77 | 14.73 |
| P6 | 1 | 31 | 14.69 | 14.65 | 14.60 | 14.56 | 14.52 | 14.48 | 14.44 | 14.41 | 14.37 | 14.33 |
| P6 | 1 | 41 | 14.29 | 16.57 | 16.53 | 16.48 | 16.44 | 16.39 | 16.35 | 16.30 | 16.26 | 16.21 |
| P6 | 1 | 51 | 16.17 | 16.13 | 16.08 | 16.04 | 15.99 | 15.95 | 15.90 | 15.86 | 15.82 | 15.77 |
| P6 | 1 | 61 | 15.73 | 15.68 | 15.64 | 15.60 | 15.55 | 15.51 | 15.47 | 15.42 | 15.38 | 15.34 |
| P6 | 1 | 71 | 15.29 | 15.25 | 15.21 | 15.16 | 15.12 | 15.08 | 15.04 | 14.99 | 14.95 | 14.91 |
| P6 | 1 | 81 | 14.87 | 17.04 | 16.99 | 16.94 | 16.89 | 16.85 | 16.80 | 16.75 | 16.71 | 16.66 |
| P6 | 1 | 91 | 16.61 | 16.57 | 18.25 | 18.20 | 18.15 | 18.10 | 18.05 | 18.00 | 17.95 | 17.91 |
| P6 | 1 | 101 | 17.86 | 17.81 | 17.76 | 17.71 | 17.66 | 17.61 | 17.56 | 17.51 | 17.46 | 17.41 |
| P6 | 1 | 111 | 17.36 | 17.31 | 17.26 | 17.21 | 17.16 | 17.12 | 17.07 | 17.02 | 16.97 | 16.92 |
| P6 | 1 | 121 | 16.87 | 16.82 | | | | | | | | |
| P5 | 3 | 203 | 19.07 | 19.11 | 19.15 | 19.19 | 19.23 | 19.28 | 19.32 | 19.36 | 19.41 | 19.46 |
| P5 | 3 | 213 | 19.75 | 19.80 | 19.85 | 19.90 | 19.95 | 19.99 | 20.05 | 20.36 | 20.41 | 20.46 |
| P5 | 3 | 223 | 20.52 | 20.57 | 20.62 | 20.68 | 20.73 | 20.82 | 20.87 | 20.93 | 20.99 | 21.05 |
| P5 | 3 | 233 | 21.10 | 21.16 | 21.22 | 22.35 | 22.40 | 22.46 | 22.52 | | | |
| P4 | 4 | 240 | 22.25 | 21.98 | 21.72 | 21.46 | 21.20 | 20.95 | 20.70 | 20.46 | 20.21 | 19.97 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P4 | 4 | 250 | 19.74 | 19.51 | 19.27 | 19.05 | 18.82 | 18.60 | 18.38 | 18.16 | 17.95 | 17.73 |
| P4 | 4 | 260 | 17.52 | 17.31 | 17.11 | 16.90 | 16.70 | 16.50 | 16.30 | 16.10 | 15.91 | 15.71 |
| P4 | 4 | 270 | 15.52 | 15.33 | 15.14 | 14.95 | 14.77 | 14.58 | 14.40 | 15.14 | 14.95 | 14.76 |
| P3 | 6 | 389 | 15.29 | 16.07 | 16.78 | 17.43 | 18.19 | 18.72 | 19.21 | 19.66 | 20.08 | 20.47 |
| P3 | 6 | 399 | 20.83 | 21.17 | 21.49 | 21.80 | 22.08 | 22.35 | 22.60 | 22.84 | 23.07 | 23.29 |
| P3 | 6 | 409 | 23.49 | 23.69 | 23.88 | 24.06 | 24.23 | 24.40 | 24.56 | 24.71 | 24.86 | 25.00 |
| P3 | 6 | 419 | 25.14 | 25.27 | 25.40 | 25.52 | 25.64 | 25.76 | 25.87 | 25.98 | 26.09 | 26.37 |
| P3 | 6 | 429 | 26.47 | 26.56 | 26.65 | 26.74 | 26.83 | 26.92 | 27.00 | 27.08 | 27.16 | 27.24 |
| P3 | 6 | 439 | 27.32 | 27.39 | 27.47 | 27.54 | 27.61 | 27.68 | 27.75 | 27.81 | 27.88 | 27.94 |
| P3 | 6 | 449 | 28.01 | 28.07 | 28.13 | 28.31 | 28.36 | 28.42 | 28.48 | 28.52 | 28.58 | 28.63 |
| P3 | 6 | 459 | 28.68 | 28.74 | 28.79 | 28.84 | 28.89 | 28.94 | 28.99 | 29.04 | 29.09 | 29.13 |
| P3 | 6 | 469 | 29.18 | 29.23 | 29.27 | 29.32 | 29.36 | 29.41 | 29.45 | 29.50 | 29.54 | 29.58 |
| P3 | 6 | 479 | 29.62 | 29.67 | 29.71 | 29.75 | 29.79 | 29.83 | 29.87 | 29.55 | | |
| P2 | 8 | 561 | 29.35 | 29.33 | 29.32 | 29.31 | 29.31 | 29.32 | 29.29 | 29.26 | 29.23 | 29.19 |
| P2 | 8 | 571 | 29.16 | 29.13 | 29.10 | 29.07 | 29.04 | 29.01 | 28.98 | 28.95 | 28.92 | 28.89 |
| P2 | 8 | 581 | 28.87 | 28.84 | 28.82 | 28.80 | 28.76 | 28.71 | 28.66 | 28.61 | 28.55 | 28.48 |
| P2 | 8 | 591 | 28.40 | 28.31 | 28.20 | 28.07 | 27.91 | 27.71 | 27.48 | 27.18 | 26.81 | 26.35 |
| P2 | 8 | 601 | 25.77 | 25.03 | 24.10 | | | | | | | |
| P1 | 9 | 604 | 23.93 | 23.84 | 23.75 | 23.66 | 23.57 | 23.49 | 23.41 | 23.33 | 23.26 | 23.18 |
| P1 | 9 | 614 | 23.11 | 23.04 | 22.97 | 22.91 | 22.85 | 22.79 | 22.73 | 22.68 | 22.62 | 22.58 |
| P1 | 9 | 624 | 22.53 | 22.49 | 22.45 | 22.41 | 22.38 | 22.35 | 22.32 | 22.30 | 22.28 | 22.26 |
| P1 | 9 | 634 | 22.25 | 22.24 | 22.24 | 22.23 | 22.24 | 22.24 | 22.25 | 22.27 | 22.29 | 22.31 |
| P1 | 9 | 644 | 22.34 | 22.37 | 22.40 | 22.45 | 22.49 | 22.54 | 22.60 | 22.66 | 22.73 | 22.80 |
| P1 | 9 | 654 | 22.88 | 22.96 | 23.05 | 23.14 | 23.24 | 23.35 | 23.47 | 23.59 | 23.71 | 23.85 |
| P1 | 9 | 664 | 23.99 | 24.14 | 24.30 | 24.46 | 24.63 | 24.81 | | | | |
| PT | 2 | 123 | 21.98 | 21.96 | 21.94 | 21.93 | 21.91 | 21.89 | 21.87 | 21.85 | 21.83 | 21.81 |
| PT | 2 | 133 | 21.79 | 21.78 | 21.76 | 21.74 | 21.72 | 21.70 | 21.68 | 21.66 | 21.65 | 21.63 |
| PT | 2 | 143 | 21.61 | 21.59 | 21.57 | 21.55 | 21.54 | 21.52 | 21.50 | 21.48 | 21.46 | 21.44 |
| PT | 2 | 153 | 21.42 | 21.41 | 21.39 | 21.37 | 21.35 | 21.33 | 21.31 | 21.30 | 21.28 | 21.26 |
| PT | 2 | 163 | 21.24 | 21.22 | 21.20 | 21.18 | 21.17 | 21.15 | 21.13 | 21.11 | 21.09 | 21.07 |
| PT | 2 | 173 | 21.06 | 21.04 | 21.02 | 21.00 | 20.98 | 20.97 | 20.95 | 20.93 | 20.91 | 20.89 |
| PT | 2 | 183 | 20.87 | 20.86 | 20.84 | 20.82 | 20.80 | 20.78 | 20.76 | 20.75 | 20.73 | 20.71 |
| PT | 2 | 193 | 20.87 | 20.86 | 21.09 | 21.08 | 21.06 | 21.04 | 21.03 | 21.01 | 21.00 | 20.98 |
| EP | 5 | 280 | 12.96 | 12.91 | 12.87 | 12.82 | 12.78 | 12.74 | 12.70 | 12.65 | 12.61 | 12.57 |
| EP | 5 | 290 | 12.53 | 12.49 | 12.45 | 12.41 | 12.37 | 12.33 | 12.29 | 12.26 | 12.22 | 12.18 |
| EP | 5 | 300 | 12.14 | 12.11 | 13.46 | 13.42 | 13.38 | 13.33 | 13.29 | 13.24 | 13.20 | 13.16 |
| EP | 5 | 310 | 13.12 | 13.07 | 13.03 | 12.99 | 12.95 | 12.91 | 12.87 | 12.83 | 12.79 | 13.53 |
| EP | 5 | 320 | 13.48 | 13.44 | 13.40 | 13.35 | 13.31 | 13.27 | 13.23 | 13.19 | 13.14 | 13.10 |
| EP | 5 | 330 | 13.06 | 13.02 | 12.98 | 13.12 | 13.08 | 13.04 | 13.00 | 12.96 | 12.92 | 12.88 |
| EP | 5 | 340 | 13.25 | 13.20 | 13.16 | 13.12 | 13.08 | 13.04 | 13.00 | 12.96 | 12.93 | 12.89 |
| EP | 5 | 350 | 12.85 | 12.81 | 12.77 | 12.73 | 12.70 | 12.66 | 12.62 | 12.58 | 15.42 | 15.38 |
| EP | 5 | 360 | 15.33 | 15.28 | 15.23 | 15.18 | 15.13 | 15.08 | 15.04 | 14.99 | 14.94 | 14.90 |
| EP | 5 | 370 | 14.85 | 14.80 | 14.76 | 14.71 | 14.66 | 14.62 | 14.57 | 14.53 | 14.48 | 14.44 |
| EP | 5 | 380 | 14.40 | 14.35 | 14.31 | 14.27 | 14.22 | 14.18 | 14.14 | 14.09 | 14.05 | |
| AC | 7 | 487 | 25.88 | 25.76 | 25.65 | 25.53 | 25.41 | 25.30 | 25.18 | 25.07 | 24.95 | 24.84 |
| AC | 7 | 497 | 24.72 | 24.61 | 24.37 | 24.26 | 24.15 | 24.04 | 23.93 | 23.82 | 23.71 | 23.60 |
| AC | 7 | 507 | 23.50 | 23.39 | 23.28 | 23.18 | 23.07 | 22.97 | 22.86 | 22.76 | 22.66 | 22.56 |
| AC | 7 | 517 | 22.45 | 22.35 | 22.25 | 22.15 | 22.05 | 21.95 | 21.85 | 21.75 | 21.66 | 21.56 |
| AC | 7 | 527 | 21.46 | 21.37 | 21.27 | 21.18 | 21.08 | 20.99 | 20.89 | 20.79 | 20.69 | 20.60 |
| AC | 7 | 537 | 20.51 | 20.42 | 20.33 | 20.24 | 20.15 | 20.06 | 19.97 | 19.88 | 19.80 | 20.45 |
| AC | 7 | 547 | 20.36 | 20.28 | 20.19 | 20.10 | 20.01 | 19.92 | 19.83 | 19.75 | 19.66 | 19.58 |
| AC | 7 | 557 | 19.49 | 19.40 | 19.32 | 19.24 | | | | | | |

INTERMEDIATE REPORT
Biochemical Oxygen Demand
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 15.80 | 15.75 | 15.71 | 15.67 | 15.63 | 15.58 | 15.54 | 15.50 | 15.46 | 15.41 |
| P6 | 1 | 11 | 15.37 | 15.33 | 15.29 | 15.25 | 15.20 | 15.16 | 15.12 | 15.08 | 15.04 | 15.00 |
| P6 | 1 | 21 | 14.93 | 14.89 | 14.85 | 14.81 | 14.77 | 14.73 | 14.69 | 14.65 | 14.61 | 14.57 |
| P6 | 1 | 31 | 14.53 | 14.48 | 14.44 | 14.40 | 14.36 | 14.32 | 14.28 | 14.25 | 14.21 | 14.17 |
| P6 | 1 | 41 | 14.13 | 16.41 | 16.37 | 16.32 | 16.28 | 16.23 | 16.19 | 16.14 | 16.10 | 16.05 |
| P6 | 1 | 51 | 16.01 | 15.97 | 15.92 | 15.88 | 15.83 | 15.79 | 15.74 | 15.70 | 15.66 | 15.61 |
| P6 | 1 | 61 | 15.57 | 15.52 | 15.48 | 15.44 | 15.39 | 15.35 | 15.31 | 15.26 | 15.22 | 15.18 |
| P6 | 1 | 71 | 15.13 | 15.09 | 15.05 | 15.00 | 14.96 | 14.92 | 14.88 | 14.83 | 14.79 | 14.75 |
| P6 | 1 | 81 | 14.71 | 16.88 | 16.83 | 16.78 | 16.73 | 16.69 | 16.64 | 16.59 | 16.55 | 16.50 |
| P6 | 1 | 91 | 16.45 | 16.41 | 18.09 | 18.04 | 17.99 | 17.94 | 17.89 | 17.84 | 17.79 | 17.74 |
| P6 | 1 | 101 | 17.70 | 17.65 | 17.60 | 17.55 | 17.50 | 17.45 | 17.40 | 17.35 | 17.30 | 17.25 |
| P6 | 1 | 111 | 17.20 | 17.15 | 17.10 | 17.05 | 17.00 | 16.96 | 16.91 | 16.86 | 16.81 | 16.76 |
| P6 | 1 | 121 | 16.71 | 16.66 | | | | | | | | |
| P5 | 3 | 203 | 18.79 | 18.71 | 18.64 | 18.56 | 18.49 | 18.41 | 18.34 | 18.27 | 18.20 | 18.13 |
| P5 | 3 | 213 | 18.31 | 18.24 | 18.17 | 18.10 | 18.03 | 17.96 | 17.90 | 18.10 | 18.03 | 17.96 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P5 | 3 | 223 | 17.90 | 17.84 | 17.77 | 17.71 | 17.65 | 17.62 | 17.56 | 17.50 | 17.44 | 17.38 |
| P5 | 3 | 233 | 17.32 | 17.26 | 17.20 | 18.21 | 18.15 | 18.09 | 18.03 | | | |
| P4 | 4 | 240 | 17.87 | 17.71 | 17.55 | 17.40 | 17.25 | 17.10 | 16.96 | 16.82 | 16.68 | 16.55 |
| P4 | 4 | 250 | 16.42 | 16.29 | 16.17 | 16.05 | 15.93 | 15.81 | 15.70 | 15.59 | 15.48 | 15.37 |
| P4 | 4 | 260 | 15.27 | 15.16 | 15.06 | 14.96 | 14.87 | 14.77 | 14.68 | 14.59 | 14.50 | 14.41 |
| P4 | 4 | 270 | 14.32 | 14.24 | 14.16 | 14.08 | 14.00 | 13.92 | 13.84 | 14.69 | 14.60 | 14.52 |
| P3 | 6 | 389 | 15.03 | 15.79 | 16.48 | 17.10 | 17.84 | 18.35 | 18.82 | 19.25 | 19.65 | 20.01 |
| P3 | 6 | 399 | 20.36 | 20.68 | 20.97 | 21.25 | 21.52 | 21.76 | 21.99 | 22.21 | 22.42 | 22.61 |
| P3 | 6 | 409 | 22.80 | 22.98 | 23.14 | 23.30 | 23.45 | 23.60 | 23.74 | 23.87 | 23.99 | 24.12 |
| P3 | 6 | 419 | 24.23 | 24.34 | 24.45 | 24.55 | 24.65 | 24.75 | 24.84 | 24.93 | 25.01 | 25.27 |
| P3 | 6 | 429 | 25.34 | 25.42 | 25.49 | 25.56 | 25.62 | 25.69 | 25.75 | 25.81 | 25.87 | 25.92 |
| P3 | 6 | 439 | 25.98 | 26.03 | 26.08 | 26.14 | 26.18 | 26.23 | 26.28 | 26.32 | 26.37 | 26.41 |
| P3 | 6 | 449 | 26.45 | 26.49 | 26.53 | 26.69 | 26.73 | 26.76 | 26.80 | 26.82 | 26.85 | 26.88 |
| P3 | 6 | 459 | 26.92 | 26.95 | 26.98 | 27.01 | 27.03 | 27.06 | 27.09 | 27.12 | 27.14 | 27.17 |
| P3 | 6 | 469 | 27.20 | 27.22 | 27.25 | 27.27 | 27.29 | 27.32 | 27.34 | 27.36 | 27.38 | 27.40 |
| P3 | 6 | 479 | 27.42 | 27.45 | 27.47 | 27.49 | 27.50 | 27.52 | 27.54 | 27.20 | | |
| P2 | 8 | 561 | 27.01 | 27.00 | 26.99 | 26.99 | 27.00 | 27.02 | 26.99 | 26.97 | 26.94 | 26.92 |
| P2 | 8 | 571 | 26.90 | 26.87 | 26.85 | 26.83 | 26.80 | 26.78 | 26.76 | 26.74 | 26.71 | 26.69 |
| P2 | 8 | 581 | 26.68 | 26.66 | 26.64 | 26.63 | 26.59 | 26.56 | 26.51 | 26.47 | 26.41 | 26.35 |
| P2 | 8 | 591 | 26.28 | 26.20 | 26.09 | 25.97 | 25.82 | 25.63 | 25.40 | 25.11 | 24.75 | 24.30 |
| P2 | 8 | 601 | 23.72 | 22.99 | 22.07 | | | | | | | |
| P1 | 9 | 604 | 21.90 | 21.81 | 21.72 | 21.63 | 21.54 | 21.46 | 21.38 | 21.30 | 21.23 | 21.16 |
| P1 | 9 | 614 | 21.08 | 21.01 | 20.94 | 20.88 | 20.82 | 20.76 | 20.70 | 20.65 | 20.60 | 20.55 |
| P1 | 9 | 624 | 20.50 | 20.46 | 20.42 | 20.38 | 20.35 | 20.32 | 20.29 | 20.27 | 20.25 | 20.23 |
| P1 | 9 | 634 | 20.22 | 20.21 | 20.21 | 20.21 | 20.21 | 20.21 | 20.22 | 20.24 | 20.26 | 20.28 |
| P1 | 9 | 644 | 20.31 | 20.34 | 20.38 | 20.42 | 20.46 | 20.51 | 20.57 | 20.63 | 20.70 | 20.77 |
| P1 | 9 | 654 | 20.85 | 20.93 | 21.02 | 21.11 | 21.22 | 21.32 | 21.44 | 21.56 | 21.69 | 21.82 |
| P1 | 9 | 664 | 21.96 | 22.11 | 22.27 | 22.43 | 22.60 | 22.78 | | | | |
| PT | 2 | 123 | 21.35 | 21.33 | 21.32 | 21.31 | 21.30 | 21.28 | 21.27 | 21.26 | 21.25 | 21.23 |
| PT | 2 | 133 | 21.22 | 21.21 | 21.20 | 21.18 | 21.17 | 21.16 | 21.14 | 21.13 | 21.12 | 21.11 |
| PT | 2 | 143 | 21.09 | 21.08 | 21.07 | 21.06 | 21.04 | 21.03 | 21.02 | 21.01 | 20.99 | 20.98 |
| PT | 2 | 153 | 20.97 | 20.96 | 20.94 | 20.93 | 20.92 | 20.91 | 20.90 | 20.88 | 20.87 | 20.86 |
| PT | 2 | 163 | 20.85 | 20.83 | 20.82 | 20.81 | 20.80 | 20.78 | 20.77 | 20.76 | 20.75 | 20.73 |
| PT | 2 | 173 | 20.72 | 20.71 | 20.70 | 20.69 | 20.67 | 20.66 | 20.65 | 20.64 | 20.62 | 20.61 |
| PT | 2 | 183 | 20.60 | 20.59 | 20.57 | 20.56 | 20.55 | 20.54 | 20.53 | 20.51 | 20.50 | 20.49 |
| PT | 2 | 193 | 20.66 | 20.65 | 20.89 | 20.88 | 20.87 | 20.86 | 20.85 | 20.84 | 20.83 | 20.82 |
| EP | 5 | 280 | 12.42 | 12.38 | 12.34 | 12.30 | 12.26 | 12.22 | 12.18 | 12.14 | 12.10 | 12.07 |
| EP | 5 | 290 | 12.03 | 11.99 | 11.95 | 11.92 | 11.88 | 11.84 | 11.81 | 11.77 | 11.74 | 11.70 |
| EP | 5 | 300 | 11.67 | 11.63 | 12.99 | 12.95 | 12.91 | 12.87 | 12.83 | 12.79 | 12.74 | 12.70 |
| EP | 5 | 310 | 12.66 | 12.62 | 12.59 | 12.55 | 12.51 | 12.47 | 12.43 | 12.39 | 12.36 | 13.10 |
| EP | 5 | 320 | 13.06 | 13.02 | 12.98 | 12.94 | 12.90 | 12.86 | 12.82 | 12.78 | 12.74 | 12.70 |
| EP | 5 | 330 | 12.67 | 12.63 | 12.59 | 12.74 | 12.70 | 12.66 | 12.62 | 12.58 | 12.55 | 12.51 |
| EP | 5 | 340 | 12.88 | 12.84 | 12.80 | 12.76 | 12.72 | 12.69 | 12.65 | 12.61 | 12.58 | 12.54 |
| EP | 5 | 350 | 12.50 | 12.47 | 12.43 | 12.40 | 12.36 | 12.33 | 12.29 | 12.26 | 15.10 | 15.06 |
| EP | 5 | 360 | 15.01 | 14.96 | 14.92 | 14.87 | 14.83 | 14.78 | 14.74 | 14.69 | 14.65 | 14.60 |
| EP | 5 | 370 | 14.56 | 14.52 | 14.47 | 14.43 | 14.39 | 14.34 | 14.30 | 14.26 | 14.22 | 14.18 |
| EP | 5 | 380 | 14.13 | 14.09 | 14.05 | 14.01 | 13.97 | 13.93 | 13.89 | 13.85 | 13.81 | |
| AC | 7 | 487 | 23.53 | 23.41 | 23.30 | 23.18 | 23.06 | 22.95 | 22.83 | 22.72 | 22.60 | 22.49 |
| AC | 7 | 497 | 22.37 | 22.26 | 22.02 | 21.91 | 21.80 | 21.69 | 21.58 | 21.47 | 21.36 | 21.25 |
| AC | 7 | 507 | 21.15 | 21.04 | 20.93 | 20.83 | 20.72 | 20.62 | 20.51 | 20.41 | 20.31 | 20.21 |
| AC | 7 | 517 | 20.10 | 20.00 | 19.90 | 19.80 | 19.70 | 19.60 | 19.50 | 19.41 | 19.31 | 19.21 |
| AC | 7 | 527 | 19.11 | 19.02 | 18.92 | 18.83 | 18.73 | 18.64 | 18.54 | 18.44 | 18.35 | 18.25 |
| AC | 7 | 537 | 18.16 | 18.07 | 17.98 | 17.89 | 17.80 | 17.71 | 17.62 | 17.53 | 17.45 | 18.10 |
| AC | 7 | 547 | 18.02 | 17.93 | 17.84 | 17.75 | 17.66 | 17.57 | 17.49 | 17.40 | 17.31 | 17.23 |
| AC | 7 | 557 | 17.14 | 17.06 | 16.97 | 16.89 | | | | | | |

INTERMEDIATE REPORT
Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.28 | 1.28 | 1.28 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 |
| P6 | 1 | 11 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.26 | 1.26 |
| P6 | 1 | 21 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| P6 | 1 | 31 | 1.26 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| P6 | 1 | 41 | 1.25 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 |
| P6 | 1 | 51 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| P6 | 1 | 61 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| P6 | 1 | 71 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.38 | 1.38 | 1.38 | 1.38 |
| P6 | 1 | 81 | 1.38 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.52 |
| P6 | 1 | 91 | 1.52 | 1.52 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| P6 | 1 | 101 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.62 |
| P6 | 1 | 111 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 121 | 1.62 | 1.62 | | | | | | | | |
| P5 | 3 | 203 | 2.70 | 2.69 | 2.69 | 2.68 | 2.68 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 |
| P5 | 3 | 213 | 2.66 | 2.66 | 2.65 | 2.65 | 2.65 | 2.64 | 2.64 | 2.65 | 2.64 | 2.64 |
| P5 | 3 | 223 | 2.63 | 2.63 | 2.63 | 2.62 | 2.62 | 2.62 | 2.61 | 2.61 | 2.60 | 2.60 |
| P5 | 3 | 233 | 2.60 | 2.59 | 2.59 | 2.62 | 2.62 | 2.62 | 2.61 | | | |
| P4 | 4 | 240 | 2.60 | 2.59 | 2.58 | 2.57 | 2.57 | 2.56 | 2.55 | 2.54 | 2.53 | 2.52 |
| P4 | 4 | 250 | 2.52 | 2.51 | 2.50 | 2.49 | 2.49 | 2.48 | 2.47 | 2.46 | 2.46 | 2.45 |
| P4 | 4 | 260 | 2.44 | 2.44 | 2.43 | 2.43 | 2.42 | 2.41 | 2.41 | 2.40 | 2.40 | 2.39 |
| P4 | 4 | 270 | 2.39 | 2.38 | 2.37 | 2.37 | 2.36 | 2.36 | 2.35 | 2.39 | 2.39 | 2.38 |
| P3 | 6 | 389 | 1.86 | 1.81 | 1.77 | 1.74 | 1.71 | 1.68 | 1.66 | 1.63 | 1.61 | 1.58 |
| P3 | 6 | 399 | 1.56 | 1.54 | 1.53 | 1.51 | 1.49 | 1.48 | 1.46 | 1.45 | 1.44 | 1.43 |
| P3 | 6 | 409 | 1.42 | 1.41 | 1.40 | 1.39 | 1.38 | 1.37 | 1.36 | 1.35 | 1.34 | 1.34 |
| P3 | 6 | 419 | 1.33 | 1.32 | 1.32 | 1.31 | 1.31 | 1.30 | 1.29 | 1.29 | 1.28 | 1.29 |
| P3 | 6 | 429 | 1.29 | 1.28 | 1.28 | 1.28 | 1.27 | 1.27 | 1.26 | 1.26 | 1.25 | 1.25 |
| P3 | 6 | 439 | 1.25 | 1.24 | 1.24 | 1.24 | 1.23 | 1.23 | 1.23 | 1.22 | 1.22 | 1.22 |
| P3 | 6 | 449 | 1.22 | 1.21 | 1.21 | 1.22 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.20 |
| P3 | 6 | 459 | 1.20 | 1.20 | 1.20 | 1.20 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.18 |
| P3 | 6 | 469 | 1.18 | 1.18 | 1.18 | 1.18 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| P3 | 6 | 479 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.15 | | |
| P2 | 8 | 561 | 1.15 | 1.15 | 1.15 | 1.15 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| P2 | 8 | 571 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| P2 | 8 | 581 | 1.16 | 1.16 | 1.16 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| P2 | 8 | 591 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.18 | 1.18 | 1.19 | 1.19 | 1.20 |
| P2 | 8 | 601 | 1.21 | 1.22 | 1.24 | | | | | | | |
| P1 | 9 | 604 | 1.24 | 1.24 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.26 | 1.26 | 1.26 |
| P1 | 9 | 614 | 1.26 | 1.27 | 1.27 | 1.27 | 1.27 | 1.28 | 1.28 | 1.28 | 1.29 | 1.29 |
| P1 | 9 | 624 | 1.29 | 1.30 | 1.30 | 1.30 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.33 |
| P1 | 9 | 634 | 1.33 | 1.34 | 1.34 | 1.35 | 1.35 | 1.36 | 1.37 | 1.37 | 1.38 | 1.38 |
| P1 | 9 | 644 | 1.39 | 1.40 | 1.40 | 1.41 | 1.42 | 1.43 | 1.43 | 1.44 | 1.45 | 1.46 |
| P1 | 9 | 654 | 1.47 | 1.47 | 1.48 | 1.49 | 1.50 | 1.51 | 1.52 | 1.53 | 1.54 | 1.55 |
| P1 | 9 | 664 | 1.56 | 1.58 | 1.59 | 1.60 | 1.61 | 1.63 | | | | |
| PT | 2 | 123 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 |
| PT | 2 | 133 | 3.91 | 3.91 | 3.91 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 |
| PT | 2 | 143 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 |
| PT | 2 | 153 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 |
| PT | 2 | 163 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.89 |
| PT | 2 | 173 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 |
| PT | 2 | 183 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 |
| PT | 2 | 193 | 3.90 | 3.90 | 3.67 | 3.67 | 3.67 | 3.67 | 3.66 | 3.66 | 3.66 | 3.66 |
| EP | 5 | 280 | 1.11 | 1.11 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| EP | 5 | 290 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| EP | 5 | 300 | 1.10 | 1.10 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 |
| EP | 5 | 310 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.23 |
| EP | 5 | 320 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.22 | 1.22 |
| EP | 5 | 330 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| EP | 5 | 340 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| EP | 5 | 350 | 1.25 | 1.25 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.42 | 1.42 |
| EP | 5 | 360 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 |
| EP | 5 | 370 | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| EP | 5 | 380 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | |
| AC | 7 | 487 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.93 |
| AC | 7 | 497 | 0.93 | 0.93 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| AC | 7 | 507 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 | 0.91 | 0.91 | 0.91 |
| AC | 7 | 517 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.90 | 0.90 |
| AC | 7 | 527 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| AC | 7 | 537 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.95 |
| AC | 7 | 547 | 0.95 | 0.95 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| AC | 7 | 557 | 0.94 | 0.94 | 0.94 | 0.94 | | | | | | |

INTERMEDIATE REPORT
Effective Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 |
| P6 | 1 | 11 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| P6 | 1 | 21 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 |
| P6 | 1 | 31 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| P6 | 1 | 41 | 1.26 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 |
| P6 | 1 | 51 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| P6 | 1 | 61 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| P6 | 1 | 71 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| P6 | 1 | 81 | 1.39 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 91 | 1.54 | 1.54 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.64 |
| P6 | 1 | 101 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| P6 | 1 | 111 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| P6 | 1 | 121 | 1.63 | 1.63 | | | | | | | | |
| P5 | 3 | 203 | 2.72 | 2.72 | 2.73 | 2.73 | 2.74 | 2.74 | 2.75 | 2.75 | 2.76 | 2.76 |
| P5 | 3 | 213 | 2.78 | 2.78 | 2.79 | 2.79 | 2.80 | 2.80 | 2.81 | 2.83 | 2.83 | 2.84 |
| P5 | 3 | 223 | 2.84 | 2.85 | 2.85 | 2.86 | 2.86 | 2.87 | 2.88 | 2.88 | 2.89 | 2.89 |
| P5 | 3 | 233 | 2.90 | 2.90 | 2.91 | 2.95 | 2.96 | 2.96 | 2.97 | | | |
| P4 | 4 | 240 | 2.95 | 2.93 | 2.92 | 2.90 | 2.88 | 2.86 | 2.85 | 2.83 | 2.81 | 2.80 |
| P4 | 4 | 250 | 2.78 | 2.76 | 2.75 | 2.73 | 2.72 | 2.70 | 2.68 | 2.67 | 2.65 | 2.64 |
| P4 | 4 | 260 | 2.62 | 2.61 | 2.59 | 2.58 | 2.57 | 2.55 | 2.54 | 2.52 | 2.51 | 2.49 |
| P4 | 4 | 270 | 2.48 | 2.47 | 2.45 | 2.44 | 2.43 | 2.41 | 2.40 | 2.43 | 2.42 | 2.40 |
| P3 | 6 | 389 | 1.88 | 1.83 | 1.80 | 1.76 | 1.74 | 1.71 | 1.69 | 1.66 | 1.64 | 1.62 |
| P3 | 6 | 399 | 1.60 | 1.58 | 1.57 | 1.55 | 1.54 | 1.53 | 1.51 | 1.50 | 1.49 | 1.48 |
| P3 | 6 | 409 | 1.47 | 1.46 | 1.45 | 1.45 | 1.44 | 1.43 | 1.43 | 1.42 | 1.41 | 1.41 |
| P3 | 6 | 419 | 1.40 | 1.40 | 1.39 | 1.39 | 1.38 | 1.38 | 1.38 | 1.37 | 1.37 | 1.38 |
| P3 | 6 | 429 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| P3 | 6 | 439 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 |
| P3 | 6 | 449 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 |
| P3 | 6 | 459 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P3 | 6 | 469 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P3 | 6 | 479 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | | |
| P2 | 8 | 561 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P2 | 8 | 571 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P2 | 8 | 581 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P2 | 8 | 591 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.36 | 1.36 |
| P2 | 8 | 601 | 1.37 | 1.38 | 1.40 | | | | | | | |
| P1 | 9 | 604 | 1.40 | 1.40 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.42 | 1.42 | 1.42 |
| P1 | 9 | 614 | 1.42 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.45 | 1.45 |
| P1 | 9 | 624 | 1.45 | 1.46 | 1.46 | 1.46 | 1.47 | 1.47 | 1.48 | 1.48 | 1.49 | 1.49 |
| P1 | 9 | 634 | 1.50 | 1.50 | 1.51 | 1.51 | 1.52 | 1.52 | 1.53 | 1.53 | 1.54 | 1.55 |
| P1 | 9 | 644 | 1.55 | 1.56 | 1.57 | 1.57 | 1.58 | 1.59 | 1.59 | 1.60 | 1.61 | 1.62 |
| P1 | 9 | 654 | 1.63 | 1.64 | 1.64 | 1.65 | 1.66 | 1.67 | 1.68 | 1.69 | 1.70 | 1.72 |
| P1 | 9 | 664 | 1.73 | 1.74 | 1.75 | 1.76 | 1.77 | 1.79 | | | | |
| PT | 2 | 123 | 3.96 | 3.96 | 3.96 | 3.96 | 3.96 | 3.96 | 3.95 | 3.95 | 3.95 | 3.95 |
| PT | 2 | 133 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.94 |
| PT | 2 | 143 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 |
| PT | 2 | 153 | 3.94 | 3.94 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 |
| PT | 2 | 163 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 |
| PT | 2 | 173 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.91 | 3.91 |
| PT | 2 | 183 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 |
| PT | 2 | 193 | 3.92 | 3.92 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| EP | 5 | 280 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 | 1.14 | 1.14 |
| EP | 5 | 290 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| EP | 5 | 300 | 1.14 | 1.13 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.22 | 1.22 |
| EP | 5 | 310 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.21 | 1.27 |
| EP | 5 | 320 | 1.27 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| EP | 5 | 330 | 1.25 | 1.25 | 1.25 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| EP | 5 | 340 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.27 |
| EP | 5 | 350 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.45 | 1.45 |
| EP | 5 | 360 | 1.45 | 1.45 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.43 |
| EP | 5 | 370 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 |
| EP | 5 | 380 | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | |
| AC | 7 | 487 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| AC | 7 | 497 | 1.12 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| AC | 7 | 507 | 1.11 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| AC | 7 | 517 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 |
| AC | 7 | 527 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 |
| AC | 7 | 537 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.13 |
| AC | 7 | 547 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 |
| AC | 7 | 557 | 1.12 | 1.12 | 1.12 | 1.12 | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.28 |
| P6 | 1 | 11 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.26 | 0.26 |
| P6 | 1 | 21 | 0.26 | 0.26 | 0.26 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 |
| P6 | 1 | 31 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 | 0.23 | 0.23 |
| P6 | 1 | 41 | 0.23 | 0.63 | 0.63 | 0.62 | 0.62 | 0.62 | 0.61 | 0.61 | 0.60 | 0.60 |
| P6 | 1 | 51 | 0.59 | 0.59 | 0.58 | 0.58 | 0.57 | 0.57 | 0.57 | 0.56 | 0.56 | 0.55 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 61 | 0.55 | 0.54 | 0.54 | 0.54 | 0.53 | 0.53 | 0.52 | 0.52 | 0.52 | 0.51 |
| P6 | 1 | 71 | 0.51 | 0.50 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 |
| P6 | 1 | 81 | 0.47 | 0.85 | 0.84 | 0.84 | 0.83 | 0.83 | 0.82 | 0.81 | 0.81 | 0.80 |
| P6 | 1 | 91 | 0.79 | 0.79 | 1.08 | 1.08 | 1.07 | 1.06 | 1.05 | 1.04 | 1.04 | 1.03 |
| P6 | 1 | 101 | 1.02 | 1.01 | 1.01 | 1.00 | 0.99 | 0.98 | 0.98 | 0.97 | 0.96 | 0.95 |
| P6 | 1 | 111 | 0.95 | 0.94 | 0.93 | 0.93 | 0.92 | 0.91 | 0.91 | 0.90 | 0.89 | 0.89 |
| P6 | 1 | 121 | 0.88 | 0.87 | | | | | | | | |
| P5 | 3 | 203 | 0.67 | 0.66 | 0.66 | 0.65 | 0.65 | 0.65 | 0.64 | 0.64 | 0.64 | 0.63 |
| P5 | 3 | 213 | 0.67 | 0.67 | 0.67 | 0.66 | 0.66 | 0.65 | 0.65 | 0.69 | 0.69 | 0.68 |
| P5 | 3 | 223 | 0.68 | 0.68 | 0.67 | 0.67 | 0.67 | 0.67 | 0.66 | 0.66 | 0.66 | 0.65 |
| P5 | 3 | 233 | 0.65 | 0.65 | 0.64 | 0.85 | 0.84 | 0.84 | 0.83 | | | |
| P4 | 4 | 240 | 0.82 | 0.81 | 0.79 | 0.78 | 0.77 | 0.76 | 0.74 | 0.73 | 0.72 | 0.71 |
| P4 | 4 | 250 | 0.70 | 0.69 | 0.68 | 0.67 | 0.66 | 0.65 | 0.64 | 0.63 | 0.62 | 0.61 |
| P4 | 4 | 260 | 0.61 | 0.60 | 0.59 | 0.58 | 0.58 | 0.57 | 0.56 | 0.55 | 0.55 | 0.54 |
| P4 | 4 | 270 | 0.53 | 0.53 | 0.52 | 0.52 | 0.51 | 0.50 | 0.50 | 0.65 | 0.64 | 0.64 |
| P3 | 6 | 389 | 0.64 | 0.62 | 0.60 | 0.59 | 0.61 | 0.59 | 0.58 | 0.57 | 0.56 | 0.55 |
| P3 | 6 | 399 | 0.54 | 0.53 | 0.52 | 0.51 | 0.51 | 0.50 | 0.49 | 0.49 | 0.48 | 0.48 |
| P3 | 6 | 409 | 0.47 | 0.47 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 |
| P3 | 6 | 419 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.46 |
| P3 | 6 | 429 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 |
| P3 | 6 | 439 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 |
| P3 | 6 | 449 | 0.41 | 0.41 | 0.41 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| P3 | 6 | 459 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 |
| P3 | 6 | 469 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 479 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.40 | | |
| P2 | 8 | 561 | 0.40 | 0.40 | 0.40 | 0.41 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P2 | 8 | 571 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P2 | 8 | 581 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 |
| P2 | 8 | 591 | 0.41 | 0.41 | 0.41 | 0.40 | 0.40 | 0.39 | 0.38 | 0.37 | 0.36 | 0.35 |
| P2 | 8 | 601 | 0.33 | 0.31 | 0.28 | | | | | | | |
| P1 | 9 | 604 | 0.28 | 0.27 | 0.27 | 0.27 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.25 |
| P1 | 9 | 614 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 | 0.23 | 0.23 |
| P1 | 9 | 624 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| P1 | 9 | 634 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| P1 | 9 | 644 | 0.19 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 |
| P1 | 9 | 654 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| P1 | 9 | 664 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | | | | |
| PT | 2 | 123 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 133 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 143 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 153 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 163 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 173 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.16 |
| PT | 2 | 183 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| PT | 2 | 193 | 0.16 | 0.16 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| EP | 5 | 280 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| EP | 5 | 290 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| EP | 5 | 300 | 0.10 | 0.10 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 |
| EP | 5 | 310 | 0.32 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 | 0.30 | 0.29 | 0.42 |
| EP | 5 | 320 | 0.42 | 0.41 | 0.41 | 0.41 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.38 |
| EP | 5 | 330 | 0.38 | 0.38 | 0.37 | 0.40 | 0.40 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 |
| EP | 5 | 340 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 |
| EP | 5 | 350 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.89 | 0.89 |
| EP | 5 | 360 | 0.88 | 0.87 | 0.86 | 0.85 | 0.85 | 0.84 | 0.83 | 0.82 | 0.82 | 0.81 |
| EP | 5 | 370 | 0.80 | 0.79 | 0.79 | 0.78 | 0.77 | 0.77 | 0.76 | 0.75 | 0.75 | 0.74 |
| EP | 5 | 380 | 0.73 | 0.73 | 0.72 | 0.72 | 0.71 | 0.70 | 0.70 | 0.69 | 0.69 | |
| AC | 7 | 487 | 0.53 | 0.52 | 0.52 | 0.51 | 0.50 | 0.49 | 0.49 | 0.48 | 0.47 | 0.47 |
| AC | 7 | 497 | 0.46 | 0.45 | 0.44 | 0.44 | 0.43 | 0.43 | 0.42 | 0.41 | 0.41 | 0.40 |
| AC | 7 | 507 | 0.40 | 0.39 | 0.39 | 0.38 | 0.38 | 0.37 | 0.37 | 0.36 | 0.36 | 0.35 |
| AC | 7 | 517 | 0.35 | 0.34 | 0.34 | 0.33 | 0.33 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 |
| AC | 7 | 527 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 |
| AC | 7 | 537 | 0.26 | 0.26 | 0.26 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.37 |
| AC | 7 | 547 | 0.37 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 | 0.33 | 0.33 |
| AC | 7 | 557 | 0.32 | 0.32 | 0.31 | 0.31 | | | | | | |

INTERMEDIATE REPORT
Nitrate+Nitrite Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 |
| P6 | 1 | 11 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 |
| P6 | 1 | 21 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.13 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 31 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 |
| P6 | 1 | 41 | 0.14 | 0.22 | 0.22 | 0.23 | 0.23 | 0.24 | 0.24 | 0.24 | 0.25 | 0.25 |
| P6 | 1 | 51 | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 | 0.27 | 0.28 | 0.28 | 0.28 | 0.29 |
| P6 | 1 | 61 | 0.29 | 0.29 | 0.30 | 0.30 | 0.30 | 0.31 | 0.31 | 0.31 | 0.32 | 0.32 |
| P6 | 1 | 71 | 0.32 | 0.32 | 0.33 | 0.33 | 0.33 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 |
| P6 | 1 | 81 | 0.35 | 0.42 | 0.42 | 0.43 | 0.43 | 0.44 | 0.44 | 0.44 | 0.45 | 0.45 |
| P6 | 1 | 91 | 0.46 | 0.46 | 0.52 | 0.53 | 0.53 | 0.54 | 0.54 | 0.55 | 0.56 | 0.56 |
| P6 | 1 | 101 | 0.57 | 0.57 | 0.58 | 0.58 | 0.59 | 0.60 | 0.60 | 0.61 | 0.61 | 0.62 |
| P6 | 1 | 111 | 0.62 | 0.63 | 0.63 | 0.63 | 0.64 | 0.64 | 0.65 | 0.65 | 0.66 | 0.66 |
| P6 | 1 | 121 | 0.66 | 0.67 | | | | | | | | |
| P5 | 3 | 203 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 |
| P5 | 3 | 213 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P5 | 3 | 223 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.40 |
| P5 | 3 | 233 | 0.40 | 0.40 | 0.40 | 0.44 | 0.44 | 0.44 | 0.44 | | | |
| P4 | 4 | 240 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.40 | 0.40 |
| P4 | 4 | 250 | 0.40 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 |
| P4 | 4 | 260 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 |
| P4 | 4 | 270 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.37 | 0.37 | 0.37 |
| P3 | 6 | 389 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P3 | 6 | 399 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.40 |
| P3 | 6 | 409 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 419 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | 0.40 |
| P3 | 6 | 429 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 439 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 |
| P3 | 6 | 449 | 0.39 | 0.39 | 0.39 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 459 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 469 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| P3 | 6 | 479 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | | |
| P2 | 8 | 561 | 0.38 | 0.38 | 0.38 | 0.38 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| P2 | 8 | 571 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| P2 | 8 | 581 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| P2 | 8 | 591 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.36 | 0.35 | 0.35 | 0.34 | 0.32 |
| P2 | 8 | 601 | 0.31 | 0.28 | 0.26 | | | | | | | |
| P1 | 9 | 604 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 | 0.23 | 0.22 |
| P1 | 9 | 614 | 0.22 | 0.22 | 0.21 | 0.21 | 0.21 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 |
| P1 | 9 | 624 | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 |
| P1 | 9 | 634 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 |
| P1 | 9 | 644 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 | 0.11 | 0.11 |
| P1 | 9 | 654 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 |
| P1 | 9 | 664 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | |
| PT | 2 | 123 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| PT | 2 | 133 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| PT | 2 | 143 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| PT | 2 | 153 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| PT | 2 | 163 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 |
| PT | 2 | 173 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| PT | 2 | 183 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| PT | 2 | 193 | 0.02 | 0.02 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |
| EP | 5 | 280 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| EP | 5 | 290 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| EP | 5 | 300 | 0.09 | 0.09 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 |
| EP | 5 | 310 | 0.15 | 0.15 | 0.15 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.19 |
| EP | 5 | 320 | 0.19 | 0.19 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 |
| EP | 5 | 330 | 0.21 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 | 0.22 | 0.23 | 0.23 | 0.23 |
| EP | 5 | 340 | 0.24 | 0.24 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.26 | 0.26 |
| EP | 5 | 350 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 | 0.27 | 0.40 | 0.41 |
| EP | 5 | 360 | 0.41 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.43 | 0.44 | 0.44 | 0.44 |
| EP | 5 | 370 | 0.45 | 0.45 | 0.45 | 0.46 | 0.46 | 0.46 | 0.47 | 0.47 | 0.47 | 0.47 |
| EP | 5 | 380 | 0.48 | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | |
| AC | 7 | 487 | 0.18 | 0.18 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| AC | 7 | 497 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| AC | 7 | 507 | 0.21 | 0.21 | 0.21 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| AC | 7 | 517 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| AC | 7 | 527 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| AC | 7 | 537 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | 0.17 |
| AC | 7 | 547 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 |
| AC | 7 | 557 | 0.16 | 0.16 | 0.16 | 0.16 | | | | | | |

INTERMEDIATE REPORT
Total Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| P6 | 1 | 11 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 |
| P6 | 1 | 21 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| P6 | 1 | 31 | 1.63 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 |
| P6 | 1 | 41 | 1.62 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.25 | 2.25 |
| P6 | 1 | 51 | 2.25 | 2.25 | 2.25 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 |
| P6 | 1 | 61 | 2.24 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.22 | 2.22 | 2.22 |
| P6 | 1 | 71 | 2.22 | 2.22 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.20 | 2.20 |
| P6 | 1 | 81 | 2.20 | 2.80 | 2.80 | 2.79 | 2.79 | 2.79 | 2.79 | 2.78 | 2.78 | 2.78 |
| P6 | 1 | 91 | 2.78 | 2.77 | 3.24 | 3.24 | 3.24 | 3.23 | 3.23 | 3.23 | 3.23 | 3.22 |
| P6 | 1 | 101 | 3.22 | 3.22 | 3.21 | 3.21 | 3.21 | 3.21 | 3.20 | 3.20 | 3.20 | 3.19 |
| P6 | 1 | 111 | 3.19 | 3.19 | 3.18 | 3.18 | 3.18 | 3.18 | 3.17 | 3.17 | 3.17 | 3.16 |
| P6 | 1 | 121 | 3.16 | 3.16 | | | | | | | | |
| P5 | 3 | 203 | 3.80 | 3.79 | 3.78 | 3.77 | 3.76 | 3.75 | 3.74 | 3.73 | 3.72 | 3.71 |
| P5 | 3 | 213 | 3.77 | 3.76 | 3.75 | 3.74 | 3.73 | 3.72 | 3.71 | 3.76 | 3.75 | 3.74 |
| P5 | 3 | 223 | 3.73 | 3.72 | 3.71 | 3.70 | 3.70 | 3.69 | 3.68 | 3.68 | 3.67 | 3.66 |
| P5 | 3 | 233 | 3.65 | 3.64 | 3.63 | 3.91 | 3.90 | 3.89 | 3.88 | | | |
| P4 | 4 | 240 | 3.86 | 3.83 | 3.80 | 3.78 | 3.75 | 3.73 | 3.70 | 3.68 | 3.65 | 3.63 |
| P4 | 4 | 250 | 3.61 | 3.59 | 3.57 | 3.55 | 3.53 | 3.51 | 3.49 | 3.47 | 3.45 | 3.44 |
| P4 | 4 | 260 | 3.42 | 3.40 | 3.39 | 3.37 | 3.36 | 3.34 | 3.33 | 3.31 | 3.30 | 3.29 |
| P4 | 4 | 270 | 3.27 | 3.26 | 3.25 | 3.23 | 3.22 | 3.21 | 3.20 | 3.42 | 3.41 | 3.40 |
| P3 | 6 | 389 | 2.92 | 2.86 | 2.80 | 2.75 | 2.75 | 2.70 | 2.66 | 2.62 | 2.58 | 2.55 |
| P3 | 6 | 399 | 2.52 | 2.49 | 2.46 | 2.43 | 2.41 | 2.39 | 2.37 | 2.35 | 2.33 | 2.31 |
| P3 | 6 | 409 | 2.29 | 2.28 | 2.26 | 2.25 | 2.23 | 2.22 | 2.21 | 2.19 | 2.18 | 2.17 |
| P3 | 6 | 419 | 2.16 | 2.15 | 2.14 | 2.13 | 2.12 | 2.11 | 2.11 | 2.10 | 2.09 | 2.15 |
| P3 | 6 | 429 | 2.14 | 2.14 | 2.13 | 2.12 | 2.11 | 2.11 | 2.10 | 2.09 | 2.09 | 2.08 |
| P3 | 6 | 439 | 2.07 | 2.07 | 2.06 | 2.06 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 | 2.02 |
| P3 | 6 | 449 | 2.02 | 2.02 | 2.01 | 2.06 | 2.05 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 |
| P3 | 6 | 459 | 2.03 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | 1.99 |
| P3 | 6 | 469 | 1.99 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 |
| P3 | 6 | 479 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.93 | | |
| P2 | 8 | 561 | 1.93 | 1.93 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 |
| P2 | 8 | 571 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 |
| P2 | 8 | 581 | 1.96 | 1.97 | 1.97 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 |
| P2 | 8 | 591 | 1.96 | 1.95 | 1.95 | 1.94 | 1.94 | 1.93 | 1.92 | 1.91 | 1.89 | 1.87 |
| P2 | 8 | 601 | 1.85 | 1.82 | 1.78 | | | | | | | |
| P1 | 9 | 604 | 1.77 | 1.77 | 1.76 | 1.76 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 |
| P1 | 9 | 614 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.71 | 1.71 | 1.71 |
| P1 | 9 | 624 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| P1 | 9 | 634 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.71 | 1.71 |
| P1 | 9 | 644 | 1.71 | 1.71 | 1.71 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 | 1.74 | 1.74 |
| P1 | 9 | 654 | 1.75 | 1.75 | 1.76 | 1.76 | 1.77 | 1.78 | 1.78 | 1.79 | 1.80 | 1.81 |
| P1 | 9 | 664 | 1.81 | 1.82 | 1.83 | 1.84 | 1.85 | 1.86 | | | | |
| PT | 2 | 123 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 |
| PT | 2 | 133 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 |
| PT | 2 | 143 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 |
| PT | 2 | 153 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.07 | 4.07 | 4.07 |
| PT | 2 | 163 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 |
| PT | 2 | 173 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 |
| PT | 2 | 183 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 |
| PT | 2 | 193 | 4.08 | 4.08 | 4.40 | 4.40 | 4.40 | 4.40 | 4.40 | 4.40 | 4.40 | 4.40 |
| EP | 5 | 280 | 1.31 | 1.31 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| EP | 5 | 290 | 1.30 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 |
| EP | 5 | 300 | 1.29 | 1.28 | 1.67 | 1.67 | 1.67 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| EP | 5 | 310 | 1.65 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.85 |
| EP | 5 | 320 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 |
| EP | 5 | 330 | 1.81 | 1.81 | 1.81 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.83 |
| EP | 5 | 340 | 1.94 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.91 | 1.91 |
| EP | 5 | 350 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 2.72 | 2.72 |
| EP | 5 | 360 | 2.71 | 2.70 | 2.70 | 2.69 | 2.69 | 2.68 | 2.68 | 2.67 | 2.67 | 2.66 |
| EP | 5 | 370 | 2.66 | 2.65 | 2.65 | 2.64 | 2.64 | 2.63 | 2.63 | 2.62 | 2.62 | 2.61 |
| EP | 5 | 380 | 2.61 | 2.60 | 2.60 | 2.59 | 2.59 | 2.58 | 2.58 | 2.57 | 2.57 | |
| AC | 7 | 487 | 1.66 | 1.65 | 1.64 | 1.64 | 1.63 | 1.62 | 1.62 | 1.61 | 1.60 | 1.60 |
| AC | 7 | 497 | 1.59 | 1.58 | 1.58 | 1.57 | 1.56 | 1.56 | 1.55 | 1.54 | 1.54 | 1.53 |
| AC | 7 | 507 | 1.52 | 1.52 | 1.51 | 1.50 | 1.50 | 1.49 | 1.48 | 1.48 | 1.47 | 1.46 |
| AC | 7 | 517 | 1.46 | 1.45 | 1.44 | 1.44 | 1.43 | 1.42 | 1.42 | 1.41 | 1.40 | 1.40 |
| AC | 7 | 527 | 1.39 | 1.38 | 1.38 | 1.37 | 1.36 | 1.36 | 1.35 | 1.34 | 1.34 | 1.33 |
| AC | 7 | 537 | 1.32 | 1.32 | 1.31 | 1.30 | 1.30 | 1.29 | 1.29 | 1.28 | 1.27 | 1.50 |
| AC | 7 | 547 | 1.49 | 1.48 | 1.48 | 1.47 | 1.46 | 1.46 | 1.45 | 1.44 | 1.44 | 1.43 |
| AC | 7 | 557 | 1.42 | 1.42 | 1.41 | 1.41 | | | | | | |

INTERMEDIATE REPORT
Effective Total Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.65 | 1.65 |
| P6 | 1 | 11 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| P6 | 1 | 21 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| P6 | 1 | 31 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| P6 | 1 | 41 | 1.63 | 2.28 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| P6 | 1 | 51 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.25 | 2.25 | 2.25 | 2.25 |
| P6 | 1 | 61 | 2.25 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.23 | 2.23 |
| P6 | 1 | 71 | 2.23 | 2.23 | 2.23 | 2.23 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.21 |
| P6 | 1 | 81 | 2.21 | 2.81 | 2.81 | 2.81 | 2.80 | 2.80 | 2.80 | 2.80 | 2.79 | 2.79 |
| P6 | 1 | 91 | 2.79 | 2.79 | 3.25 | 3.25 | 3.25 | 3.25 | 3.24 | 3.24 | 3.24 | 3.24 |
| P6 | 1 | 101 | 3.23 | 3.23 | 3.23 | 3.22 | 3.22 | 3.22 | 3.22 | 3.21 | 3.21 | 3.21 |
| P6 | 1 | 111 | 3.20 | 3.20 | 3.20 | 3.19 | 3.19 | 3.19 | 3.18 | 3.18 | 3.18 | 3.18 |
| P6 | 1 | 121 | 3.17 | 3.17 | | | | | | | | |
| P5 | 3 | 203 | 3.83 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 |
| P5 | 3 | 213 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.94 | 3.94 | 3.94 |
| P5 | 3 | 223 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 |
| P5 | 3 | 233 | 3.95 | 3.95 | 3.95 | 4.24 | 4.24 | 4.24 | 4.24 | | | |
| P4 | 4 | 240 | 4.20 | 4.17 | 4.13 | 4.10 | 4.06 | 4.03 | 4.00 | 3.97 | 3.94 | 3.90 |
| P4 | 4 | 250 | 3.87 | 3.84 | 3.82 | 3.79 | 3.76 | 3.73 | 3.70 | 3.68 | 3.65 | 3.63 |
| P4 | 4 | 260 | 3.60 | 3.57 | 3.55 | 3.53 | 3.50 | 3.48 | 3.46 | 3.43 | 3.41 | 3.39 |
| P4 | 4 | 270 | 3.37 | 3.35 | 3.32 | 3.30 | 3.28 | 3.26 | 3.24 | 3.46 | 3.44 | 3.41 |
| P3 | 6 | 389 | 2.94 | 2.88 | 2.82 | 2.77 | 2.77 | 2.73 | 2.69 | 2.65 | 2.62 | 2.58 |
| P3 | 6 | 399 | 2.55 | 2.53 | 2.50 | 2.48 | 2.46 | 2.43 | 2.41 | 2.40 | 2.38 | 2.36 |
| P3 | 6 | 409 | 2.35 | 2.33 | 2.32 | 2.31 | 2.29 | 2.28 | 2.27 | 2.26 | 2.25 | 2.24 |
| P3 | 6 | 419 | 2.23 | 2.22 | 2.22 | 2.21 | 2.20 | 2.19 | 2.19 | 2.18 | 2.18 | 2.24 |
| P3 | 6 | 429 | 2.23 | 2.23 | 2.22 | 2.22 | 2.21 | 2.20 | 2.20 | 2.19 | 2.19 | 2.18 |
| P3 | 6 | 439 | 2.18 | 2.18 | 2.17 | 2.17 | 2.16 | 2.16 | 2.16 | 2.15 | 2.15 | 2.15 |
| P3 | 6 | 449 | 2.14 | 2.14 | 2.14 | 2.19 | 2.18 | 2.18 | 2.18 | 2.17 | 2.17 | 2.17 |
| P3 | 6 | 459 | 2.17 | 2.16 | 2.16 | 2.16 | 2.16 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| P3 | 6 | 469 | 2.15 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.13 | 2.13 |
| P3 | 6 | 479 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.12 | | |
| P2 | 8 | 561 | 2.11 | 2.12 | 2.12 | 2.13 | 2.14 | 2.16 | 2.15 | 2.15 | 2.15 | 2.15 |
| P2 | 8 | 571 | 2.15 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 |
| P2 | 8 | 581 | 2.14 | 2.14 | 2.14 | 2.15 | 2.15 | 2.14 | 2.14 | 2.14 | 2.13 | 2.13 |
| P2 | 8 | 591 | 2.13 | 2.12 | 2.12 | 2.11 | 2.10 | 2.09 | 2.08 | 2.07 | 2.05 | 2.03 |
| P2 | 8 | 601 | 2.01 | 1.98 | 1.94 | | | | | | | |
| P1 | 9 | 604 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 |
| P1 | 9 | 614 | 1.90 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 |
| P1 | 9 | 624 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 |
| P1 | 9 | 634 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.87 | 1.87 | 1.87 |
| P1 | 9 | 644 | 1.87 | 1.87 | 1.88 | 1.88 | 1.88 | 1.89 | 1.89 | 1.89 | 1.90 | 1.90 |
| P1 | 9 | 654 | 1.91 | 1.91 | 1.92 | 1.93 | 1.93 | 1.94 | 1.94 | 1.95 | 1.96 | 1.97 |
| P1 | 9 | 664 | 1.98 | 1.98 | 1.99 | 2.00 | 2.01 | 2.02 | | | | |
| PT | 2 | 123 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.12 | 4.12 |
| PT | 2 | 133 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 |
| PT | 2 | 143 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| PT | 2 | 153 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| PT | 2 | 163 | 4.11 | 4.11 | 4.11 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 |
| PT | 2 | 173 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 |
| PT | 2 | 183 | 4.10 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 |
| PT | 2 | 193 | 4.10 | 4.10 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 |
| EP | 5 | 280 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| EP | 5 | 290 | 1.34 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.32 |
| EP | 5 | 300 | 1.32 | 1.32 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 |
| EP | 5 | 310 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 | 1.88 |
| EP | 5 | 320 | 1.88 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.85 | 1.85 |
| EP | 5 | 330 | 1.85 | 1.84 | 1.84 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 | 1.86 |
| EP | 5 | 340 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 |
| EP | 5 | 350 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.91 | 2.75 | 2.74 |
| EP | 5 | 360 | 2.74 | 2.73 | 2.72 | 2.72 | 2.71 | 2.71 | 2.70 | 2.70 | 2.69 | 2.69 |
| EP | 5 | 370 | 2.68 | 2.68 | 2.67 | 2.66 | 2.66 | 2.65 | 2.65 | 2.64 | 2.64 | 2.63 |
| EP | 5 | 380 | 2.63 | 2.62 | 2.62 | 2.61 | 2.61 | 2.60 | 2.60 | 2.59 | 2.59 | |
| AC | 7 | 487 | 1.84 | 1.84 | 1.83 | 1.82 | 1.82 | 1.81 | 1.80 | 1.80 | 1.79 | 1.78 |
| AC | 7 | 497 | 1.78 | 1.77 | 1.77 | 1.76 | 1.75 | 1.74 | 1.74 | 1.73 | 1.72 | 1.72 |
| AC | 7 | 507 | 1.71 | 1.70 | 1.70 | 1.69 | 1.68 | 1.68 | 1.67 | 1.66 | 1.66 | 1.65 |
| AC | 7 | 517 | 1.64 | 1.64 | 1.63 | 1.62 | 1.62 | 1.61 | 1.60 | 1.60 | 1.59 | 1.58 |
| AC | 7 | 527 | 1.58 | 1.57 | 1.56 | 1.56 | 1.55 | 1.54 | 1.54 | 1.53 | 1.52 | 1.52 |
| AC | 7 | 537 | 1.51 | 1.50 | 1.50 | 1.49 | 1.49 | 1.48 | 1.47 | 1.47 | 1.46 | 1.68 |
| AC | 7 | 547 | 1.68 | 1.67 | 1.66 | 1.66 | 1.65 | 1.64 | 1.64 | 1.63 | 1.62 | 1.62 |
| AC | 7 | 557 | 1.61 | 1.61 | 1.60 | 1.59 | | | | | | |

INTERMEDIATE REPORT
Chlorophyll a
µg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 11 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 21 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 31 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 41 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 51 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 61 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 71 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 81 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 91 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 101 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 111 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 121 | 1.50 | 1.50 | | | | | | | | |
| P5 | 3 | 203 | 2.59 | 3.69 | 4.78 | 5.88 | 6.97 | 8.07 | 9.16 | 10.26 | 11.35 | 12.45 |
| P5 | 3 | 213 | 13.54 | 14.64 | 15.73 | 16.82 | 17.92 | 19.01 | 20.11 | 21.20 | 22.30 | 23.39 |
| P5 | 3 | 223 | 24.49 | 25.58 | 26.68 | 27.77 | 28.86 | 29.96 | 31.05 | 32.15 | 33.24 | 34.34 |
| P5 | 3 | 233 | 35.43 | 36.53 | 37.62 | 38.72 | 39.81 | 40.91 | 42.00 | | | |
| P4 | 4 | 240 | 41.01 | 40.01 | 39.02 | 38.03 | 37.03 | 36.04 | 35.04 | 34.05 | 33.06 | 32.06 |
| P4 | 4 | 250 | 31.07 | 30.08 | 29.08 | 28.09 | 27.09 | 26.10 | 25.11 | 24.11 | 23.12 | 22.12 |
| P4 | 4 | 260 | 21.13 | 20.14 | 19.14 | 18.15 | 17.16 | 16.16 | 15.17 | 14.18 | 13.18 | 12.19 |
| P4 | 4 | 270 | 11.19 | 10.20 | 9.21 | 8.21 | 7.22 | 6.23 | 5.23 | 4.24 | 3.24 | 2.25 |
| P3 | 6 | 389 | 2.45 | 2.65 | 2.85 | 3.06 | 3.26 | 3.46 | 3.66 | 3.86 | 4.06 | 4.27 |
| P3 | 6 | 399 | 4.47 | 4.67 | 4.87 | 5.07 | 5.27 | 5.47 | 5.68 | 5.88 | 6.08 | 6.28 |
| P3 | 6 | 409 | 6.48 | 6.68 | 6.89 | 7.09 | 7.29 | 7.49 | 7.69 | 7.89 | 8.09 | 8.30 |
| P3 | 6 | 419 | 8.50 | 8.70 | 8.90 | 9.10 | 9.30 | 9.51 | 9.71 | 9.91 | 10.11 | 10.31 |
| P3 | 6 | 429 | 10.51 | 10.71 | 10.92 | 11.12 | 11.32 | 11.52 | 11.72 | 11.92 | 12.12 | 12.33 |
| P3 | 6 | 439 | 12.53 | 12.73 | 12.93 | 13.13 | 13.33 | 13.54 | 13.74 | 13.94 | 14.14 | 14.34 |
| P3 | 6 | 449 | 14.54 | 14.74 | 14.95 | 15.15 | 15.35 | 15.55 | 15.75 | 15.95 | 16.16 | 16.36 |
| P3 | 6 | 459 | 16.56 | 16.76 | 16.96 | 17.16 | 17.36 | 17.57 | 17.77 | 17.97 | 18.17 | 18.37 |
| P3 | 6 | 469 | 18.57 | 18.78 | 18.98 | 19.18 | 19.38 | 19.58 | 19.78 | 19.98 | 20.19 | 20.39 |
| P3 | 6 | 479 | 20.59 | 20.79 | 20.99 | 21.19 | 21.40 | 21.60 | 21.80 | 22.00 | | |
| P2 | 8 | 561 | 21.93 | 21.86 | 21.79 | 21.72 | 21.65 | 21.58 | 21.51 | 21.44 | 21.37 | 21.30 |
| P2 | 8 | 571 | 21.23 | 21.16 | 21.09 | 21.02 | 20.95 | 20.88 | 20.81 | 20.74 | 20.67 | 20.60 |
| P2 | 8 | 581 | 20.53 | 20.47 | 20.40 | 20.33 | 20.26 | 20.19 | 20.12 | 20.05 | 19.98 | 19.91 |
| P2 | 8 | 591 | 19.84 | 19.77 | 19.70 | 19.63 | 19.56 | 19.49 | 19.42 | 19.35 | 19.28 | 19.21 |
| P2 | 8 | 601 | 19.14 | 19.07 | 19.00 | | | | | | | |
| P1 | 9 | 604 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 614 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 624 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 634 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 644 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 654 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 664 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | | | | |
| PT | 2 | 123 | 5.94 | 5.89 | 5.83 | 5.78 | 5.72 | 5.66 | 5.61 | 5.55 | 5.49 | 5.44 |
| PT | 2 | 133 | 5.38 | 5.32 | 5.27 | 5.21 | 5.16 | 5.10 | 5.04 | 4.99 | 4.93 | 4.88 |
| PT | 2 | 143 | 4.82 | 4.76 | 4.71 | 4.65 | 4.59 | 4.54 | 4.48 | 4.43 | 4.37 | 4.31 |
| PT | 2 | 153 | 4.26 | 4.20 | 4.14 | 4.09 | 4.03 | 3.98 | 3.92 | 3.86 | 3.81 | 3.75 |
| PT | 2 | 163 | 3.69 | 3.64 | 3.58 | 3.53 | 3.47 | 3.41 | 3.36 | 3.30 | 3.24 | 3.19 |
| PT | 2 | 173 | 3.13 | 3.08 | 3.02 | 2.96 | 2.91 | 2.85 | 2.79 | 2.74 | 2.68 | 2.62 |
| PT | 2 | 183 | 2.57 | 2.51 | 2.46 | 2.40 | 2.34 | 2.29 | 2.23 | 2.18 | 2.12 | 2.06 |
| PT | 2 | 193 | 2.01 | 1.95 | 1.89 | 1.84 | 1.78 | 1.72 | 1.67 | 1.61 | 1.56 | 1.50 |
| EP | 5 | 280 | 4.97 | 4.95 | 4.92 | 4.90 | 4.87 | 4.85 | 4.82 | 4.80 | 4.77 | 4.75 |
| EP | 5 | 290 | 4.72 | 4.70 | 4.67 | 4.65 | 4.62 | 4.60 | 4.57 | 4.55 | 4.52 | 4.50 |
| EP | 5 | 300 | 4.47 | 4.44 | 4.42 | 4.39 | 4.37 | 4.34 | 4.32 | 4.29 | 4.27 | 4.24 |
| EP | 5 | 310 | 4.22 | 4.19 | 4.17 | 4.14 | 4.12 | 4.09 | 4.07 | 4.04 | 4.02 | 3.99 |
| EP | 5 | 320 | 3.97 | 3.94 | 3.92 | 3.89 | 3.86 | 3.84 | 3.81 | 3.79 | 3.76 | 3.74 |
| EP | 5 | 330 | 3.71 | 3.69 | 3.66 | 3.64 | 3.61 | 3.59 | 3.56 | 3.54 | 3.51 | 3.49 |
| EP | 5 | 340 | 3.46 | 3.44 | 3.41 | 3.39 | 3.36 | 3.33 | 3.31 | 3.28 | 3.26 | 3.23 |
| EP | 5 | 350 | 3.21 | 3.18 | 3.16 | 3.13 | 3.11 | 3.08 | 3.06 | 3.03 | 3.01 | 2.98 |
| EP | 5 | 360 | 2.96 | 2.93 | 2.91 | 2.88 | 2.86 | 2.83 | 2.81 | 2.78 | 2.75 | 2.73 |
| EP | 5 | 370 | 2.70 | 2.68 | 2.65 | 2.63 | 2.60 | 2.58 | 2.55 | 2.53 | 2.50 | 2.48 |
| EP | 5 | 380 | 2.45 | 2.43 | 2.40 | 2.38 | 2.35 | 2.33 | 2.30 | 2.28 | 2.25 | |
| AC | 7 | 487 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 497 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 507 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 517 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 527 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 537 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 7 | 547 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 557 | 22.00 | 22.00 | 22.00 | 22.00 | | | | | | |

INTERMEDIATE REPORT
Temperature
deg C

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 11 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 21 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 31 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 41 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 51 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 61 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 71 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 81 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 91 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 101 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 111 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 121 | 20.00 | 20.00 | | | | | | | | |
| P5 | 3 | 203 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P5 | 3 | 213 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P5 | 3 | 223 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P5 | 3 | 233 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | | |
| P4 | 4 | 240 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P4 | 4 | 250 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P4 | 4 | 260 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P4 | 4 | 270 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 389 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 399 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 409 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 419 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 429 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 439 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 449 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 459 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 469 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 479 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | |
| P2 | 8 | 561 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P2 | 8 | 571 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P2 | 8 | 581 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P2 | 8 | 591 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P2 | 8 | 601 | 20.00 | 20.00 | 20.00 | | | | | | | |
| P1 | 9 | 604 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 614 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 624 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 634 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 644 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 654 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 664 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | | | |
| PT | 2 | 123 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 133 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 143 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 153 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 163 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 173 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 183 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 193 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 280 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 290 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 300 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 310 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 320 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 330 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 340 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 350 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 360 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 370 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 380 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | |
| AC | 7 | 487 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 497 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 507 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 7 | 517 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 527 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 537 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 547 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 557 | 20.00 | 20.00 | 20.00 | 20.00 | | | | | | |

INTERMEDIATE REPORT
Salinity
ppt

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 121 | 0.00 | 0.00 | | | | | | | | |
| P5 | 3 | 203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| P4 | 4 | 240 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 250 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 260 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 270 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 389 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 419 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 429 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 439 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 449 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 459 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 469 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 479 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| P2 | 8 | 561 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 571 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 581 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 591 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 601 | 0.00 | 0.00 | 0.00 | | | | | | | |
| P1 | 9 | 604 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 614 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 624 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 634 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 644 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 654 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 664 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| PT | 2 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 133 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 183 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 193 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 280 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 290 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 300 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 310 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 320 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 330 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 340 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 350 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 360 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 370 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 380 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 7 | 487 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 497 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 507 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 517 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 527 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 537 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 547 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 557 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT
River Distance
km

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. |
| P6 | 1 | 11 | 40. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. |
| P6 | 1 | 21 | 39. | 38. | 38. | 38. | 38. | 38. | 38. | 38. | 38. | 38. |
| P6 | 1 | 31 | 38. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. |
| P6 | 1 | 41 | 37. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. |
| P6 | 1 | 51 | 36. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. |
| P6 | 1 | 61 | 35. | 34. | 34. | 34. | 34. | 34. | 34. | 34. | 34. | 34. |
| P6 | 1 | 71 | 34. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. |
| P6 | 1 | 81 | 33. | 32. | 32. | 32. | 32. | 32. | 32. | 32. | 32. | 32. |
| P6 | 1 | 91 | 32. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. |
| P6 | 1 | 101 | 31. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. |
| P6 | 1 | 111 | 30. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. |
| P6 | 1 | 121 | 29. | 28. | | | | | | | | |
| P5 | 3 | 203 | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 27. | 27. |
| P5 | 3 | 213 | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 26. | 26. |
| P5 | 3 | 223 | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 25. | 25. |
| P5 | 3 | 233 | 25. | 25. | 25. | 25. | 25. | 25. | 25. | | | |
| P4 | 4 | 240 | 25. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. |
| P4 | 4 | 250 | 24. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. |
| P4 | 4 | 260 | 23. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. |
| P4 | 4 | 270 | 22. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. |
| P3 | 6 | 389 | 21. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. |
| P3 | 6 | 399 | 20. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. |
| P3 | 6 | 409 | 19. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. |
| P3 | 6 | 419 | 18. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. |
| P3 | 6 | 429 | 17. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. |
| P3 | 6 | 439 | 16. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. |
| P3 | 6 | 449 | 15. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. |
| P3 | 6 | 459 | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. |
| P3 | 6 | 469 | 13. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. |
| P3 | 6 | 479 | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | | |
| P2 | 8 | 561 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| P2 | 8 | 571 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| P2 | 8 | 581 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| P2 | 8 | 591 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| P2 | 8 | 601 | 7. | 7. | 7. | | | | | | | |
| P1 | 9 | 604 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| P1 | 9 | 614 | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| P1 | 9 | 624 | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| P1 | 9 | 634 | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| P1 | 9 | 644 | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| P1 | 9 | 654 | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 664 | 1. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 8. | 8. | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. |
| PT | 2 | 133 | 7. | 7. | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. |
| PT | 2 | 143 | 6. | 6. | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. |
| PT | 2 | 153 | 5. | 5. | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. |
| PT | 2 | 163 | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. |
| PT | 2 | 173 | 3. | 3. | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. |
| PT | 2 | 183 | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. |
| PT | 2 | 193 | 1. | 1. | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| EP | 5 | 290 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| EP | 5 | 300 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| EP | 5 | 310 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| EP | 5 | 320 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| EP | 5 | 330 | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| EP | 5 | 340 | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| EP | 5 | 350 | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 360 | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 370 | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| EP | 5 | 380 | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 6. |
| AC | 7 | 497 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 5. |
| AC | 7 | 507 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 4. |
| AC | 7 | 517 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 3. |
| AC | 7 | 527 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 2. |
| AC | 7 | 537 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 1. |
| AC | 7 | 547 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Flow
$m^3/s$

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 213 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 223 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 399 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 409 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 419 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 429 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 439 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 449 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 |
| P3 | 6 | 459 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 469 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 |
| P3 | 6 | 479 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | | |
| P2 | 8 | 561 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 8 | 571 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 8 | 581 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 8 | 591 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 8 | 601 | 0.6 | 0.6 | 0.6 | | | | | | | |
| P1 | 9 | 604 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 614 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 624 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 634 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 644 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 654 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 664 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Dispersion
$m^2/s$

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 233 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 399 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 409 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 419 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 429 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 439 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 449 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 459 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 469 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 479 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| P2 | 8 | 561 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 571 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 581 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 591 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 601 | 25.0 | 25.0 | 25.0 | | | | | | | |
| P1 | 9 | 604 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 614 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 624 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 634 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 644 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 654 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 664 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT

Depth
m

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 11 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 21 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 31 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 41 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 51 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 61 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 71 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 81 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 91 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 101 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 111 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 121 | 0.5 | 0.5 | | | | | | | | |
| P5 | 3 | 203 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 213 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 223 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 233 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | |
| P4 | 4 | 240 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 250 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 260 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P4 | 4 | 270 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 399 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 409 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 419 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 429 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 439 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 449 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 459 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 469 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 479 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | |
| P2 | 8 | 561 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 571 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 581 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 591 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 601 | 0.5 | 0.5 | 0.5 | | | | | | | |
| P1 | 9 | 604 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 614 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 624 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 634 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 644 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 654 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 664 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | | | | |
| PT | 2 | 123 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 133 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 143 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 153 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 163 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 173 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 183 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 290 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 300 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 310 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 320 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 330 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 340 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 350 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 360 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 370 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 380 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | |
| AC | 7 | 487 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 497 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 507 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 517 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 527 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 537 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 547 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 557 | 0.4 | 0.4 | 0.4 | 0.4 | | | | | | |

INTERMEDIATE REPORT
Width
m

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 11 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 21 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 31 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 41 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 51 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 61 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 71 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 81 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 91 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 101 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 111 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 121 | 2.7 | 2.7 | | | | | | | | |
| P5 | 3 | 203 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 213 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 223 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 233 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | | | |
| P4 | 4 | 240 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 250 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 260 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 270 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P3 | 6 | 389 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 399 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 409 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 419 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 429 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 439 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 449 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 459 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 469 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 479 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | | |
| P2 | 8 | 561 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 571 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 581 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 591 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 601 | 18.3 | 18.3 | 18.3 | | | | | | | |
| P1 | 9 | 604 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 614 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 624 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 634 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 644 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 654 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 664 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | | | | |
| PT | 2 | 123 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 133 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 143 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 153 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 163 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 173 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 183 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 193 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| EP | 5 | 280 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 290 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 300 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 310 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 320 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 330 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 340 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 350 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 360 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 370 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 380 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | |
| AC | 7 | 487 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 497 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 507 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 517 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 527 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 537 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 547 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 557 | 5.2 | 5.2 | 5.2 | 5.2 | | | | | | |

INTERMEDIATE REPORT
Advective Velocity
m/s

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 213 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 223 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 399 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 409 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 419 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P3 | 6 | 429 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| P3 | 6 | 439 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| P3 | 6 | 449 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P3 | 6 | 459 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P3 | 6 | 469 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| P3 | 6 | 479 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | | |
| P2 | 8 | 561 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 571 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 581 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 591 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 601 | 0.1 | 0.1 | 0.1 | | | | | | | |
| P1 | 9 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| PT | 2 | 123 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 133 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 143 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 153 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 163 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 173 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 183 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Mean Velocity
m/s

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 213 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 223 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 399 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 409 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 419 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P3 | 6 | 429 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| P3 | 6 | 439 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| P3 | 6 | 449 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P3 | 6 | 459 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P3 | 6 | 469 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| P3 | 6 | 479 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | | |
| P2 | 8 | 561 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 571 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 581 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 591 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 601 | 0.1 | 0.1 | 0.1 | | | | | | | |
| P1 | 9 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 9 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| PT | 2 | 123 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 133 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 143 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 153 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 163 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 173 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 183 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Cross-Sectional Area
$m^2$

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 11 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 21 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 31 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 41 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 51 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 61 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 71 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 81 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 91 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 101 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 111 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 121 | 1.3 | 1.3 | | | | | | | | |
| P5 | 3 | 203 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P5 | 3 | 213 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P5 | 3 | 223 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P5 | 3 | 233 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | | | |
| P4 | 4 | 240 | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| P4 | 4 | 250 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| P4 | 4 | 260 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| P4 | 4 | 270 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| P3 | 6 | 389 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 399 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 409 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 419 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 429 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 439 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 449 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 459 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 469 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 479 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| P2 | 8 | 561 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| P2 | 8 | 571 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| P2 | 8 | 581 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| P2 | 8 | 591 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| P2 | 8 | 601 | 9.1 | 9.1 | 9.1 | | | | | | | |
| P1 | 9 | 604 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 |
| P1 | 9 | 614 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 9 | 624 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| P1 | 9 | 634 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| P1 | 9 | 644 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| P1 | 9 | 654 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| P1 | 9 | 664 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | | | | |
| PT | 2 | 123 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 133 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 143 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 153 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 163 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 173 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 183 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 290 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 300 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 310 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 320 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 330 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 340 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 350 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 360 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 370 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 380 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | |
| AC | 7 | 487 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 497 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 507 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 517 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 527 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 537 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 547 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 557 | 2.2 | 2.2 | 2.2 | 2.2 | | | | | | |

INTERMEDIATE REPORT
Reaeration Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 |
| P6 | 1 | 11 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 |
| P6 | 1 | 21 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 |
| P6 | 1 | 31 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 |
| P6 | 1 | 41 | 2.162 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 |
| P6 | 1 | 51 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 |
| P6 | 1 | 61 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 |
| P6 | 1 | 71 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 |
| P6 | 1 | 81 | 2.176 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 |
| P6 | 1 | 91 | 2.191 | 2.191 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 |
| P6 | 1 | 101 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 |
| P6 | 1 | 111 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 |
| P6 | 1 | 121 | 2.204 | 2.204 | | | | | | | | |
| P5 | 3 | 203 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P5 | 3 | 213 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P5 | 3 | 223 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P5 | 3 | 233 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 9.124 | | | |
| P4 | 4 | 240 | 2.283 | 2.287 | 2.292 | 2.296 | 2.300 | 2.304 | 2.309 | 2.313 | 2.317 | 2.321 |
| P4 | 4 | 250 | 2.326 | 2.330 | 2.334 | 2.338 | 2.343 | 2.347 | 2.351 | 2.356 | 2.360 | 2.364 |
| P4 | 4 | 260 | 2.369 | 2.373 | 2.377 | 2.382 | 2.386 | 2.390 | 2.395 | 2.399 | 2.403 | 2.408 |
| P4 | 4 | 270 | 2.412 | 2.416 | 2.421 | 2.425 | 2.429 | 2.434 | 2.438 | 2.452 | 2.457 | 2.461 |
| P3 | 6 | 389 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 399 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 409 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 419 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 429 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 439 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 449 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 459 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 469 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 479 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | | |
| P2 | 8 | 561 | 1.411 | 1.411 | 1.411 | 1.411 | 1.411 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |
| P2 | 8 | 571 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |
| P2 | 8 | 581 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |
| P2 | 8 | 591 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2 | 8 | 601 | 1.410 | 1.410 | 1.409 | | | | | | | |
| P1 | 9 | 604 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.446 |
| P1 | 9 | 614 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 624 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 634 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 644 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 654 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 664 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | | | | |
| PT | 2 | 123 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 133 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 143 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 153 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 163 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 173 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 183 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 193 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| EP | 5 | 280 | 2.467 | 2.468 | 2.469 | 2.470 | 2.471 | 2.472 | 2.473 | 2.474 | 2.475 | 2.476 |
| EP | 5 | 290 | 2.477 | 2.478 | 2.479 | 2.480 | 2.481 | 2.483 | 2.484 | 2.485 | 2.486 | 2.487 |
| EP | 5 | 300 | 2.488 | 2.489 | 2.499 | 2.500 | 2.501 | 2.502 | 2.503 | 2.504 | 2.505 | 2.506 |
| EP | 5 | 310 | 2.507 | 2.508 | 2.509 | 2.510 | 2.511 | 2.513 | 2.514 | 2.515 | 2.516 | 2.522 |
| EP | 5 | 320 | 2.523 | 2.524 | 2.525 | 2.526 | 2.528 | 2.529 | 2.530 | 2.531 | 2.532 | 2.533 |
| EP | 5 | 330 | 2.534 | 2.535 | 2.536 | 2.538 | 2.539 | 2.540 | 2.541 | 2.542 | 2.543 | 2.544 |
| EP | 5 | 340 | 2.548 | 2.549 | 2.551 | 2.552 | 2.553 | 2.554 | 2.555 | 2.556 | 2.557 | 2.558 |
| EP | 5 | 350 | 2.559 | 2.560 | 2.561 | 2.563 | 2.564 | 2.565 | 2.566 | 2.567 | 2.604 | 2.605 |
| EP | 5 | 360 | 2.606 | 2.607 | 2.608 | 2.610 | 2.611 | 2.612 | 2.613 | 2.614 | 2.615 | 2.616 |
| EP | 5 | 370 | 2.617 | 2.618 | 2.620 | 2.621 | 2.622 | 2.623 | 2.624 | 2.625 | 2.626 | 2.627 |
| EP | 5 | 380 | 2.628 | 2.630 | 2.631 | 2.632 | 2.633 | 2.634 | 2.635 | 2.636 | 2.637 | |
| AC | 7 | 487 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 497 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 507 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 517 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 527 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 537 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.979 |
| AC | 7 | 547 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 |
| AC | 7 | 557 | 1.979 | 1.979 | 1.979 | 1.979 | | | | | | |

INTERMEDIATE REPORT
BOD1 Decay Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
BOD1 Settling Rate
m/d

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen Decay Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Sediment Oxygen Demand
g/m²/d

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |
| P2 | 8 | 561 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 571 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 581 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 591 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 601 | 1. | 1. | 1. | | | | | | | |
| P1 | 9 | 604 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 614 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 624 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 634 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 644 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 654 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 664 | 1. | 1. | 1. | 1. | 1. | 1. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 290 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 300 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 310 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 320 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 330 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 340 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 350 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 360 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 370 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 380 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | HDWTR | 0.028 | 20.00 | 0.0 | 6.85 | 15.84 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 0.00 | 0.00 | 1.5 | | | | | | | | | | | | | |
| 1 | P6 | 1 | 40.50 | 0.028 | 20.00 | 0.0 | 7.04 | 15.80 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 2 | P6 | 1 | 40.40 | 0.028 | 20.00 | 0.0 | 7.22 | 15.75 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 3 | P6 | 1 | 40.30 | 0.028 | 20.00 | 0.0 | 7.38 | 15.71 | 0.00 | 1.28 | 0.29 | 0.08 | 1.65 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 4 | P6 | 1 | 40.20 | 0.028 | 20.00 | 0.0 | 7.52 | 15.67 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 5 | P6 | 1 | 40.10 | 0.028 | 20.00 | 0.0 | 7.65 | 15.63 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 6 | P6 | 1 | 40.00 | 0.028 | 20.00 | 0.0 | 7.76 | 15.58 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 7 | P6 | 1 | 39.90 | 0.028 | 20.00 | 0.0 | 7.87 | 15.54 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 8 | P6 | 1 | 39.80 | 0.028 | 20.00 | 0.0 | 7.96 | 15.50 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 9 | P6 | 1 | 39.70 | 0.028 | 20.00 | 0.0 | 8.05 | 15.46 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 10 | P6 | 1 | 39.60 | 0.028 | 20.00 | 0.0 | 8.12 | 15.41 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 11 | P6 | 1 | 39.50 | 0.028 | 20.00 | 0.0 | 8.19 | 15.37 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 12 | P6 | 1 | 39.40 | 0.028 | 20.00 | 0.0 | 8.25 | 15.33 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 13 | P6 | 1 | 39.30 | 0.028 | 20.00 | 0.0 | 8.31 | 15.29 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 14 | P6 | 1 | 39.20 | 0.028 | 20.00 | 0.0 | 8.36 | 15.25 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 15 | P6 | 1 | 39.10 | 0.028 | 20.00 | 0.0 | 8.41 | 15.20 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 16 | P6 | 1 | 39.00 | 0.028 | 20.00 | 0.0 | 8.45 | 15.16 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 17 | P6 | 1 | 38.90 | 0.028 | 20.00 | 0.0 | 8.48 | 15.12 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 18 | P6 | 1 | 38.80 | 0.028 | 20.00 | 0.0 | 8.52 | 15.08 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 19 | P6 | 1 | 38.70 | 0.028 | 20.00 | 0.0 | 8.55 | 15.04 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 20 | P6 | 1 | 38.60 | 0.028 | 20.00 | 0.0 | 8.58 | 15.00 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |

WASTELOAD # 021 (LA0122424) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | P6 | 1 | 38.50 | 0.028 | 20.00 | 0.0 | 8.59 | 14.93 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 22 | P6 | 1 | 38.40 | 0.028 | 20.00 | 0.0 | 8.61 | 14.89 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 23 | P6 | 1 | 38.30 | 0.028 | 20.00 | 0.0 | 8.63 | 14.85 | 0.00 | 1.26 | 0.26 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 24 | P6 | 1 | 38.20 | 0.028 | 20.00 | 0.0 | 8.65 | 14.81 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 25 | P6 | 1 | 38.10 | 0.028 | 20.00 | 0.0 | 8.67 | 14.77 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 26 | P6 | 1 | 38.00 | 0.028 | 20.00 | 0.0 | 8.69 | 14.73 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 27 | P6 | 1 | 37.90 | 0.028 | 20.00 | 0.0 | 8.70 | 14.69 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 28 | P6 | 1 | 37.80 | 0.028 | 20.00 | 0.0 | 8.72 | 14.65 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 29 | P6 | 1 | 37.70 | 0.028 | 20.00 | 0.0 | 8.73 | 14.61 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 30 | P6 | 1 | 37.60 | 0.028 | 20.00 | 0.0 | 8.74 | 14.57 | 0.00 | 1.26 | 0.24 | 0.13 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 31 | P6 | 1 | 37.50 | 0.028 | 20.00 | 0.0 | 8.75 | 14.53 | 0.00 | 1.26 | 0.24 | 0.13 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 32 | P6 | 1 | 37.40 | 0.028 | 20.00 | 0.0 | 8.76 | 14.48 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 33 | P6 | 1 | 37.30 | 0.028 | 20.00 | 0.0 | 8.77 | 14.44 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 34 | P6 | 1 | 37.20 | 0.028 | 20.00 | 0.0 | 8.77 | 14.40 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 35 | P6 | 1 | 37.10 | 0.028 | 20.00 | 0.0 | 8.78 | 14.36 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 36 | P6 | 1 | 37.00 | 0.028 | 20.00 | 0.0 | 8.79 | 14.32 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 37 | P6 | 1 | 36.90 | 0.028 | 20.00 | 0.0 | 8.79 | 14.28 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 38 | P6 | 1 | 36.80 | 0.028 | 20.00 | 0.0 | 8.80 | 14.25 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 39 | P6 | 1 | 36.70 | 0.028 | 20.00 | 0.0 | 8.80 | 14.21 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 40 | P6 | 1 | 36.60 | 0.028 | 20.00 | 0.0 | 8.81 | 14.17 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 41 | P6 | 1 | 36.50 | 0.028 | 20.00 | 0.0 | 8.81 | 14.13 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |

WASTELOAD # 042 (Grp1-Rch1) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | P6 | 1 | 36.40 | 0.030 | 20.00 | 0.0 | 8.55 | 16.41 | 0.00 | 1.41 | 0.63 | 0.22 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 43 | P6 | 1 | 36.30 | 0.030 | 20.00 | 0.0 | 8.56 | 16.37 | 0.00 | 1.41 | 0.63 | 0.22 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 44 | P6 | 1 | 36.20 | 0.030 | 20.00 | 0.0 | 8.57 | 16.32 | 0.00 | 1.41 | 0.62 | 0.23 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 45 | P6 | 1 | 36.10 | 0.030 | 20.00 | 0.0 | 8.58 | 16.28 | 0.00 | 1.41 | 0.62 | 0.23 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 46 | P6 | 1 | 36.00 | 0.030 | 20.00 | 0.0 | 8.59 | 16.23 | 0.00 | 1.41 | 0.62 | 0.24 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 47 | P6 | 1 | 35.90 | 0.030 | 20.00 | 0.0 | 8.60 | 16.19 | 0.00 | 1.41 | 0.61 | 0.24 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 48 | P6 | 1 | 35.80 | 0.030 | 20.00 | 0.0 | 8.61 | 16.14 | 0.00 | 1.40 | 0.61 | 0.24 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 49 | P6 | 1 | 35.70 | 0.030 | 20.00 | 0.0 | 8.62 | 16.10 | 0.00 | 1.40 | 0.60 | 0.25 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 50 | P6 | 1 | 35.60 | 0.030 | 20.00 | 0.0 | 8.62 | 16.05 | 0.00 | 1.40 | 0.60 | 0.25 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 51 | P6 | 1 | 35.50 | 0.030 | 20.00 | 0.0 | 8.63 | 16.01 | 0.00 | 1.40 | 0.59 | 0.26 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 52 | P6 | 1 | 35.40 | 0.030 | 20.00 | 0.0 | 8.64 | 15.97 | 0.00 | 1.40 | 0.59 | 0.26 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 53 | P6 | 1 | 35.30 | 0.030 | 20.00 | 0.0 | 8.64 | 15.92 | 0.00 | 1.40 | 0.58 | 0.26 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 54 | P6 | 1 | 35.20 | 0.030 | 20.00 | 0.0 | 8.65 | 15.88 | 0.00 | 1.40 | 0.58 | 0.27 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 55 | P6 | 1 | 35.10 | 0.030 | 20.00 | 0.0 | 8.65 | 15.83 | 0.00 | 1.40 | 0.57 | 0.27 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 56 | P6 | 1 | 35.00 | 0.030 | 20.00 | 0.0 | 8.66 | 15.79 | 0.00 | 1.40 | 0.57 | 0.27 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 57 | P6 | 1 | 34.90 | 0.030 | 20.00 | 0.0 | 8.66 | 15.74 | 0.00 | 1.40 | 0.57 | 0.28 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 58 | P6 | 1 | 34.80 | 0.030 | 20.00 | 0.0 | 8.67 | 15.70 | 0.00 | 1.40 | 0.56 | 0.28 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 59 | P6 | 1 | 34.70 | 0.030 | 20.00 | 0.0 | 8.67 | 15.66 | 0.00 | 1.40 | 0.56 | 0.28 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 60 | P6 | 1 | 34.60 | 0.030 | 20.00 | 0.0 | 8.68 | 15.61 | 0.00 | 1.40 | 0.55 | 0.29 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 61 | P6 | 1 | 34.50 | 0.030 | 20.00 | 0.0 | 8.68 | 15.57 | 0.00 | 1.40 | 0.55 | 0.29 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 62 | P6 | 1 | 34.40 | 0.030 | 20.00 | 0.0 | 8.68 | 15.52 | 0.00 | 1.39 | 0.54 | 0.29 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 63 | P6 | 1 | 34.30 | 0.030 | 20.00 | 0.0 | 8.69 | 15.48 | 0.00 | 1.39 | 0.54 | 0.30 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 64 | P6 | 1 | 34.20 | 0.030 | 20.00 | 0.0 | 8.69 | 15.44 | 0.00 | 1.39 | 0.54 | 0.30 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 65 | P6 | 1 | 34.10 | 0.030 | 20.00 | 0.0 | 8.69 | 15.39 | 0.00 | 1.39 | 0.53 | 0.30 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 66 | P6 | 1 | 34.00 | 0.030 | 20.00 | 0.0 | 8.70 | 15.35 | 0.00 | 1.39 | 0.53 | 0.31 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 67 | P6 | 1 | 33.90 | 0.030 | 20.00 | 0.0 | 8.70 | 15.31 | 0.00 | 1.39 | 0.52 | 0.31 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 68 | P6 | 1 | 33.80 | 0.030 | 20.00 | 0.0 | 8.70 | 15.26 | 0.00 | 1.39 | 0.52 | 0.31 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 69 | P6 | 1 | 33.70 | 0.030 | 20.00 | 0.0 | 8.71 | 15.22 | 0.00 | 1.39 | 0.52 | 0.32 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 70 | P6 | 1 | 33.60 | 0.030 | 20.00 | 0.0 | 8.71 | 15.18 | 0.00 | 1.39 | 0.51 | 0.32 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 71 | P6 | 1 | 33.50 | 0.030 | 20.00 | 0.0 | 8.71 | 15.13 | 0.00 | 1.39 | 0.51 | 0.32 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | P6 | 1 | 33.40 | 0.030 | 20.00 | 0.0 | 8.71 | 15.09 | 0.00 | 1.39 | 0.50 | 0.32 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 73 | P6 | 1 | 33.30 | 0.030 | 20.00 | 0.0 | 8.72 | 15.05 | 0.00 | 1.39 | 0.50 | 0.33 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 74 | P6 | 1 | 33.20 | 0.030 | 20.00 | 0.0 | 8.72 | 15.00 | 0.00 | 1.39 | 0.50 | 0.33 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 75 | P6 | 1 | 33.10 | 0.030 | 20.00 | 0.0 | 8.72 | 14.96 | 0.00 | 1.39 | 0.49 | 0.33 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 76 | P6 | 1 | 33.00 | 0.030 | 20.00 | 0.0 | 8.72 | 14.92 | 0.00 | 1.39 | 0.49 | 0.33 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 77 | P6 | 1 | 32.90 | 0.030 | 20.00 | 0.0 | 8.73 | 14.88 | 0.00 | 1.38 | 0.49 | 0.34 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 78 | P6 | 1 | 32.80 | 0.030 | 20.00 | 0.0 | 8.73 | 14.83 | 0.00 | 1.38 | 0.48 | 0.34 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 79 | P6 | 1 | 32.70 | 0.030 | 20.00 | 0.0 | 8.73 | 14.79 | 0.00 | 1.38 | 0.48 | 0.34 | 2.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 80 | P6 | 1 | 32.60 | 0.030 | 20.00 | 0.0 | 8.73 | 14.75 | 0.00 | 1.38 | 0.48 | 0.34 | 2.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 81 | P6 | 1 | 32.50 | 0.030 | 20.00 | 0.0 | 8.73 | 14.71 | 0.00 | 1.38 | 0.47 | 0.35 | 2.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |

WASTELOAD # 082 (LAG541777) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | P6 | 1 | 32.40 | 0.031 | 20.00 | 0.0 | 8.48 | 16.88 | 0.00 | 1.53 | 0.85 | 0.42 | 2.80 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 83 | P6 | 1 | 32.30 | 0.031 | 20.00 | 0.0 | 8.49 | 16.83 | 0.00 | 1.53 | 0.84 | 0.42 | 2.80 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 84 | P6 | 1 | 32.20 | 0.031 | 20.00 | 0.0 | 8.50 | 16.78 | 0.00 | 1.53 | 0.84 | 0.43 | 2.79 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 85 | P6 | 1 | 32.10 | 0.031 | 20.00 | 0.0 | 8.51 | 16.73 | 0.00 | 1.53 | 0.83 | 0.43 | 2.79 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | P6 | 1 | 32.00 | 0.031 | 20.00 | 0.0 | 8.52 | 16.69 | 0.00 | 1.53 | 0.83 | 0.44 | 2.79 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 87 | P6 | 1 | 31.90 | 0.031 | 20.00 | 0.0 | 8.53 | 16.64 | 0.00 | 1.53 | 0.82 | 0.44 | 2.79 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 88 | P6 | 1 | 31.80 | 0.031 | 20.00 | 0.0 | 8.54 | 16.59 | 0.00 | 1.53 | 0.81 | 0.44 | 2.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 89 | P6 | 1 | 31.70 | 0.031 | 20.00 | 0.0 | 8.54 | 16.55 | 0.00 | 1.53 | 0.81 | 0.45 | 2.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 90 | P6 | 1 | 31.60 | 0.031 | 20.00 | 0.0 | 8.55 | 16.50 | 0.00 | 1.52 | 0.80 | 0.45 | 2.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 91 | P6 | 1 | 31.50 | 0.031 | 20.00 | 0.0 | 8.56 | 16.45 | 0.00 | 1.52 | 0.79 | 0.46 | 2.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 92 | P6 | 1 | 31.40 | 0.031 | 20.00 | 0.0 | 8.56 | 16.41 | 0.00 | 1.52 | 0.79 | 0.46 | 2.77 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| WASTELOAD # 093 (LAG541118) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | P6 | 1 | 31.30 | 0.032 | 20.00 | 0.0 | 8.36 | 18.09 | 0.00 | 1.64 | 1.08 | 0.52 | 3.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 94 | P6 | 1 | 31.20 | 0.032 | 20.00 | 0.0 | 8.37 | 18.04 | 0.00 | 1.64 | 1.08 | 0.53 | 3.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 95 | P6 | 1 | 31.10 | 0.032 | 20.00 | 0.0 | 8.39 | 17.99 | 0.00 | 1.64 | 1.07 | 0.53 | 3.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 96 | P6 | 1 | 31.00 | 0.032 | 20.00 | 0.0 | 8.40 | 17.94 | 0.00 | 1.63 | 1.06 | 0.54 | 3.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 97 | P6 | 1 | 30.90 | 0.032 | 20.00 | 0.0 | 8.41 | 17.89 | 0.00 | 1.63 | 1.05 | 0.54 | 3.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 98 | P6 | 1 | 30.80 | 0.032 | 20.00 | 0.0 | 8.42 | 17.84 | 0.00 | 1.63 | 1.04 | 0.55 | 3.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 99 | P6 | 1 | 30.70 | 0.032 | 20.00 | 0.0 | 8.43 | 17.79 | 0.00 | 1.63 | 1.04 | 0.56 | 3.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 100 | P6 | 1 | 30.60 | 0.032 | 20.00 | 0.0 | 8.44 | 17.74 | 0.00 | 1.63 | 1.03 | 0.56 | 3.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 101 | P6 | 1 | 30.50 | 0.032 | 20.00 | 0.0 | 8.44 | 17.70 | 0.00 | 1.63 | 1.02 | 0.57 | 3.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 102 | P6 | 1 | 30.40 | 0.032 | 20.00 | 0.0 | 8.45 | 17.65 | 0.00 | 1.63 | 1.01 | 0.57 | 3.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 103 | P6 | 1 | 30.30 | 0.032 | 20.00 | 0.0 | 8.46 | 17.60 | 0.00 | 1.63 | 1.01 | 0.58 | 3.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 104 | P6 | 1 | 30.20 | 0.032 | 20.00 | 0.0 | 8.47 | 17.55 | 0.00 | 1.63 | 1.00 | 0.58 | 3.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 105 | P6 | 1 | 30.10 | 0.032 | 20.00 | 0.0 | 8.47 | 17.50 | 0.00 | 1.63 | 0.99 | 0.59 | 3.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 106 | P6 | 1 | 30.00 | 0.032 | 20.00 | 0.0 | 8.48 | 17.45 | 0.00 | 1.63 | 0.98 | 0.60 | 3.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 107 | P6 | 1 | 29.90 | 0.032 | 20.00 | 0.0 | 8.48 | 17.40 | 0.00 | 1.63 | 0.98 | 0.60 | 3.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 108 | P6 | 1 | 29.80 | 0.032 | 20.00 | 0.0 | 8.49 | 17.35 | 0.00 | 1.63 | 0.97 | 0.61 | 3.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 109 | P6 | 1 | 29.70 | 0.032 | 20.00 | 0.0 | 8.50 | 17.30 | 0.00 | 1.63 | 0.96 | 0.61 | 3.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 110 | P6 | 1 | 29.60 | 0.032 | 20.00 | 0.0 | 8.50 | 17.25 | 0.00 | 1.62 | 0.95 | 0.62 | 3.19 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 111 | P6 | 1 | 29.50 | 0.032 | 20.00 | 0.0 | 8.51 | 17.20 | 0.00 | 1.62 | 0.95 | 0.62 | 3.19 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 112 | P6 | 1 | 29.40 | 0.032 | 20.00 | 0.0 | 8.51 | 17.15 | 0.00 | 1.62 | 0.94 | 0.63 | 3.19 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 113 | P6 | 1 | 29.30 | 0.032 | 20.00 | 0.0 | 8.52 | 17.10 | 0.00 | 1.62 | 0.93 | 0.63 | 3.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 114 | P6 | 1 | 29.20 | 0.032 | 20.00 | 0.0 | 8.52 | 17.05 | 0.00 | 1.62 | 0.93 | 0.63 | 3.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 115 | P6 | 1 | 29.10 | 0.032 | 20.00 | 0.0 | 8.53 | 17.00 | 0.00 | 1.62 | 0.92 | 0.64 | 3.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 116 | P6 | 1 | 29.00 | 0.032 | 20.00 | 0.0 | 8.53 | 16.96 | 0.00 | 1.62 | 0.91 | 0.64 | 3.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 117 | P6 | 1 | 28.90 | 0.032 | 20.00 | 0.0 | 8.53 | 16.91 | 0.00 | 1.62 | 0.91 | 0.65 | 3.17 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 118 | P6 | 1 | 28.80 | 0.032 | 20.00 | 0.0 | 8.54 | 16.86 | 0.00 | 1.62 | 0.90 | 0.65 | 3.17 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 119 | P6 | 1 | 28.70 | 0.032 | 20.00 | 0.0 | 8.54 | 16.81 | 0.00 | 1.62 | 0.89 | 0.66 | 3.17 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 120 | P6 | 1 | 28.60 | 0.032 | 20.00 | 0.0 | 8.55 | 16.76 | 0.00 | 1.62 | 0.89 | 0.66 | 3.16 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 121 | P6 | 1 | 28.50 | 0.032 | 20.00 | 0.0 | 8.55 | 16.71 | 0.00 | 1.62 | 0.88 | 0.66 | 3.16 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 122 | P6 | 1 | 28.40 | 0.032 | 20.00 | 0.0 | 8.55 | 16.66 | 0.00 | 1.62 | 0.87 | 0.67 | 3.16 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| TRIBUTARY # 123 (Pont. Trib.) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 203 | P5 | 3 | 28.30 | 0.068 | 20.00 | 0.0 | 8.56 | 18.79 | 0.00 | 2.70 | 0.67 | 0.44 | 3.80 | 0.00 | 0.00 | 2.6 | 0.0 | 0.18 | 3.3 | 0.113 | 0.113 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 204 | P5 | 3 | 28.20 | 0.069 | 20.00 | 0.0 | 8.59 | 18.71 | 0.00 | 2.69 | 0.66 | 0.44 | 3.79 | 0.00 | 0.00 | 3.7 | 0.0 | 0.18 | 3.3 | 0.114 | 0.114 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 205 | P5 | 3 | 28.10 | 0.069 | 20.00 | 0.0 | 8.62 | 18.64 | 0.00 | 2.69 | 0.66 | 0.44 | 3.78 | 0.00 | 0.00 | 4.8 | 0.0 | 0.18 | 3.3 | 0.114 | 0.114 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 206 | P5 | 3 | 28.00 | 0.069 | 20.00 | 0.0 | 8.65 | 18.56 | 0.00 | 2.68 | 0.65 | 0.43 | 3.77 | 0.00 | 0.00 | 5.9 | 0.0 | 0.18 | 3.3 | 0.115 | 0.115 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 207 | P5 | 3 | 27.90 | 0.070 | 20.00 | 0.0 | 8.67 | 18.49 | 0.00 | 2.68 | 0.65 | 0.43 | 3.76 | 0.00 | 0.00 | 7.0 | 0.0 | 0.18 | 3.3 | 0.116 | 0.116 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 208 | P5 | 3 | 27.80 | 0.070 | 20.00 | 0.0 | 8.70 | 18.41 | 0.00 | 2.67 | 0.65 | 0.43 | 3.75 | 0.00 | 0.00 | 8.1 | 0.0 | 0.18 | 3.3 | 0.116 | 0.116 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 209 | P5 | 3 | 27.70 | 0.070 | 20.00 | 0.0 | 8.72 | 18.34 | 0.00 | 2.67 | 0.64 | 0.43 | 3.74 | 0.00 | 0.00 | 9.2 | 0.0 | 0.18 | 3.3 | 0.117 | 0.117 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 210 | P5 | 3 | 27.60 | 0.071 | 20.00 | 0.0 | 8.74 | 18.27 | 0.00 | 2.66 | 0.64 | 0.43 | 3.73 | 0.00 | 0.00 | 10.3 | 0.0 | 0.18 | 3.3 | 0.117 | 0.117 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 211 | P5 | 3 | 27.50 | 0.071 | 20.00 | 0.0 | 8.76 | 18.20 | 0.00 | 2.66 | 0.64 | 0.43 | 3.72 | 0.00 | 0.00 | 11.4 | 0.0 | 0.18 | 3.3 | 0.118 | 0.118 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 212 | P5 | 3 | 27.40 | 0.072 | 20.00 | 0.0 | 8.77 | 18.13 | 0.00 | 2.66 | 0.63 | 0.42 | 3.71 | 0.00 | 0.00 | 12.4 | 0.0 | 0.18 | 3.3 | 0.118 | 0.118 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| WASTELOAD # 213 (Grp2-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 213 | P5 | 3 | 27.30 | 0.072 | 20.00 | 0.0 | 8.76 | 18.31 | 0.00 | 2.66 | 0.67 | 0.43 | 3.77 | 0.00 | 0.00 | 13.5 | 0.0 | 0.18 | 3.3 | 0.119 | 0.119 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 214 | P5 | 3 | 27.20 | 0.073 | 20.00 | 0.0 | 8.78 | 18.24 | 0.00 | 2.66 | 0.67 | 0.43 | 3.76 | 0.00 | 0.00 | 14.6 | 0.0 | 0.18 | 3.3 | 0.120 | 0.120 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 215 | P5 | 3 | 27.10 | 0.073 | 20.00 | 0.0 | 8.79 | 18.17 | 0.00 | 2.65 | 0.67 | 0.43 | 3.75 | 0.00 | 0.00 | 15.7 | 0.0 | 0.18 | 3.3 | 0.120 | 0.120 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 216 | P5 | 3 | 27.00 | 0.073 | 20.00 | 0.0 | 8.81 | 18.10 | 0.00 | 2.65 | 0.66 | 0.42 | 3.74 | 0.00 | 0.00 | 16.8 | 0.0 | 0.18 | 3.3 | 0.121 | 0.121 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 217 | P5 | 3 | 26.90 | 0.074 | 20.00 | 0.0 | 8.82 | 18.03 | 0.00 | 2.65 | 0.66 | 0.42 | 3.73 | 0.00 | 0.00 | 17.9 | 0.0 | 0.18 | 3.3 | 0.122 | 0.122 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 218 | P5 | 3 | 26.80 | 0.074 | 20.00 | 0.0 | 8.84 | 17.96 | 0.00 | 2.64 | 0.65 | 0.42 | 3.72 | 0.00 | 0.00 | 19.0 | 0.0 | 0.18 | 3.3 | 0.122 | 0.122 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 219 | P5 | 3 | 26.70 | 0.075 | 20.00 | 0.0 | 8.85 | 17.90 | 0.00 | 2.64 | 0.65 | 0.42 | 3.71 | 0.00 | 0.00 | 20.1 | 0.0 | 0.18 | 3.3 | 0.123 | 0.123 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| WASTELOAD # 220 (Grp3-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | P5 | 3 | 26.60 | 0.075 | 20.00 | 0.0 | 8.84 | 18.10 | 0.00 | 2.65 | 0.69 | 0.42 | 3.76 | 0.00 | 0.00 | 21.2 | 0.0 | 0.18 | 3.3 | 0.124 | 0.124 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | P5 | 3 | 26.50 | 0.076 | 20.00 | 0.0 | 8.85 | 18.03 | 0.00 | 2.64 | 0.69 | 0.42 | 3.75 | 0.00 | 0.00 | 22.3 | 0.0 | 0.18 | 3.3 | 0.124 | 0.124 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 222 | P5 | 3 | 26.40 | 0.076 | 20.00 | 0.0 | 8.86 | 17.96 | 0.00 | 2.64 | 0.68 | 0.42 | 3.74 | 0.00 | 0.00 | 23.4 | 0.0 | 0.18 | 3.3 | 0.125 | 0.125 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 223 | P5 | 3 | 26.30 | 0.076 | 20.00 | 0.0 | 8.87 | 17.90 | 0.00 | 2.63 | 0.68 | 0.42 | 3.73 | 0.00 | 0.00 | 24.5 | 0.0 | 0.18 | 3.3 | 0.125 | 0.125 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 224 | P5 | 3 | 26.20 | 0.077 | 20.00 | 0.0 | 8.88 | 17.84 | 0.00 | 2.63 | 0.68 | 0.42 | 3.72 | 0.00 | 0.00 | 25.6 | 0.0 | 0.18 | 3.3 | 0.126 | 0.126 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 225 | P5 | 3 | 26.10 | 0.077 | 20.00 | 0.0 | 8.90 | 17.77 | 0.00 | 2.63 | 0.67 | 0.42 | 3.71 | 0.00 | 0.00 | 26.7 | 0.0 | 0.18 | 3.3 | 0.126 | 0.126 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 226 | P5 | 3 | 26.00 | 0.078 | 20.00 | 0.0 | 8.91 | 17.71 | 0.00 | 2.62 | 0.67 | 0.41 | 3.70 | 0.00 | 0.00 | 27.8 | 0.0 | 0.18 | 3.3 | 0.127 | 0.127 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 227 | P5 | 3 | 25.90 | 0.078 | 20.00 | 0.0 | 8.92 | 17.65 | 0.00 | 2.62 | 0.67 | 0.41 | 3.70 | 0.00 | 0.00 | 28.9 | 0.0 | 0.18 | 3.3 | 0.127 | 0.127 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| WASTELOAD # 228 (LAG532004) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 228 | P5 | 3 | 25.80 | 0.078 | 20.00 | 0.0 | 8.92 | 17.62 | 0.00 | 2.62 | 0.67 | 0.41 | 3.69 | 0.00 | 0.00 | 30.0 | 0.0 | 0.18 | 3.3 | 0.128 | 0.128 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 229 | P5 | 3 | 25.70 | 0.079 | 20.00 | 0.0 | 8.93 | 17.56 | 0.00 | 2.61 | 0.66 | 0.41 | 3.68 | 0.00 | 0.00 | 31.1 | 0.0 | 0.18 | 3.3 | 0.129 | 0.129 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 230 | P5 | 3 | 25.60 | 0.079 | 20.00 | 0.0 | 8.94 | 17.50 | 0.00 | 2.61 | 0.66 | 0.41 | 3.68 | 0.00 | 0.00 | 32.1 | 0.0 | 0.18 | 3.3 | 0.129 | 0.129 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 231 | P5 | 3 | 25.50 | 0.079 | 20.00 | 0.0 | 8.95 | 17.44 | 0.00 | 2.60 | 0.66 | 0.41 | 3.67 | 0.00 | 0.00 | 33.2 | 0.0 | 0.18 | 3.3 | 0.130 | 0.130 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 232 | P5 | 3 | 25.40 | 0.080 | 20.00 | 0.0 | 8.96 | 17.38 | 0.00 | 2.60 | 0.65 | 0.40 | 3.66 | 0.00 | 0.00 | 34.3 | 0.0 | 0.18 | 3.3 | 0.130 | 0.130 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 233 | P5 | 3 | 25.30 | 0.080 | 20.00 | 0.0 | 8.96 | 17.32 | 0.00 | 2.60 | 0.65 | 0.40 | 3.65 | 0.00 | 0.00 | 35.4 | 0.0 | 0.18 | 3.3 | 0.131 | 0.131 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 234 | P5 | 3 | 25.20 | 0.081 | 20.00 | 0.0 | 8.97 | 17.26 | 0.00 | 2.59 | 0.65 | 0.40 | 3.64 | 0.00 | 0.00 | 36.5 | 0.0 | 0.18 | 3.3 | 0.131 | 0.131 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 235 | P5 | 3 | 25.10 | 0.081 | 20.00 | 0.0 | 8.98 | 17.20 | 0.00 | 2.59 | 0.64 | 0.40 | 3.63 | 0.00 | 0.00 | 37.6 | 0.0 | 0.18 | 3.3 | 0.132 | 0.132 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 236 (Grp4-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 236 | P5 | 3 | 25.00 | 0.084 | 20.00 | 0.0 | 8.86 | 18.21 | 0.00 | 2.62 | 0.85 | 0.44 | 3.91 | 0.00 | 0.00 | 38.7 | 0.0 | 0.18 | 3.3 | 0.136 | 0.136 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 237 | P5 | 3 | 24.90 | 0.084 | 20.00 | 0.0 | 8.88 | 18.15 | 0.00 | 2.62 | 0.84 | 0.44 | 3.90 | 0.00 | 0.00 | 39.8 | 0.0 | 0.18 | 3.3 | 0.136 | 0.136 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 238 | P5 | 3 | 24.80 | 0.085 | 20.00 | 0.0 | 8.89 | 18.09 | 0.00 | 2.62 | 0.84 | 0.44 | 3.89 | 0.00 | 0.00 | 40.9 | 0.0 | 0.18 | 3.3 | 0.137 | 0.137 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| | DIVERSION # 239 (YWRC) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 239 | P5 | 3 | 24.70 | 0.031 | 20.00 | 0.0 | 8.90 | 18.03 | 0.00 | 2.61 | 0.83 | 0.44 | 3.88 | 0.00 | 0.00 | 42.0 | 0.0 | 0.16 | 3.3 | 0.057 | 0.057 | 9.092 | 9.124 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 240 | P4 | 4 | 24.60 | 0.032 | 20.00 | 0.0 | 8.94 | 17.87 | 0.00 | 2.60 | 0.82 | 0.43 | 3.86 | 0.00 | 0.00 | 41.0 | 0.0 | 0.44 | 3.1 | 0.023 | 0.023 | 9.092 | 2.283 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 241 | P4 | 4 | 24.50 | 0.032 | 20.00 | 0.0 | 8.97 | 17.71 | 0.00 | 2.59 | 0.81 | 0.43 | 3.83 | 0.00 | 0.00 | 40.0 | 0.0 | 0.44 | 3.1 | 0.024 | 0.024 | 9.092 | 2.287 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 242 | P4 | 4 | 24.40 | 0.032 | 20.00 | 0.0 | 9.00 | 17.55 | 0.00 | 2.58 | 0.79 | 0.43 | 3.80 | 0.00 | 0.00 | 39.0 | 0.0 | 0.44 | 3.1 | 0.024 | 0.024 | 9.092 | 2.292 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 243 | P4 | 4 | 24.30 | 0.033 | 20.00 | 0.0 | 9.02 | 17.40 | 0.00 | 2.57 | 0.78 | 0.42 | 3.78 | 0.00 | 0.00 | 38.0 | 0.0 | 0.44 | 3.1 | 0.024 | 0.024 | 9.092 | 2.296 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 244 | P4 | 4 | 24.20 | 0.033 | 20.00 | 0.0 | 9.04 | 17.25 | 0.00 | 2.57 | 0.77 | 0.42 | 3.75 | 0.00 | 0.00 | 37.0 | 0.0 | 0.44 | 3.1 | 0.024 | 0.024 | 9.092 | 2.300 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 245 | P4 | 4 | 24.10 | 0.033 | 20.00 | 0.0 | 9.05 | 17.10 | 0.00 | 2.56 | 0.76 | 0.41 | 3.73 | 0.00 | 0.00 | 36.0 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.304 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 246 | P4 | 4 | 24.00 | 0.034 | 20.00 | 0.0 | 9.06 | 16.96 | 0.00 | 2.55 | 0.74 | 0.41 | 3.70 | 0.00 | 0.00 | 35.0 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.309 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 247 | P4 | 4 | 23.90 | 0.034 | 20.00 | 0.0 | 9.07 | 16.82 | 0.00 | 2.54 | 0.73 | 0.41 | 3.68 | 0.00 | 0.00 | 34.0 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.313 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 248 | P4 | 4 | 23.80 | 0.034 | 20.00 | 0.0 | 9.08 | 16.68 | 0.00 | 2.53 | 0.72 | 0.40 | 3.65 | 0.00 | 0.00 | 33.1 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.317 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 249 | P4 | 4 | 23.70 | 0.035 | 20.00 | 0.0 | 9.08 | 16.55 | 0.00 | 2.52 | 0.71 | 0.40 | 3.63 | 0.00 | 0.00 | 32.1 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.321 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 250 | P4 | 4 | 23.60 | 0.035 | 20.00 | 0.0 | 9.08 | 16.42 | 0.00 | 2.52 | 0.70 | 0.40 | 3.61 | 0.00 | 0.00 | 31.1 | 0.0 | 0.44 | 3.1 | 0.026 | 0.026 | 9.092 | 2.326 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 251 | P4 | 4 | 23.50 | 0.035 | 20.00 | 0.0 | 9.08 | 16.29 | 0.00 | 2.51 | 0.69 | 0.39 | 3.59 | 0.00 | 0.00 | 30.1 | 0.0 | 0.44 | 3.1 | 0.026 | 0.026 | 9.092 | 2.330 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 252 | P4 | 4 | 23.40 | 0.036 | 20.00 | 0.0 | 9.08 | 16.17 | 0.00 | 2.50 | 0.68 | 0.39 | 3.57 | 0.00 | 0.00 | 29.1 | 0.0 | 0.44 | 3.1 | 0.026 | 0.026 | 9.092 | 2.334 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 253 | P4 | 4 | 23.30 | 0.036 | 20.00 | 0.0 | 9.08 | 16.05 | 0.00 | 2.49 | 0.67 | 0.39 | 3.55 | 0.00 | 0.00 | 28.1 | 0.0 | 0.44 | 3.1 | 0.026 | 0.026 | 9.092 | 2.338 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 254 | P4 | 4 | 23.20 | 0.036 | 20.00 | 0.0 | 9.07 | 15.93 | 0.00 | 2.49 | 0.66 | 0.38 | 3.53 | 0.00 | 0.00 | 27.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.343 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 255 | P4 | 4 | 23.10 | 0.037 | 20.00 | 0.0 | 9.07 | 15.81 | 0.00 | 2.48 | 0.65 | 0.38 | 3.51 | 0.00 | 0.00 | 26.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.347 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 256 | P4 | 4 | 23.00 | 0.037 | 20.00 | 0.0 | 9.06 | 15.70 | 0.00 | 2.47 | 0.64 | 0.38 | 3.49 | 0.00 | 0.00 | 25.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.351 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 257 | P4 | 4 | 22.90 | 0.038 | 20.00 | 0.0 | 9.06 | 15.59 | 0.00 | 2.46 | 0.63 | 0.38 | 3.47 | 0.00 | 0.00 | 24.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.356 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 258 | P4 | 4 | 22.80 | 0.038 | 20.00 | 0.0 | 9.05 | 15.48 | 0.00 | 2.46 | 0.62 | 0.37 | 3.45 | 0.00 | 0.00 | 23.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.360 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 259 | P4 | 4 | 22.70 | 0.038 | 20.00 | 0.0 | 9.04 | 15.37 | 0.00 | 2.45 | 0.61 | 0.37 | 3.44 | 0.00 | 0.00 | 22.1 | 0.0 | 0.45 | 3.1 | 0.028 | 0.028 | 9.092 | 2.364 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 260 | P4 | 4 | 22.60 | 0.039 | 20.00 | 0.0 | 9.03 | 15.27 | 0.00 | 2.44 | 0.61 | 0.37 | 3.42 | 0.00 | 0.00 | 21.1 | 0.0 | 0.45 | 3.1 | 0.028 | 0.028 | 9.092 | 2.369 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 261 | P4 | 4 | 22.50 | 0.039 | 20.00 | 0.0 | 9.02 | 15.16 | 0.00 | 2.44 | 0.60 | 0.37 | 3.40 | 0.00 | 0.00 | 20.1 | 0.0 | 0.45 | 3.1 | 0.028 | 0.028 | 9.092 | 2.373 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 262 | P4 | 4 | 22.40 | 0.039 | 20.00 | 0.0 | 9.01 | 15.06 | 0.00 | 2.43 | 0.59 | 0.37 | 3.39 | 0.00 | 0.00 | 19.1 | 0.0 | 0.45 | 3.1 | 0.028 | 0.028 | 9.092 | 2.377 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 263 | P4 | 4 | 22.30 | 0.040 | 20.00 | 0.0 | 9.00 | 14.96 | 0.00 | 2.43 | 0.58 | 0.36 | 3.37 | 0.00 | 0.00 | 18.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.382 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 264 | P4 | 4 | 22.20 | 0.040 | 20.00 | 0.0 | 8.99 | 14.87 | 0.00 | 2.42 | 0.58 | 0.36 | 3.36 | 0.00 | 0.00 | 17.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.386 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 265 | P4 | 4 | 22.10 | 0.040 | 20.00 | 0.0 | 8.98 | 14.77 | 0.00 | 2.41 | 0.57 | 0.36 | 3.34 | 0.00 | 0.00 | 16.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.390 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 266 | P4 | 4 | 22.00 | 0.041 | 20.00 | 0.0 | 8.97 | 14.68 | 0.00 | 2.41 | 0.56 | 0.36 | 3.33 | 0.00 | 0.00 | 15.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.395 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 267 | P4 | 4 | 21.90 | 0.041 | 20.00 | 0.0 | 8.96 | 14.59 | 0.00 | 2.40 | 0.55 | 0.36 | 3.31 | 0.00 | 0.00 | 14.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.399 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 268 | P4 | 4 | 21.80 | 0.041 | 20.00 | 0.0 | 8.95 | 14.50 | 0.00 | 2.40 | 0.55 | 0.35 | 3.30 | 0.00 | 0.00 | 13.2 | 0.0 | 0.45 | 3.1 | 0.030 | 0.030 | 9.092 | 2.403 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 269 | P4 | 4 | 21.70 | 0.042 | 20.00 | 0.0 | 8.93 | 14.41 | 0.00 | 2.39 | 0.54 | 0.35 | 3.29 | 0.00 | 0.00 | 12.2 | 0.0 | 0.45 | 3.1 | 0.030 | 0.030 | 9.092 | 2.408 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 270 | P4 | 4 | 21.60 | 0.042 | 20.00 | 0.0 | 8.92 | 14.32 | 0.00 | 2.39 | 0.53 | 0.35 | 3.27 | 0.00 | 0.00 | 11.2 | 0.0 | 0.45 | 3.1 | 0.030 | 0.030 | 9.092 | 2.412 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 271 | P4 | 4 | 21.50 | 0.042 | 20.00 | 0.0 | 8.91 | 14.24 | 0.00 | 2.38 | 0.53 | 0.35 | 3.26 | 0.00 | 0.00 | 10.2 | 0.0 | 0.45 | 3.1 | 0.030 | 0.030 | 9.092 | 2.416 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 272 | P4 | 4 | 21.40 | 0.043 | 20.00 | 0.0 | 8.89 | 14.16 | 0.00 | 2.37 | 0.52 | 0.35 | 3.25 | 0.00 | 0.00 | 9.2 | 0.0 | 0.45 | 3.1 | 0.031 | 0.031 | 9.092 | 2.421 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 273 | P4 | 4 | 21.30 | 0.043 | 20.00 | 0.0 | 8.88 | 14.08 | 0.00 | 2.37 | 0.52 | 0.35 | 3.23 | 0.00 | 0.00 | 8.2 | 0.0 | 0.46 | 3.1 | 0.031 | 0.031 | 9.092 | 2.425 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 274 | P4 | 4 | 21.20 | 0.044 | 20.00 | 0.0 | 8.87 | 14.00 | 0.00 | 2.36 | 0.51 | 0.35 | 3.22 | 0.00 | 0.00 | 7.2 | 0.0 | 0.46 | 3.1 | 0.031 | 0.031 | 9.092 | 2.429 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 275 | P4 | 4 | 21.10 | 0.044 | 20.00 | 0.0 | 8.86 | 13.92 | 0.00 | 2.36 | 0.50 | 0.35 | 3.21 | 0.00 | 0.00 | 6.2 | 0.0 | 0.46 | 3.1 | 0.031 | 0.031 | 9.092 | 2.434 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 276 | P4 | 4 | 21.00 | 0.044 | 20.00 | 0.0 | 8.84 | 13.84 | 0.00 | 2.35 | 0.50 | 0.35 | 3.20 | 0.00 | 0.00 | 5.2 | 0.0 | 0.46 | 3.1 | 0.031 | 0.031 | 9.092 | 2.438 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 277 (Grp5-Rch4) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 277 | P4 | 4 | 20.90 | 0.045 | 20.00 | 0.0 | 8.72 | 14.69 | 0.00 | 2.39 | 0.65 | 0.37 | 3.42 | 0.00 | 0.00 | 4.2 | 0.0 | 0.46 | 3.1 | 0.032 | 0.032 | 9.092 | 2.452 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 278 | P4 | 4 | 20.80 | 0.046 | 20.00 | 0.0 | 8.71 | 14.60 | 0.00 | 2.39 | 0.64 | 0.37 | 3.41 | 0.00 | 0.00 | 3.2 | 0.0 | 0.46 | 3.1 | 0.032 | 0.032 | 9.092 | 2.457 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 279 | P4 | 4 | 20.70 | 0.046 | 20.00 | 0.0 | 8.70 | 14.52 | 0.00 | 2.38 | 0.64 | 0.37 | 3.40 | 0.00 | 0.00 | 2.2 | 0.0 | 0.46 | 3.1 | 0.033 | 0.033 | 9.092 | 2.461 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| | TRIBUTARY # 280 (East Pont.) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 389 | P3 | 6 | 20.60 | 0.094 | 20.00 | 0.0 | 7.70 | 15.03 | 0.00 | 1.86 | 0.64 | 0.43 | 2.92 | 0.00 | 0.00 | 2.5 | 0.0 | 0.13 | 3.2 | 0.234 | 0.234 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 390 | P3 | 6 | 20.50 | 0.099 | 20.00 | 0.0 | 7.71 | 15.79 | 0.00 | 1.81 | 0.62 | 0.43 | 2.86 | 0.00 | 0.00 | 2.7 | 0.0 | 0.13 | 3.2 | 0.245 | 0.245 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 391 | P3 | 6 | 20.40 | 0.104 | 20.00 | 0.0 | 7.71 | 16.48 | 0.00 | 1.77 | 0.60 | 0.42 | 2.80 | 0.00 | 0.00 | 2.9 | 0.0 | 0.13 | 3.2 | 0.256 | 0.256 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 392 | P3 | 6 | 20.30 | 0.109 | 20.00 | 0.0 | 7.72 | 17.10 | 0.00 | 1.74 | 0.59 | 0.42 | 2.75 | 0.00 | 0.00 | 3.1 | 0.0 | 0.13 | 3.2 | 0.267 | 0.267 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| | WASTELOAD # 393 (LAG541365) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 393 | P3 | 6 | 20.20 | 0.115 | 20.00 | 0.0 | 7.71 | 17.84 | 0.00 | 1.71 | 0.61 | 0.42 | 2.75 | 0.00 | 0.00 | 3.3 | 0.0 | 0.13 | 3.2 | 0.278 | 0.278 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 394 | P3 | 6 | 20.10 | 0.120 | 20.00 | 0.0 | 7.71 | 18.35 | 0.00 | 1.68 | 0.59 | 0.42 | 2.70 | 0.00 | 0.00 | 3.5 | 0.0 | 0.13 | 3.2 | 0.289 | 0.289 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 395 | P3 | 6 | 20.00 | 0.125 | 20.00 | 0.0 | 7.72 | 18.82 | 0.00 | 1.66 | 0.58 | 0.42 | 2.66 | 0.00 | 0.00 | 3.7 | 0.0 | 0.13 | 3.2 | 0.300 | 0.300 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 396 | P3 | 6 | 19.90 | 0.130 | 20.00 | 0.0 | 7.72 | 19.25 | 0.00 | 1.63 | 0.57 | 0.42 | 2.62 | 0.00 | 0.00 | 3.9 | 0.0 | 0.13 | 3.2 | 0.310 | 0.310 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 397 | P3 | 6 | 19.80 | 0.135 | 20.00 | 0.0 | 7.73 | 19.65 | 0.00 | 1.61 | 0.56 | 0.42 | 2.58 | 0.00 | 0.00 | 4.1 | 0.0 | 0.13 | 3.2 | 0.321 | 0.321 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398 | P3 6 | 19.70 | 0.140 | 20.00 | 0.0 | 7.73 | 20.01 | 0.00 | 1.58 | 0.55 | 0.42 | 2.55 | 0.00 | 0.00 | 4.3 | 0.0 | 0.13 | 3.2 | 0.332 | 0.332 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 399 | P3 6 | 19.60 | 0.145 | 20.00 | 0.0 | 7.74 | 20.36 | 0.00 | 1.56 | 0.54 | 0.41 | 2.52 | 0.00 | 0.00 | 4.5 | 0.0 | 0.13 | 3.2 | 0.342 | 0.342 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 400 | P3 6 | 19.50 | 0.151 | 20.00 | 0.0 | 7.74 | 20.68 | 0.00 | 1.54 | 0.53 | 0.41 | 2.49 | 0.00 | 0.00 | 4.7 | 0.0 | 0.13 | 3.2 | 0.352 | 0.352 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | P3 | 6 | 19.40 | 0.156 | 20.00 | 0.0 | 7.75 | 20.97 | 0.00 | 1.53 | 0.52 | 0.41 | 2.46 | 0.00 | 0.00 | 4.9 | 0.0 | 0.13 | 3.2 | 0.363 | 0.363 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 402 | P3 | 6 | 19.30 | 0.161 | 20.00 | 0.0 | 7.75 | 21.25 | 0.00 | 1.51 | 0.51 | 0.41 | 2.43 | 0.00 | 0.00 | 5.1 | 0.0 | 0.13 | 3.2 | 0.373 | 0.373 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 403 | P3 | 6 | 19.20 | 0.166 | 20.00 | 0.0 | 7.75 | 21.52 | 0.00 | 1.49 | 0.51 | 0.41 | 2.41 | 0.00 | 0.00 | 5.3 | 0.0 | 0.14 | 3.2 | 0.384 | 0.384 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 404 | P3 | 6 | 19.10 | 0.171 | 20.00 | 0.0 | 7.76 | 21.76 | 0.00 | 1.48 | 0.50 | 0.41 | 2.39 | 0.00 | 0.00 | 5.5 | 0.0 | 0.14 | 3.2 | 0.394 | 0.394 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 405 | P3 | 6 | 19.00 | 0.176 | 20.00 | 0.0 | 7.76 | 21.99 | 0.00 | 1.46 | 0.49 | 0.41 | 2.37 | 0.00 | 0.00 | 5.7 | 0.0 | 0.14 | 3.2 | 0.404 | 0.404 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 406 | P3 | 6 | 18.90 | 0.181 | 20.00 | 0.0 | 7.76 | 22.21 | 0.00 | 1.45 | 0.49 | 0.41 | 2.35 | 0.00 | 0.00 | 5.9 | 0.0 | 0.14 | 3.2 | 0.414 | 0.414 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 407 | P3 | 6 | 18.80 | 0.186 | 20.00 | 0.0 | 7.77 | 22.42 | 0.00 | 1.44 | 0.48 | 0.41 | 2.33 | 0.00 | 0.00 | 6.1 | 0.0 | 0.14 | 3.2 | 0.424 | 0.424 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 408 | P3 | 6 | 18.70 | 0.191 | 20.00 | 0.0 | 7.77 | 22.61 | 0.00 | 1.43 | 0.48 | 0.40 | 2.31 | 0.00 | 0.00 | 6.3 | 0.0 | 0.14 | 3.2 | 0.434 | 0.434 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 409 | P3 | 6 | 18.60 | 0.196 | 20.00 | 0.0 | 7.77 | 22.80 | 0.00 | 1.42 | 0.47 | 0.40 | 2.29 | 0.00 | 0.00 | 6.5 | 0.0 | 0.14 | 3.2 | 0.445 | 0.445 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 410 | P3 | 6 | 18.50 | 0.202 | 20.00 | 0.0 | 7.78 | 22.98 | 0.00 | 1.41 | 0.47 | 0.40 | 2.28 | 0.00 | 0.00 | 6.7 | 0.0 | 0.14 | 3.2 | 0.455 | 0.455 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 411 | P3 | 6 | 18.40 | 0.207 | 20.00 | 0.0 | 7.78 | 23.14 | 0.00 | 1.40 | 0.46 | 0.40 | 2.26 | 0.00 | 0.00 | 6.9 | 0.0 | 0.14 | 3.2 | 0.465 | 0.465 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 412 | P3 | 6 | 18.30 | 0.212 | 20.00 | 0.0 | 7.78 | 23.30 | 0.00 | 1.39 | 0.46 | 0.40 | 2.25 | 0.00 | 0.00 | 7.1 | 0.0 | 0.14 | 3.2 | 0.475 | 0.475 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 413 | P3 | 6 | 18.20 | 0.217 | 20.00 | 0.0 | 7.78 | 23.45 | 0.00 | 1.38 | 0.45 | 0.40 | 2.23 | 0.00 | 0.00 | 7.3 | 0.0 | 0.14 | 3.2 | 0.485 | 0.485 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 414 | P3 | 6 | 18.10 | 0.222 | 20.00 | 0.0 | 7.79 | 23.60 | 0.00 | 1.37 | 0.45 | 0.40 | 2.22 | 0.00 | 0.00 | 7.5 | 0.0 | 0.14 | 3.2 | 0.495 | 0.495 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 415 | P3 | 6 | 18.00 | 0.227 | 20.00 | 0.0 | 7.79 | 23.74 | 0.00 | 1.36 | 0.45 | 0.40 | 2.21 | 0.00 | 0.00 | 7.7 | 0.0 | 0.14 | 3.2 | 0.504 | 0.504 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 416 | P3 | 6 | 17.90 | 0.232 | 20.00 | 0.0 | 7.79 | 23.87 | 0.00 | 1.35 | 0.44 | 0.40 | 2.19 | 0.00 | 0.00 | 7.9 | 0.0 | 0.14 | 3.2 | 0.514 | 0.514 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 417 | P3 | 6 | 17.80 | 0.237 | 20.00 | 0.0 | 7.79 | 23.99 | 0.00 | 1.34 | 0.44 | 0.40 | 2.18 | 0.00 | 0.00 | 8.1 | 0.0 | 0.14 | 3.2 | 0.524 | 0.524 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 418 | P3 | 6 | 17.70 | 0.242 | 20.00 | 0.0 | 7.80 | 24.12 | 0.00 | 1.34 | 0.44 | 0.40 | 2.17 | 0.00 | 0.00 | 8.3 | 0.0 | 0.14 | 3.2 | 0.534 | 0.534 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 419 | P3 | 6 | 17.60 | 0.247 | 20.00 | 0.0 | 7.80 | 24.23 | 0.00 | 1.33 | 0.43 | 0.40 | 2.16 | 0.00 | 0.00 | 8.5 | 0.0 | 0.14 | 3.2 | 0.544 | 0.544 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 420 | P3 | 6 | 17.50 | 0.253 | 20.00 | 0.0 | 7.80 | 24.34 | 0.00 | 1.32 | 0.43 | 0.40 | 2.15 | 0.00 | 0.00 | 8.7 | 0.0 | 0.14 | 3.2 | 0.554 | 0.554 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 421 | P3 | 6 | 17.40 | 0.258 | 20.00 | 0.0 | 7.80 | 24.45 | 0.00 | 1.32 | 0.43 | 0.40 | 2.14 | 0.00 | 0.00 | 8.9 | 0.0 | 0.14 | 3.2 | 0.563 | 0.563 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 422 | P3 | 6 | 17.30 | 0.263 | 20.00 | 0.0 | 7.80 | 24.55 | 0.00 | 1.31 | 0.42 | 0.40 | 2.13 | 0.00 | 0.00 | 9.1 | 0.0 | 0.14 | 3.2 | 0.573 | 0.573 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 423 | P3 | 6 | 17.20 | 0.268 | 20.00 | 0.0 | 7.81 | 24.65 | 0.00 | 1.31 | 0.42 | 0.40 | 2.12 | 0.00 | 0.00 | 9.3 | 0.0 | 0.14 | 3.2 | 0.583 | 0.583 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 424 | P3 | 6 | 17.10 | 0.273 | 20.00 | 0.0 | 7.81 | 24.75 | 0.00 | 1.30 | 0.42 | 0.39 | 2.11 | 0.00 | 0.00 | 9.5 | 0.0 | 0.14 | 3.2 | 0.592 | 0.592 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 425 | P3 | 6 | 17.00 | 0.278 | 20.00 | 0.0 | 7.81 | 24.84 | 0.00 | 1.29 | 0.42 | 0.39 | 2.11 | 0.00 | 0.00 | 9.7 | 0.0 | 0.14 | 3.2 | 0.602 | 0.602 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 426 | P3 | 6 | 16.90 | 0.283 | 20.00 | 0.0 | 7.81 | 24.93 | 0.00 | 1.29 | 0.41 | 0.39 | 2.10 | 0.00 | 0.00 | 9.9 | 0.0 | 0.14 | 3.2 | 0.612 | 0.612 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 427 | P3 | 6 | 16.80 | 0.288 | 20.00 | 0.0 | 7.81 | 25.01 | 0.00 | 1.28 | 0.41 | 0.39 | 2.09 | 0.00 | 0.00 | 10.1 | 0.0 | 0.15 | 3.2 | 0.621 | 0.621 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| WASTELOAD # 428 (Grp9-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 428 | P3 | 6 | 16.70 | 0.295 | 20.00 | 0.0 | 7.79 | 25.27 | 0.00 | 1.29 | 0.46 | 0.40 | 2.15 | 0.00 | 0.00 | 10.3 | 0.0 | 0.15 | 3.2 | 0.634 | 0.634 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 429 | P3 | 6 | 16.60 | 0.300 | 20.00 | 0.0 | 7.79 | 25.34 | 0.00 | 1.29 | 0.45 | 0.40 | 2.14 | 0.00 | 0.00 | 10.5 | 0.0 | 0.15 | 3.2 | 0.644 | 0.644 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 430 | P3 | 6 | 16.50 | 0.305 | 20.00 | 0.0 | 7.79 | 25.42 | 0.00 | 1.28 | 0.45 | 0.40 | 2.14 | 0.00 | 0.00 | 10.7 | 0.0 | 0.15 | 3.2 | 0.653 | 0.653 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 431 | P3 | 6 | 16.40 | 0.311 | 20.00 | 0.0 | 7.79 | 25.49 | 0.00 | 1.28 | 0.45 | 0.40 | 2.13 | 0.00 | 0.00 | 10.9 | 0.0 | 0.15 | 3.2 | 0.663 | 0.663 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 432 | P3 | 6 | 16.30 | 0.316 | 20.00 | 0.0 | 7.80 | 25.56 | 0.00 | 1.28 | 0.44 | 0.40 | 2.12 | 0.00 | 0.00 | 11.1 | 0.0 | 0.15 | 3.2 | 0.672 | 0.672 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 433 | P3 | 6 | 16.20 | 0.321 | 20.00 | 0.0 | 7.80 | 25.62 | 0.00 | 1.27 | 0.44 | 0.40 | 2.11 | 0.00 | 0.00 | 11.3 | 0.0 | 0.15 | 3.2 | 0.682 | 0.682 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 434 | P3 | 6 | 16.10 | 0.326 | 20.00 | 0.0 | 7.80 | 25.69 | 0.00 | 1.27 | 0.44 | 0.40 | 2.11 | 0.00 | 0.00 | 11.5 | 0.0 | 0.15 | 3.2 | 0.691 | 0.691 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 435 | P3 | 6 | 16.00 | 0.331 | 20.00 | 0.0 | 7.80 | 25.75 | 0.00 | 1.26 | 0.44 | 0.40 | 2.10 | 0.00 | 0.00 | 11.7 | 0.0 | 0.15 | 3.2 | 0.701 | 0.701 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 436 | P3 | 6 | 15.90 | 0.336 | 20.00 | 0.0 | 7.81 | 25.81 | 0.00 | 1.26 | 0.43 | 0.40 | 2.09 | 0.00 | 0.00 | 11.9 | 0.0 | 0.15 | 3.2 | 0.710 | 0.710 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 437 | P3 | 6 | 15.80 | 0.341 | 20.00 | 0.0 | 7.81 | 25.87 | 0.00 | 1.25 | 0.43 | 0.40 | 2.09 | 0.00 | 0.00 | 12.1 | 0.0 | 0.15 | 3.2 | 0.719 | 0.719 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 438 | P3 | 6 | 15.70 | 0.346 | 20.00 | 0.0 | 7.81 | 25.92 | 0.00 | 1.25 | 0.43 | 0.40 | 2.08 | 0.00 | 0.00 | 12.3 | 0.0 | 0.15 | 3.2 | 0.729 | 0.729 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 439 | P3 | 6 | 15.60 | 0.351 | 20.00 | 0.0 | 7.81 | 25.98 | 0.00 | 1.25 | 0.43 | 0.40 | 2.07 | 0.00 | 0.00 | 12.5 | 0.0 | 0.15 | 3.2 | 0.738 | 0.738 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 440 | P3 | 6 | 15.50 | 0.356 | 20.00 | 0.0 | 7.82 | 26.03 | 0.00 | 1.24 | 0.43 | 0.40 | 2.07 | 0.00 | 0.00 | 12.7 | 0.0 | 0.15 | 3.2 | 0.748 | 0.748 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 441 | P3 | 6 | 15.40 | 0.362 | 20.00 | 0.0 | 7.82 | 26.08 | 0.00 | 1.24 | 0.42 | 0.40 | 2.06 | 0.00 | 0.00 | 12.9 | 0.0 | 0.15 | 3.2 | 0.757 | 0.757 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 442 | P3 | 6 | 15.30 | 0.367 | 20.00 | 0.0 | 7.82 | 26.14 | 0.00 | 1.24 | 0.42 | 0.40 | 2.06 | 0.00 | 0.00 | 13.1 | 0.0 | 0.15 | 3.2 | 0.766 | 0.766 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 443 | P3 | 6 | 15.20 | 0.372 | 20.00 | 0.0 | 7.82 | 26.18 | 0.00 | 1.23 | 0.42 | 0.40 | 2.05 | 0.00 | 0.00 | 13.3 | 0.0 | 0.15 | 3.2 | 0.775 | 0.775 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 444 | P3 | 6 | 15.10 | 0.377 | 20.00 | 0.0 | 7.82 | 26.23 | 0.00 | 1.23 | 0.42 | 0.40 | 2.04 | 0.00 | 0.00 | 13.5 | 0.0 | 0.15 | 3.2 | 0.785 | 0.785 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 445 | P3 | 6 | 15.00 | 0.382 | 20.00 | 0.0 | 7.83 | 26.28 | 0.00 | 1.23 | 0.42 | 0.40 | 2.04 | 0.00 | 0.00 | 13.7 | 0.0 | 0.15 | 3.2 | 0.794 | 0.794 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 446 | P3 | 6 | 14.90 | 0.387 | 20.00 | 0.0 | 7.83 | 26.32 | 0.00 | 1.22 | 0.41 | 0.40 | 2.03 | 0.00 | 0.00 | 13.9 | 0.0 | 0.15 | 3.2 | 0.803 | 0.803 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 447 | P3 | 6 | 14.80 | 0.392 | 20.00 | 0.0 | 7.83 | 26.37 | 0.00 | 1.22 | 0.41 | 0.40 | 2.03 | 0.00 | 0.00 | 14.1 | 0.0 | 0.15 | 3.2 | 0.812 | 0.812 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 448 | P3 | 6 | 14.70 | 0.397 | 20.00 | 0.0 | 7.83 | 26.41 | 0.00 | 1.22 | 0.41 | 0.39 | 2.02 | 0.00 | 0.00 | 14.3 | 0.0 | 0.15 | 3.2 | 0.822 | 0.822 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 449 | P3 | 6 | 14.60 | 0.402 | 20.00 | 0.0 | 7.83 | 26.45 | 0.00 | 1.22 | 0.41 | 0.39 | 2.02 | 0.00 | 0.00 | 14.5 | 0.0 | 0.15 | 3.2 | 0.831 | 0.831 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 450 | P3 | 6 | 14.50 | 0.407 | 20.00 | 0.0 | 7.83 | 26.49 | 0.00 | 1.21 | 0.41 | 0.39 | 2.02 | 0.00 | 0.00 | 14.7 | 0.0 | 0.15 | 3.2 | 0.840 | 0.840 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 451 | P3 | 6 | 14.40 | 0.413 | 20.00 | 0.0 | 7.84 | 26.53 | 0.00 | 1.21 | 0.41 | 0.39 | 2.01 | 0.00 | 0.00 | 14.9 | 0.0 | 0.15 | 3.2 | 0.849 | 0.849 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| WASTELOAD # 452 (Grp10-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 452 | P3 | 6 | 14.30 | 0.420 | 20.00 | 0.0 | 7.82 | 26.69 | 0.00 | 1.22 | 0.44 | 0.40 | 2.06 | 0.00 | 0.00 | 15.1 | 0.0 | 0.15 | 3.2 | 0.862 | 0.862 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 453 | P3 | 6 | 14.20 | 0.425 | 20.00 | 0.0 | 7.82 | 26.73 | 0.00 | 1.22 | 0.44 | 0.40 | 2.05 | 0.00 | 0.00 | 15.3 | 0.0 | 0.15 | 3.2 | 0.871 | 0.871 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 454 | P3 | 6 | 14.10 | 0.430 | 20.00 | 0.0 | 7.82 | 26.76 | 0.00 | 1.21 | 0.43 | 0.40 | 2.05 | 0.00 | 0.00 | 15.6 | 0.0 | 0.15 | 3.2 | 0.880 | 0.880 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 455 | P3 | 6 | 14.00 | 0.435 | 20.00 | 0.0 | 7.82 | 26.80 | 0.00 | 1.21 | 0.43 | 0.40 | 2.04 | 0.00 | 0.00 | 15.8 | 0.0 | 0.15 | 3.2 | 0.889 | 0.889 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| WASTELOAD # 456 (Grp11-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 456 | P3 | 6 | 13.90 | 0.440 | 20.00 | 0.0 | 7.82 | 26.82 | 0.00 | 1.21 | 0.43 | 0.40 | 2.04 | 0.00 | 0.00 | 16.0 | 0.0 | 0.15 | 3.2 | 0.898 | 0.898 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 457 | P3 | 6 | 13.80 | 0.445 | 20.00 | 0.0 | 7.82 | 26.85 | 0.00 | 1.21 | 0.43 | 0.40 | 2.03 | 0.00 | 0.00 | 16.2 | 0.0 | 0.15 | 3.2 | 0.907 | 0.907 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 458 | P3 | 6 | 13.70 | 0.450 | 20.00 | 0.0 | 7.83 | 26.88 | 0.00 | 1.20 | 0.43 | 0.40 | 2.03 | 0.00 | 0.00 | 16.4 | 0.0 | 0.15 | 3.2 | 0.917 | 0.917 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 459 | P3 | 6 | 13.60 | 0.455 | 20.00 | 0.0 | 7.83 | 26.92 | 0.00 | 1.20 | 0.42 | 0.40 | 2.03 | 0.00 | 0.00 | 16.6 | 0.0 | 0.15 | 3.2 | 0.926 | 0.926 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 460 | P3 | 6 | 13.50 | 0.461 | 20.00 | 0.0 | 7.83 | 26.95 | 0.00 | 1.20 | 0.42 | 0.40 | 2.02 | 0.00 | 0.00 | 16.8 | 0.0 | 0.15 | 3.2 | 0.935 | 0.935 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 461 | P3 | 6 | 13.40 | 0.466 | 20.00 | 0.0 | 7.83 | 26.98 | 0.00 | 1.20 | 0.42 | 0.40 | 2.02 | 0.00 | 0.00 | 17.0 | 0.0 | 0.15 | 3.2 | 0.944 | 0.944 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 462 | P3 | 6 | 13.30 | 0.471 | 20.00 | 0.0 | 7.83 | 27.01 | 0.00 | 1.20 | 0.42 | 0.40 | 2.01 | 0.00 | 0.00 | 17.2 | 0.0 | 0.15 | 3.2 | 0.953 | 0.953 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 463 | P3 | 6 | 13.20 | 0.476 | 20.00 | 0.0 | 7.84 | 27.03 | 0.00 | 1.19 | 0.42 | 0.40 | 2.01 | 0.00 | 0.00 | 17.4 | 0.0 | 0.15 | 3.2 | 0.962 | 0.962 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 464 | P3 | 6 | 13.10 | 0.481 | 20.00 | 0.0 | 7.84 | 27.06 | 0.00 | 1.19 | 0.42 | 0.40 | 2.01 | 0.00 | 0.00 | 17.6 | 0.0 | 0.15 | 3.2 | 0.971 | 0.971 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 465 | P3 | 6 | 13.00 | 0.486 | 20.00 | 0.0 | 7.84 | 27.09 | 0.00 | 1.19 | 0.42 | 0.40 | 2.00 | 0.00 | 0.00 | 17.8 | 0.0 | 0.16 | 3.2 | 0.980 | 0.980 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 466 | P3 | 6 | 12.90 | 0.491 | 20.00 | 0.0 | 7.84 | 27.12 | 0.00 | 1.19 | 0.41 | 0.40 | 2.00 | 0.00 | 0.00 | 18.0 | 0.0 | 0.16 | 3.2 | 0.989 | 0.989 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 467 | P3 | 6 | 12.80 | 0.496 | 20.00 | 0.0 | 7.84 | 27.14 | 0.00 | 1.19 | 0.41 | 0.40 | 1.99 | 0.00 | 0.00 | 18.2 | 0.0 | 0.16 | 3.2 | 0.998 | 0.998 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 468 | P3 | 6 | 12.70 | 0.501 | 20.00 | 0.0 | 7.85 | 27.17 | 0.00 | 1.18 | 0.41 | 0.40 | 1.99 | 0.00 | 0.00 | 18.4 | 0.0 | 0.16 | 3.2 | 1.007 | 1.007 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |

CAPSULE SUMMARY FOR Pont. Creek

| | ADVEC | MEAN | DO | REAER | BOD1 | BOD1 | BOD2 | BOD2 | NH3 |
|---|---|---|---|---|---|---|---|---|---|

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | VELO m/s | VELO m/s | SAT mg/L | RATE 1/da | DECA 1/da | SETT 1/da | DECA 1/da | SETT 1/da | DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 469 | P3 6 | 12.60 | 0.506 | 20.00 | 0.0 | 7.85 | 27.20 | 0.00 | 1.18 | 0.41 | 0.40 | 1.99 | 0.00 | 0.00 | 18.6 | 0.0 | 0.16 | 3.2 | 1.015 | 1.015 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 470 | P3 6 | 12.50 | 0.512 | 20.00 | 0.0 | 7.85 | 27.22 | 0.00 | 1.18 | 0.41 | 0.40 | 1.98 | 0.00 | 0.00 | 18.8 | 0.0 | 0.16 | 3.2 | 1.024 | 1.024 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 471 | P3 6 | 12.40 | 0.517 | 20.00 | 0.0 | 7.85 | 27.25 | 0.00 | 1.18 | 0.41 | 0.40 | 1.98 | 0.00 | 0.00 | 19.0 | 0.0 | 0.16 | 3.2 | 1.033 | 1.033 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 472 | P3 6 | 12.30 | 0.522 | 20.00 | 0.0 | 7.85 | 27.27 | 0.00 | 1.18 | 0.41 | 0.39 | 1.98 | 0.00 | 0.00 | 19.2 | 0.0 | 0.16 | 3.2 | 1.042 | 1.042 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 473 | P3 6 | 12.20 | 0.527 | 20.00 | 0.0 | 7.85 | 27.29 | 0.00 | 1.17 | 0.41 | 0.39 | 1.97 | 0.00 | 0.00 | 19.4 | 0.0 | 0.16 | 3.2 | 1.051 | 1.051 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 474 | P3 6 | 12.10 | 0.532 | 20.00 | 0.0 | 7.86 | 27.32 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 0.00 | 0.00 | 19.6 | 0.0 | 0.16 | 3.2 | 1.060 | 1.060 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 475 | P3 6 | 12.00 | 0.537 | 20.00 | 0.0 | 7.86 | 27.34 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 0.00 | 0.00 | 19.8 | 0.0 | 0.16 | 3.2 | 1.069 | 1.069 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 476 | P3 6 | 11.90 | 0.542 | 20.00 | 0.0 | 7.86 | 27.36 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 0.00 | 0.00 | 20.0 | 0.0 | 0.16 | 3.2 | 1.078 | 1.078 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 477 | P3 6 | 11.80 | 0.547 | 20.00 | 0.0 | 7.86 | 27.38 | 0.00 | 1.17 | 0.40 | 0.39 | 1.96 | 0.00 | 0.00 | 20.2 | 0.0 | 0.16 | 3.2 | 1.086 | 1.086 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 478 | P3 6 | 11.70 | 0.552 | 20.00 | 0.0 | 7.86 | 27.40 | 0.00 | 1.17 | 0.40 | 0.39 | 1.96 | 0.00 | 0.00 | 20.4 | 0.0 | 0.16 | 3.2 | 1.095 | 1.095 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 479 | P3 6 | 11.60 | 0.557 | 20.00 | 0.0 | 7.86 | 27.42 | 0.00 | 1.16 | 0.40 | 0.39 | 1.96 | 0.00 | 0.00 | 20.6 | 0.0 | 0.16 | 3.2 | 1.104 | 1.104 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 480 | P3 6 | 11.50 | 0.563 | 20.00 | 0.0 | 7.86 | 27.45 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 0.00 | 0.00 | 20.8 | 0.0 | 0.16 | 3.2 | 1.113 | 1.113 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 481 | P3 6 | 11.40 | 0.568 | 20.00 | 0.0 | 7.87 | 27.47 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 0.00 | 0.00 | 21.0 | 0.0 | 0.16 | 3.2 | 1.122 | 1.122 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 482 | P3 6 | 11.30 | 0.573 | 20.00 | 0.0 | 7.87 | 27.49 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 0.00 | 0.00 | 21.2 | 0.0 | 0.16 | 3.2 | 1.131 | 1.131 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 483 | P3 6 | 11.20 | 0.578 | 20.00 | 0.0 | 7.87 | 27.50 | 0.00 | 1.16 | 0.39 | 0.39 | 1.95 | 0.00 | 0.00 | 21.4 | 0.0 | 0.16 | 3.2 | 1.139 | 1.139 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 484 | P3 6 | 11.10 | 0.583 | 20.00 | 0.0 | 7.87 | 27.52 | 0.00 | 1.16 | 0.39 | 0.39 | 1.94 | 0.00 | 0.00 | 21.6 | 0.0 | 0.16 | 3.2 | 1.148 | 1.148 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 485 | P3 6 | 11.00 | 0.588 | 20.00 | 0.0 | 7.87 | 27.54 | 0.00 | 1.16 | 0.39 | 0.39 | 1.94 | 0.00 | 0.00 | 21.8 | 0.0 | 0.16 | 3.2 | 1.157 | 1.157 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 486 | P3 6 | 10.90 | 0.593 | 20.00 | 0.0 | 7.84 | 27.20 | 0.00 | 1.15 | 0.40 | 0.39 | 1.93 | 0.00 | 0.00 | 22.0 | 0.0 | 0.16 | 3.2 | 1.166 | 1.166 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| | TRIBUTARY # 487 (Arnold's Creek) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 561 | P2 8 | 10.80 | 0.622 | 20.00 | 0.0 | 7.83 | 27.01 | 0.00 | 1.15 | 0.40 | 0.38 | 1.93 | 0.00 | 0.00 | 21.9 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 562 | P2 8 | 10.70 | 0.622 | 20.00 | 0.0 | 7.81 | 27.00 | 0.00 | 1.15 | 0.40 | 0.38 | 1.93 | 0.00 | 0.00 | 21.9 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 563 | P2 8 | 10.60 | 0.622 | 20.00 | 0.0 | 7.79 | 26.99 | 0.00 | 1.15 | 0.40 | 0.38 | 1.94 | 0.00 | 0.00 | 21.8 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| | WASTELOAD # 564 (Grp12-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 564 | P2 8 | 10.50 | 0.622 | 20.00 | 0.0 | 7.77 | 26.99 | 0.00 | 1.15 | 0.41 | 0.38 | 1.95 | 0.00 | 0.00 | 21.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 565 | P2 8 | 10.40 | 0.622 | 20.00 | 0.0 | 7.75 | 27.00 | 0.00 | 1.16 | 0.42 | 0.39 | 1.96 | 0.00 | 0.00 | 21.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| | WASTELOAD # 566 (Grp13-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 566 | P2 8 | 10.30 | 0.625 | 20.00 | 0.0 | 7.73 | 27.02 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.6 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 567 | P2 8 | 10.20 | 0.625 | 20.00 | 0.0 | 7.71 | 26.99 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.5 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 568 | P2 8 | 10.10 | 0.625 | 20.00 | 0.0 | 7.70 | 26.97 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.4 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 569 | P2 8 | 10.00 | 0.625 | 20.00 | 0.0 | 7.68 | 26.94 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.4 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 570 | P2 8 | 9.90 | 0.625 | 20.00 | 0.0 | 7.67 | 26.92 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 571 | P2 8 | 9.80 | 0.625 | 20.00 | 0.0 | 7.66 | 26.90 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.2 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 572 | P2 8 | 9.70 | 0.625 | 20.00 | 0.0 | 7.64 | 26.87 | 0.00 | 1.16 | 0.42 | 0.39 | 1.96 | 0.00 | 0.00 | 21.2 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 573 | P2 8 | 9.60 | 0.625 | 20.00 | 0.0 | 7.63 | 26.85 | 0.00 | 1.16 | 0.42 | 0.39 | 1.96 | 0.00 | 0.00 | 21.1 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 574 | P2 8 | 9.50 | 0.625 | 20.00 | 0.0 | 7.62 | 26.83 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 21.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 575 | P2 8 | 9.40 | 0.625 | 20.00 | 0.0 | 7.60 | 26.80 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 21.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 576 | P2 8 | 9.30 | 0.625 | 20.00 | 0.0 | 7.59 | 26.78 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.9 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 577 | P2 8 | 9.20 | 0.625 | 20.00 | 0.0 | 7.58 | 26.76 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.8 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 578 | P2 8 | 9.10 | 0.625 | 20.00 | 0.0 | 7.57 | 26.74 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 579 | P2 8 | 9.00 | 0.625 | 20.00 | 0.0 | 7.55 | 26.71 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 580 | P2 8 | 8.90 | 0.625 | 20.00 | 0.0 | 7.54 | 26.69 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.6 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 581 | P2 8 | 8.80 | 0.625 | 20.00 | 0.0 | 7.53 | 26.68 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.5 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 582 | P2 8 | 8.70 | 0.625 | 20.00 | 0.0 | 7.52 | 26.66 | 0.00 | 1.16 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.5 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 583 | P2 8 | 8.60 | 0.625 | 20.00 | 0.0 | 7.50 | 26.64 | 0.00 | 1.16 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.4 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| | WASTELOAD # 584 (Grp14-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 584 | P2 8 | 8.50 | 0.627 | 20.00 | 0.0 | 7.49 | 26.63 | 0.00 | 1.17 | 0.42 | 0.38 | 1.98 | 0.00 | 0.00 | 20.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 585 | P2 8 | 8.40 | 0.627 | 20.00 | 0.0 | 7.48 | 26.59 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 586 | P2 8 | 8.30 | 0.627 | 20.00 | 0.0 | 7.47 | 26.56 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.2 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 587 | P2 8 | 8.20 | 0.627 | 20.00 | 0.0 | 7.46 | 26.51 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.1 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 588 | P2 8 | 8.10 | 0.627 | 20.00 | 0.0 | 7.45 | 26.47 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 589 | P2 8 | 8.00 | 0.627 | 20.00 | 0.0 | 7.44 | 26.41 | 0.00 | 1.17 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 590 | P2 8 | 7.90 | 0.627 | 20.00 | 0.0 | 7.43 | 26.35 | 0.00 | 1.17 | 0.41 | 0.38 | 1.96 | 0.00 | 0.00 | 19.9 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 591 | P2 8 | 7.80 | 0.627 | 20.00 | 0.0 | 7.42 | 26.28 | 0.00 | 1.17 | 0.41 | 0.38 | 1.96 | 0.00 | 0.00 | 19.8 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 592 | P2 8 | 7.70 | 0.627 | 20.00 | 0.0 | 7.41 | 26.20 | 0.00 | 1.17 | 0.41 | 0.38 | 1.95 | 0.00 | 0.00 | 19.8 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 593 | P2 8 | 7.60 | 0.627 | 20.00 | 0.0 | 7.40 | 26.09 | 0.00 | 1.17 | 0.41 | 0.37 | 1.95 | 0.00 | 0.00 | 19.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 594 | P2 8 | 7.50 | 0.627 | 20.00 | 0.0 | 7.40 | 25.97 | 0.00 | 1.17 | 0.40 | 0.37 | 1.94 | 0.00 | 0.00 | 19.6 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 595 | P2 8 | 7.40 | 0.627 | 20.00 | 0.0 | 7.39 | 25.82 | 0.00 | 1.17 | 0.40 | 0.37 | 1.94 | 0.00 | 0.00 | 19.6 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 596 | P2 8 | 7.30 | 0.627 | 20.00 | 0.0 | 7.38 | 25.63 | 0.00 | 1.18 | 0.39 | 0.36 | 1.93 | 0.00 | 0.00 | 19.5 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 597 | P2 8 | 7.20 | 0.627 | 20.00 | 0.0 | 7.37 | 25.40 | 0.00 | 1.18 | 0.38 | 0.35 | 1.92 | 0.00 | 0.00 | 19.4 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 598 | P2 8 | 7.10 | 0.627 | 20.00 | 0.0 | 7.36 | 25.11 | 0.00 | 1.19 | 0.37 | 0.35 | 1.91 | 0.00 | 0.00 | 19.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 599 | P2 8 | 7.00 | 0.627 | 20.00 | 0.0 | 7.35 | 24.75 | 0.00 | 1.19 | 0.36 | 0.34 | 1.89 | 0.00 | 0.00 | 19.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 600 | P2 8 | 6.90 | 0.627 | 20.00 | 0.0 | 7.34 | 24.30 | 0.00 | 1.20 | 0.35 | 0.32 | 1.87 | 0.00 | 0.00 | 19.2 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 601 | P2 8 | 6.80 | 0.627 | 20.00 | 0.0 | 7.33 | 23.72 | 0.00 | 1.21 | 0.33 | 0.31 | 1.85 | 0.00 | 0.00 | 19.1 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 602 | P2 8 | 6.70 | 0.627 | 20.00 | 0.0 | 7.31 | 22.99 | 0.00 | 1.22 | 0.31 | 0.28 | 1.82 | 0.00 | 0.00 | 19.1 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| | WASTELOAD # 603 (YWR) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 603 | P2 8 | 6.60 | 0.630 | 20.00 | 0.0 | 7.30 | 22.07 | 0.00 | 1.24 | 0.28 | 0.26 | 1.78 | 0.00 | 0.00 | 19.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.409 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 604 | P1 9 | 6.50 | 0.630 | 20.00 | 0.0 | 7.29 | 21.90 | 0.00 | 1.24 | 0.28 | 0.25 | 1.77 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 605 | P1 9 | 6.40 | 0.630 | 20.00 | 0.0 | 7.29 | 21.81 | 0.00 | 1.24 | 0.27 | 0.25 | 1.77 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 606 | P1 9 | 6.30 | 0.630 | 20.00 | 0.0 | 7.29 | 21.72 | 0.00 | 1.25 | 0.27 | 0.25 | 1.76 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 607 | P1 9 | 6.20 | 0.630 | 20.00 | 0.0 | 7.29 | 21.63 | 0.00 | 1.25 | 0.27 | 0.24 | 1.76 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 608 | P1 9 | 6.10 | 0.630 | 20.00 | 0.0 | 7.29 | 21.54 | 0.00 | 1.25 | 0.27 | 0.24 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 609 | P1 | 9 | 6.00 | 0.630 | 20.00 | 0.0 | 7.29 | 21.46 | 0.00 | 1.25 | 0.26 | 0.24 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 610 | P1 | 9 | 5.90 | 0.630 | 20.00 | 0.0 | 7.29 | 21.38 | 0.00 | 1.25 | 0.26 | 0.23 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 611 | P1 | 9 | 5.80 | 0.630 | 20.00 | 0.0 | 7.29 | 21.30 | 0.00 | 1.26 | 0.26 | 0.23 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 612 | P1 | 9 | 5.70 | 0.630 | 20.00 | 0.0 | 7.29 | 21.23 | 0.00 | 1.26 | 0.26 | 0.23 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| | WASTELOAD # 613 (LAG531729) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 613 | P1 | 9 | 5.60 | 0.631 | 20.00 | 0.0 | 7.29 | 21.16 | 0.00 | 1.26 | 0.25 | 0.22 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 614 | P1 | 9 | 5.50 | 0.631 | 20.00 | 0.0 | 7.29 | 21.08 | 0.00 | 1.26 | 0.25 | 0.22 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 615 | P1 | 9 | 5.40 | 0.631 | 20.00 | 0.0 | 7.29 | 21.01 | 0.00 | 1.27 | 0.25 | 0.22 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 616 | P1 | 9 | 5.30 | 0.631 | 20.00 | 0.0 | 7.29 | 20.94 | 0.00 | 1.27 | 0.25 | 0.21 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 617 | P1 | 9 | 5.20 | 0.631 | 20.00 | 0.0 | 7.29 | 20.88 | 0.00 | 1.27 | 0.24 | 0.21 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 618 | P1 | 9 | 5.10 | 0.631 | 20.00 | 0.0 | 7.29 | 20.82 | 0.00 | 1.27 | 0.24 | 0.21 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 619 | P1 | 9 | 5.00 | 0.631 | 20.00 | 0.0 | 7.29 | 20.76 | 0.00 | 1.28 | 0.24 | 0.20 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 620 | P1 | 9 | 4.90 | 0.631 | 20.00 | 0.0 | 7.29 | 20.70 | 0.00 | 1.28 | 0.23 | 0.20 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 621 | P1 | 9 | 4.80 | 0.631 | 20.00 | 0.0 | 7.30 | 20.65 | 0.00 | 1.28 | 0.23 | 0.20 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 622 | P1 | 9 | 4.70 | 0.631 | 20.00 | 0.0 | 7.30 | 20.60 | 0.00 | 1.29 | 0.23 | 0.20 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 623 | P1 | 9 | 4.60 | 0.631 | 20.00 | 0.0 | 7.30 | 20.55 | 0.00 | 1.29 | 0.23 | 0.19 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 624 | P1 | 9 | 4.50 | 0.631 | 20.00 | 0.0 | 7.30 | 20.50 | 0.00 | 1.29 | 0.23 | 0.19 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 625 | P1 | 9 | 4.40 | 0.631 | 20.00 | 0.0 | 7.30 | 20.46 | 0.00 | 1.30 | 0.22 | 0.19 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 626 | P1 | 9 | 4.30 | 0.631 | 20.00 | 0.0 | 7.29 | 20.42 | 0.00 | 1.30 | 0.22 | 0.18 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 627 | P1 | 9 | 4.20 | 0.631 | 20.00 | 0.0 | 7.29 | 20.38 | 0.00 | 1.30 | 0.22 | 0.18 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 628 | P1 | 9 | 4.10 | 0.631 | 20.00 | 0.0 | 7.29 | 20.35 | 0.00 | 1.31 | 0.22 | 0.18 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 629 | P1 | 9 | 4.00 | 0.631 | 20.00 | 0.0 | 7.29 | 20.32 | 0.00 | 1.31 | 0.21 | 0.17 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 630 | P1 | 9 | 3.90 | 0.631 | 20.00 | 0.0 | 7.29 | 20.29 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 631 | P1 | 9 | 3.80 | 0.631 | 20.00 | 0.0 | 7.29 | 20.27 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 632 | P1 | 9 | 3.70 | 0.631 | 20.00 | 0.0 | 7.29 | 20.25 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 633 | P1 | 9 | 3.60 | 0.631 | 20.00 | 0.0 | 7.29 | 20.23 | 0.00 | 1.33 | 0.21 | 0.16 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 634 | P1 | 9 | 3.50 | 0.631 | 20.00 | 0.0 | 7.28 | 20.22 | 0.00 | 1.33 | 0.20 | 0.16 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 635 | P1 | 9 | 3.40 | 0.631 | 20.00 | 0.0 | 7.28 | 20.21 | 0.00 | 1.34 | 0.20 | 0.16 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 636 | P1 | 9 | 3.30 | 0.631 | 20.00 | 0.0 | 7.28 | 20.21 | 0.00 | 1.34 | 0.20 | 0.15 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 637 | P1 | 9 | 3.20 | 0.631 | 20.00 | 0.0 | 7.28 | 20.21 | 0.00 | 1.35 | 0.20 | 0.15 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 638 | P1 | 9 | 3.10 | 0.631 | 20.00 | 0.0 | 7.27 | 20.21 | 0.00 | 1.35 | 0.20 | 0.15 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 639 | P1 | 9 | 3.00 | 0.631 | 20.00 | 0.0 | 7.27 | 20.21 | 0.00 | 1.36 | 0.19 | 0.15 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 640 | P1 | 9 | 2.90 | 0.631 | 20.00 | 0.0 | 7.26 | 20.22 | 0.00 | 1.37 | 0.19 | 0.14 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 641 | P1 | 9 | 2.80 | 0.631 | 20.00 | 0.0 | 7.26 | 20.24 | 0.00 | 1.37 | 0.19 | 0.14 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 642 | P1 | 9 | 2.70 | 0.631 | 20.00 | 0.0 | 7.25 | 20.26 | 0.00 | 1.38 | 0.19 | 0.14 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 643 | P1 | 9 | 2.60 | 0.631 | 20.00 | 0.0 | 7.25 | 20.28 | 0.00 | 1.38 | 0.19 | 0.14 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 644 | P1 | 9 | 2.50 | 0.631 | 20.00 | 0.0 | 7.24 | 20.31 | 0.00 | 1.39 | 0.19 | 0.13 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 645 | P1 | 9 | 2.40 | 0.631 | 20.00 | 0.0 | 7.24 | 20.34 | 0.00 | 1.40 | 0.18 | 0.13 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 646 | P1 | 9 | 2.30 | 0.631 | 20.00 | 0.0 | 7.23 | 20.38 | 0.00 | 1.40 | 0.18 | 0.13 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 647 | P1 | 9 | 2.20 | 0.631 | 20.00 | 0.0 | 7.22 | 20.42 | 0.00 | 1.41 | 0.18 | 0.13 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 648 | P1 | 9 | 2.10 | 0.631 | 20.00 | 0.0 | 7.21 | 20.46 | 0.00 | 1.42 | 0.18 | 0.12 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 649 | P1 | 9 | 2.00 | 0.631 | 20.00 | 0.0 | 7.20 | 20.51 | 0.00 | 1.43 | 0.18 | 0.12 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 650 | P1 | 9 | 1.90 | 0.631 | 20.00 | 0.0 | 7.19 | 20.57 | 0.00 | 1.43 | 0.18 | 0.12 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 651 | P1 | 9 | 1.80 | 0.631 | 20.00 | 0.0 | 7.19 | 20.63 | 0.00 | 1.44 | 0.17 | 0.12 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 652 | P1 | 9 | 1.70 | 0.631 | 20.00 | 0.0 | 7.17 | 20.70 | 0.00 | 1.45 | 0.17 | 0.11 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 653 | P1 | 9 | 1.60 | 0.631 | 20.00 | 0.0 | 7.16 | 20.77 | 0.00 | 1.46 | 0.17 | 0.11 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 654 | P1 | 9 | 1.50 | 0.631 | 20.00 | 0.0 | 7.15 | 20.85 | 0.00 | 1.47 | 0.17 | 0.11 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 655 | P1 | 9 | 1.40 | 0.631 | 20.00 | 0.0 | 7.14 | 20.93 | 0.00 | 1.47 | 0.17 | 0.11 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 656 | P1 | 9 | 1.30 | 0.631 | 20.00 | 0.0 | 7.13 | 21.02 | 0.00 | 1.48 | 0.17 | 0.11 | 1.76 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 657 | P1 | 9 | 1.20 | 0.631 | 20.00 | 0.0 | 7.11 | 21.11 | 0.00 | 1.49 | 0.17 | 0.10 | 1.76 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 658 | P1 | 9 | 1.10 | 0.631 | 20.00 | 0.0 | 7.10 | 21.22 | 0.00 | 1.50 | 0.16 | 0.10 | 1.77 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 659 | P1 | 9 | 1.00 | 0.631 | 20.00 | 0.0 | 7.08 | 21.32 | 0.00 | 1.51 | 0.16 | 0.10 | 1.78 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 660 | P1 | 9 | 0.90 | 0.631 | 20.00 | 0.0 | 7.07 | 21.44 | 0.00 | 1.52 | 0.16 | 0.10 | 1.78 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 661 | P1 | 9 | 0.80 | 0.631 | 20.00 | 0.0 | 7.05 | 21.56 | 0.00 | 1.53 | 0.16 | 0.10 | 1.79 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 662 | P1 | 9 | 0.70 | 0.631 | 20.00 | 0.0 | 7.03 | 21.69 | 0.00 | 1.54 | 0.16 | 0.10 | 1.80 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 663 | P1 | 9 | 0.60 | 0.631 | 20.00 | 0.0 | 7.01 | 21.82 | 0.00 | 1.55 | 0.16 | 0.09 | 1.81 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 664 | P1 | 9 | 0.50 | 0.631 | 20.00 | 0.0 | 6.99 | 21.96 | 0.00 | 1.56 | 0.16 | 0.09 | 1.81 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 665 | P1 | 9 | 0.40 | 0.631 | 20.00 | 0.0 | 6.97 | 22.11 | 0.00 | 1.58 | 0.16 | 0.09 | 1.82 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 666 | P1 | 9 | 0.30 | 0.631 | 20.00 | 0.0 | 6.95 | 22.27 | 0.00 | 1.59 | 0.15 | 0.09 | 1.83 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 667 | P1 | 9 | 0.20 | 0.631 | 20.00 | 0.0 | 6.93 | 22.43 | 0.00 | 1.60 | 0.15 | 0.09 | 1.84 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.016 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 668 | P1 | 9 | 0.10 | 0.631 | 20.00 | 0.0 | 6.90 | 22.60 | 0.00 | 1.61 | 0.15 | 0.09 | 1.85 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.016 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 669 | P1 | 9 | 0.00 | 0.631 | 20.00 | 0.0 | 6.88 | 22.78 | 0.00 | 1.63 | 0.15 | 0.09 | 1.86 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.016 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |

CAPSULE SUMMARY FOR Pont. Trib.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | PT | 2 | 7.90 | 0.028 | 20.00 | 0.0 | 7.00 | 21.35 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 124 | PT | 2 | 7.80 | 0.028 | 20.00 | 0.0 | 7.14 | 21.33 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 125 | PT | 2 | 7.70 | 0.028 | 20.00 | 0.0 | 7.27 | 21.32 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 126 | PT | 2 | 7.60 | 0.028 | 20.00 | 0.0 | 7.39 | 21.31 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 127 | PT | 2 | 7.50 | 0.028 | 20.00 | 0.0 | 7.50 | 21.30 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 128 | PT | 2 | 7.40 | 0.028 | 20.00 | 0.0 | 7.61 | 21.28 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 129 | PT | 2 | 7.30 | 0.028 | 20.00 | 0.0 | 7.71 | 21.27 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 130 | PT | 2 | 7.20 | 0.028 | 20.00 | 0.0 | 7.80 | 21.26 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 131 | PT | 2 | 7.10 | 0.028 | 20.00 | 0.0 | 7.88 | 21.25 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 132 | PT | 2 | 7.00 | 0.028 | 20.00 | 0.0 | 7.96 | 21.23 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 133 | PT | 2 | 6.90 | 0.028 | 20.00 | 0.0 | 8.04 | 21.22 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 134 | PT | 2 | 6.80 | 0.028 | 20.00 | 0.0 | 8.10 | 21.21 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 135 | PT | 2 | 6.70 | 0.028 | 20.00 | 0.0 | 8.17 | 21.20 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 136 | PT | 2 | 6.60 | 0.028 | 20.00 | 0.0 | 8.23 | 21.18 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 137 | PT | 2 | 6.50 | 0.028 | 20.00 | 0.0 | 8.28 | 21.17 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 138 | PT | 2 | 6.40 | 0.028 | 20.00 | 0.0 | 8.34 | 21.16 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 139 | PT | 2 | 6.30 | 0.028 | 20.00 | 0.0 | 8.38 | 21.14 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 140 | PT | 2 | 6.20 | 0.028 | 20.00 | 0.0 | 8.43 | 21.13 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 141 | PT | 2 | 6.10 | 0.028 | 20.00 | 0.0 | 8.47 | 21.12 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 142 | PT | 2 | 6.00 | 0.028 | 20.00 | 0.0 | 8.51 | 21.11 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 143 | PT | 2 | 5.90 | 0.028 | 20.00 | 0.0 | 8.55 | 21.09 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 144 | PT | 2 | 5.80 | 0.028 | 20.00 | 0.0 | 8.58 | 21.08 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 145 | PT | 2 | 5.70 | 0.028 | 20.00 | 0.0 | 8.61 | 21.07 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 146 | PT | 2 | 5.60 | 0.028 | 20.00 | 0.0 | 8.64 | 21.06 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 147 | PT | 2 | 5.50 | 0.028 | 20.00 | 0.0 | 8.67 | 21.04 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 148 | PT | 2 | 5.40 | 0.028 | 20.00 | 0.0 | 8.69 | 21.03 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 149 | PT | 2 | 5.30 | 0.028 | 20.00 | 0.0 | 8.72 | 21.02 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 150 | PT | 2 | 5.20 | 0.028 | 20.00 | 0.0 | 8.74 | 21.01 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 151 | PT | 2 | 5.10 | 0.028 | 20.00 | 0.0 | 8.76 | 20.99 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 152 | PT | 2 | 5.00 | 0.028 | 20.00 | 0.0 | 8.78 | 20.98 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 153 | PT | 2 | 4.90 | 0.028 | 20.00 | 0.0 | 8.80 | 20.97 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 154 | PT | 2 | 4.80 | 0.028 | 20.00 | 0.0 | 8.81 | 20.96 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 155 | PT | 2 | 4.70 | 0.028 | 20.00 | 0.0 | 8.83 | 20.94 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 156 | PT | 2 | 4.60 | 0.028 | 20.00 | 0.0 | 8.84 | 20.93 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 157 | PT | 2 | 4.50 | 0.028 | 20.00 | 0.0 | 8.86 | 20.92 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 158 | PT | 2 | 4.40 | 0.028 | 20.00 | 0.0 | 8.87 | 20.91 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 159 | PT | 2 | 4.30 | 0.028 | 20.00 | 0.0 | 8.88 | 20.90 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 3.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 160 | PT | 2 | 4.20 | 0.028 | 20.00 | 0.0 | 8.89 | 20.88 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 161 | PT | 2 | 4.10 | 0.028 | 20.00 | 0.0 | 8.90 | 20.87 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 162 | PT | 2 | 4.00 | 0.028 | 20.00 | 0.0 | 8.91 | 20.86 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 163 | PT | 2 | 3.90 | 0.028 | 20.00 | 0.0 | 8.92 | 20.85 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 164 | PT | 2 | 3.80 | 0.028 | 20.00 | 0.0 | 8.93 | 20.83 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 165 | PT | 2 | 3.70 | 0.028 | 20.00 | 0.0 | 8.93 | 20.82 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 166 | PT | 2 | 3.60 | 0.028 | 20.00 | 0.0 | 8.94 | 20.81 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 167 | PT | 2 | 3.50 | 0.028 | 20.00 | 0.0 | 8.95 | 20.80 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 168 | PT | 2 | 3.40 | 0.028 | 20.00 | 0.0 | 8.95 | 20.78 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 169 | PT | 2 | 3.30 | 0.028 | 20.00 | 0.0 | 8.96 | 20.77 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 170 | PT | 2 | 3.20 | 0.028 | 20.00 | 0.0 | 8.96 | 20.76 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 171 | PT | 2 | 3.10 | 0.028 | 20.00 | 0.0 | 8.97 | 20.75 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 172 | PT | 2 | 3.00 | 0.028 | 20.00 | 0.0 | 8.97 | 20.73 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 173 | PT | 2 | 2.90 | 0.028 | 20.00 | 0.0 | 8.98 | 20.72 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 174 | PT | 2 | 2.80 | 0.028 | 20.00 | 0.0 | 8.98 | 20.71 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 175 | PT | 2 | 2.70 | 0.028 | 20.00 | 0.0 | 8.98 | 20.70 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 176 | PT | 2 | 2.60 | 0.028 | 20.00 | 0.0 | 8.99 | 20.69 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 177 | PT | 2 | 2.50 | 0.028 | 20.00 | 0.0 | 8.99 | 20.67 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 178 | PT | 2 | 2.40 | 0.028 | 20.00 | 0.0 | 8.99 | 20.66 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 179 | PT | 2 | 2.30 | 0.028 | 20.00 | 0.0 | 9.00 | 20.65 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 180 | PT | 2 | 2.20 | 0.028 | 20.00 | 0.0 | 9.00 | 20.64 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 181 | PT | 2 | 2.10 | 0.028 | 20.00 | 0.0 | 9.00 | 20.62 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 182 | PT | 2 | 2.00 | 0.028 | 20.00 | 0.0 | 9.00 | 20.61 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 183 | PT | 2 | 1.90 | 0.028 | 20.00 | 0.0 | 9.01 | 20.60 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 184 | PT | 2 | 1.80 | 0.028 | 20.00 | 0.0 | 9.01 | 20.59 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 185 | PT | 2 | 1.70 | 0.028 | 20.00 | 0.0 | 9.01 | 20.57 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 186 | PT | 2 | 1.60 | 0.028 | 20.00 | 0.0 | 9.01 | 20.56 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 187 | PT | 2 | 1.50 | 0.028 | 20.00 | 0.0 | 9.01 | 20.55 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 188 | PT | 2 | 1.40 | 0.028 | 20.00 | 0.0 | 9.01 | 20.54 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 189 | PT | 2 | 1.30 | 0.028 | 20.00 | 0.0 | 9.01 | 20.53 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 190 | PT | 2 | 1.20 | 0.028 | 20.00 | 0.0 | 9.01 | 20.51 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 191 | PT | 2 | 1.10 | 0.028 | 20.00 | 0.0 | 9.02 | 20.50 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 192 | PT | 2 | 1.00 | 0.028 | 20.00 | 0.0 | 9.02 | 20.49 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 193 (LAG570205) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193 | PT | 2 | 0.90 | 0.032 | 20.00 | 0.0 | 8.56 | 20.66 | 0.00 | 3.90 | 0.16 | 0.02 | 4.08 | 0.00 | 0.00 | 2.0 | 0.0 | 0.20 | 0.9 | 0.177 | 0.177 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 194 | PT | 2 | 0.80 | 0.032 | 20.00 | 0.0 | 8.59 | 20.65 | 0.00 | 3.90 | 0.16 | 0.02 | 4.08 | 0.00 | 0.00 | 2.0 | 0.0 | 0.20 | 0.9 | 0.177 | 0.177 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 195 (LAG533605) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 195 | PT | 2 | 0.70 | 0.036 | 20.00 | 0.0 | 8.25 | 20.89 | 0.00 | 3.67 | 0.50 | 0.24 | 4.40 | 0.00 | 0.00 | 1.9 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |

CAPSULE SUMMARY FOR Pont. Trib.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 196 | PT | 2 | 0.60 | 0.036 | 20.00 | 0.0 | 8.29 | 20.88 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.8 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 197 | PT | 2 | 0.50 | 0.036 | 20.00 | 0.0 | 8.33 | 20.87 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.8 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 198 | PT | 2 | 0.40 | 0.036 | 20.00 | 0.0 | 8.37 | 20.86 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.7 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 199 | PT | 2 | 0.30 | 0.036 | 20.00 | 0.0 | 8.41 | 20.85 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.7 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 200 | PT | 2 | 0.20 | 0.036 | 20.00 | 0.0 | 8.44 | 20.84 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.6 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 201 | PT | 2 | 0.10 | 0.036 | 20.00 | 0.0 | 8.47 | 20.83 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.6 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 202 | PT | 2 | 0.00 | 0.036 | 20.00 | 0.0 | 8.50 | 20.82 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.5 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |

CAPSULE SUMMARY FOR East Pont.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | EP | 5 | 10.80 | 0.028 | 20.00 | 0.0 | 6.82 | 12.42 | 0.00 | 1.11 | 0.11 | 0.09 | 1.31 | 0.00 | 0.00 | 5.0 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.467 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 281 | EP | 5 | 10.70 | 0.028 | 20.00 | 0.0 | 6.79 | 12.38 | 0.00 | 1.11 | 0.11 | 0.09 | 1.31 | 0.00 | 0.00 | 4.9 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.468 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 282 | EP | 5 | 10.60 | 0.029 | 20.00 | 0.0 | 6.77 | 12.34 | 0.00 | 1.11 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.9 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.469 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 283 | EP | 5 | 10.50 | 0.029 | 20.00 | 0.0 | 6.75 | 12.30 | 0.00 | 1.11 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.9 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.470 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 284 | EP | 5 | 10.40 | 0.029 | 20.00 | 0.0 | 6.73 | 12.26 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.9 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.471 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 285 | EP | 5 | 10.30 | 0.029 | 20.00 | 0.0 | 6.71 | 12.22 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.8 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.472 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 286 | EP | 5 | 10.20 | 0.029 | 20.00 | 0.0 | 6.70 | 12.18 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.8 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.473 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 287 | EP | 5 | 10.10 | 0.029 | 20.00 | 0.0 | 6.69 | 12.14 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.8 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.474 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 288 | EP | 5 | 10.00 | 0.029 | 20.00 | 0.0 | 6.68 | 12.10 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.8 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.475 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 289 | EP | 5 | 9.90 | 0.029 | 20.00 | 0.0 | 6.68 | 12.07 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.7 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.476 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 290 | EP | 5 | 9.80 | 0.029 | 20.00 | 0.0 | 6.67 | 12.03 | 0.00 | 1.10 | 0.10 | 0.09 | 1.30 | 0.00 | 0.00 | 4.7 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.477 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 291 | EP | 5 | 9.70 | 0.029 | 20.00 | 0.0 | 6.66 | 11.99 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.7 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.478 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 292 | EP | 5 | 9.60 | 0.029 | 20.00 | 0.0 | 6.66 | 11.95 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.7 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.479 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 293 | EP | 5 | 9.50 | 0.030 | 20.00 | 0.0 | 6.66 | 11.92 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.6 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.480 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 294 | EP | 5 | 9.40 | 0.030 | 20.00 | 0.0 | 6.65 | 11.88 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.6 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.481 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 295 | EP | 5 | 9.30 | 0.030 | 20.00 | 0.0 | 6.65 | 11.84 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.6 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.483 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 296 | EP | 5 | 9.20 | 0.030 | 20.00 | 0.0 | 6.65 | 11.81 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.6 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.484 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 297 | EP | 5 | 9.10 | 0.030 | 20.00 | 0.0 | 6.65 | 11.77 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.5 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.485 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 298 | EP | 5 | 9.00 | 0.030 | 20.00 | 0.0 | 6.65 | 11.74 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.5 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.486 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 299 | EP | 5 | 8.90 | 0.030 | 20.00 | 0.0 | 6.65 | 11.70 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.5 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.487 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 300 | EP | 5 | 8.80 | 0.030 | 20.00 | 0.0 | 6.65 | 11.67 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.5 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.488 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 301 | EP | 5 | 8.70 | 0.030 | 20.00 | 0.0 | 6.65 | 11.63 | 0.00 | 1.10 | 0.10 | 0.09 | 1.28 | 0.00 | 0.00 | 4.4 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.489 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| | WASTELOAD # 302 (LAG540869) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 302 | EP | 5 | 8.60 | 0.031 | 20.00 | 0.0 | 6.54 | 12.99 | 0.00 | 1.19 | 0.34 | 0.14 | 1.67 | 0.00 | 0.00 | 4.4 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.499 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 303 | EP | 5 | 8.50 | 0.031 | 20.00 | 0.0 | 6.55 | 12.95 | 0.00 | 1.19 | 0.34 | 0.14 | 1.67 | 0.00 | 0.00 | 4.4 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.500 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 304 | EP | 5 | 8.40 | 0.031 | 20.00 | 0.0 | 6.55 | 12.91 | 0.00 | 1.19 | 0.33 | 0.14 | 1.67 | 0.00 | 0.00 | 4.4 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.501 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 305 | EP | 5 | 8.30 | 0.031 | 20.00 | 0.0 | 6.56 | 12.87 | 0.00 | 1.19 | 0.33 | 0.14 | 1.66 | 0.00 | 0.00 | 4.3 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.502 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 306 | EP | 5 | 8.20 | 0.032 | 20.00 | 0.0 | 6.56 | 12.83 | 0.00 | 1.19 | 0.33 | 0.15 | 1.66 | 0.00 | 0.00 | 4.3 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.503 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 307 | EP | 5 | 8.10 | 0.032 | 20.00 | 0.0 | 6.56 | 12.79 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 0.00 | 0.00 | 4.3 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.504 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 308 | EP | 5 | 8.00 | 0.032 | 20.00 | 0.0 | 6.57 | 12.74 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 0.00 | 0.00 | 4.3 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.505 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 309 | EP | 5 | 7.90 | 0.032 | 20.00 | 0.0 | 6.57 | 12.70 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 0.00 | 0.00 | 4.2 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.506 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 310 | EP | 5 | 7.80 | 0.032 | 20.00 | 0.0 | 6.57 | 12.66 | 0.00 | 1.19 | 0.32 | 0.15 | 1.65 | 0.00 | 0.00 | 4.2 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.507 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 311 | EP | 5 | 7.70 | 0.032 | 20.00 | 0.0 | 6.58 | 12.62 | 0.00 | 1.19 | 0.31 | 0.15 | 1.65 | 0.00 | 0.00 | 4.2 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.508 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 312 | EP | 5 | 7.60 | 0.032 | 20.00 | 0.0 | 6.58 | 12.59 | 0.00 | 1.18 | 0.31 | 0.15 | 1.65 | 0.00 | 0.00 | 4.2 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.509 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 313 | EP | 5 | 7.50 | 0.032 | 20.00 | 0.0 | 6.58 | 12.55 | 0.00 | 1.18 | 0.31 | 0.16 | 1.65 | 0.00 | 0.00 | 4.1 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.510 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 314 | EP | 5 | 7.40 | 0.032 | 20.00 | 0.0 | 6.59 | 12.51 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 0.00 | 0.00 | 4.1 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.511 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 315 | EP | 5 | 7.30 | 0.032 | 20.00 | 0.0 | 6.59 | 12.47 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 0.00 | 0.00 | 4.1 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.513 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 316 | EP | 5 | 7.20 | 0.032 | 20.00 | 0.0 | 6.59 | 12.43 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 0.00 | 0.00 | 4.1 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.514 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 317 | EP | 5 | 7.10 | 0.033 | 20.00 | 0.0 | 6.60 | 12.39 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 0.00 | 0.00 | 4.0 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.515 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 318 | EP | 5 | 7.00 | 0.033 | 20.00 | 0.0 | 6.60 | 12.36 | 0.00 | 1.18 | 0.29 | 0.16 | 1.64 | 0.00 | 0.00 | 4.0 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.516 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| | WASTELOAD # 319 (LAG532175) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 319 | EP | 5 | 6.90 | 0.033 | 20.00 | 0.0 | 6.54 | 13.10 | 0.00 | 1.23 | 0.42 | 0.19 | 1.85 | 0.00 | 0.00 | 4.0 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.522 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 320 | EP | 5 | 6.80 | 0.033 | 20.00 | 0.0 | 6.55 | 13.06 | 0.00 | 1.23 | 0.42 | 0.19 | 1.84 | 0.00 | 0.00 | 4.0 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.523 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 321 | EP | 5 | 6.70 | 0.033 | 20.00 | 0.0 | 6.55 | 13.02 | 0.00 | 1.23 | 0.41 | 0.19 | 1.84 | 0.00 | 0.00 | 3.9 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.524 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 322 | EP | 5 | 6.60 | 0.033 | 20.00 | 0.0 | 6.56 | 12.98 | 0.00 | 1.23 | 0.41 | 0.20 | 1.84 | 0.00 | 0.00 | 3.9 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.525 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 323 | EP | 5 | 6.50 | 0.034 | 20.00 | 0.0 | 6.56 | 12.94 | 0.00 | 1.23 | 0.41 | 0.20 | 1.83 | 0.00 | 0.00 | 3.9 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.526 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 324 | EP | 5 | 6.40 | 0.034 | 20.00 | 0.0 | 6.57 | 12.90 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 0.00 | 0.00 | 3.9 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.528 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 325 | EP | 5 | 6.30 | 0.034 | 20.00 | 0.0 | 6.57 | 12.86 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 0.00 | 0.00 | 3.8 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.529 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 326 | EP | 5 | 6.20 | 0.034 | 20.00 | 0.0 | 6.57 | 12.82 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 0.00 | 0.00 | 3.8 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.530 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 327 | EP | 5 | 6.10 | 0.034 | 20.00 | 0.0 | 6.58 | 12.78 | 0.00 | 1.23 | 0.39 | 0.21 | 1.82 | 0.00 | 0.00 | 3.8 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.531 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 328 | EP | 5 | 6.00 | 0.034 | 20.00 | 0.0 | 6.58 | 12.74 | 0.00 | 1.22 | 0.39 | 0.21 | 1.82 | 0.00 | 0.00 | 3.8 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.532 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 329 | EP | 5 | 5.90 | 0.034 | 20.00 | 0.0 | 6.59 | 12.70 | 0.00 | 1.22 | 0.38 | 0.21 | 1.82 | 0.00 | 0.00 | 3.7 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.533 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 330 | EP | 5 | 5.80 | 0.034 | 20.00 | 0.0 | 6.59 | 12.67 | 0.00 | 1.22 | 0.38 | 0.21 | 1.81 | 0.00 | 0.00 | 3.7 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.534 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 331 | EP | 5 | 5.70 | 0.034 | 20.00 | 0.0 | 6.59 | 12.63 | 0.00 | 1.22 | 0.38 | 0.21 | 1.81 | 0.00 | 0.00 | 3.7 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.535 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 332 | EP | 5 | 5.60 | 0.034 | 20.00 | 0.0 | 6.60 | 12.59 | 0.00 | 1.22 | 0.37 | 0.21 | 1.81 | 0.00 | 0.00 | 3.7 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.536 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| WASTELOAD # 333 (Grp6-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 333 | EP | 5 | 5.50 | 0.035 | 20.00 | 0.0 | 6.59 | 12.74 | 0.00 | 1.23 | 0.40 | 0.22 | 1.85 | 0.00 | 0.00 | 3.6 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.538 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 334 | EP | 5 | 5.40 | 0.035 | 20.00 | 0.0 | 6.59 | 12.70 | 0.00 | 1.23 | 0.40 | 0.22 | 1.85 | 0.00 | 0.00 | 3.6 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.539 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 335 | EP | 5 | 5.30 | 0.035 | 20.00 | 0.0 | 6.60 | 12.66 | 0.00 | 1.23 | 0.39 | 0.22 | 1.85 | 0.00 | 0.00 | 3.6 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.540 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 336 | EP | 5 | 5.20 | 0.035 | 20.00 | 0.0 | 6.60 | 12.62 | 0.00 | 1.23 | 0.39 | 0.22 | 1.84 | 0.00 | 0.00 | 3.6 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.541 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 337 | EP | 5 | 5.10 | 0.035 | 20.00 | 0.0 | 6.60 | 12.58 | 0.00 | 1.23 | 0.38 | 0.23 | 1.84 | 0.00 | 0.00 | 3.5 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.542 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 338 | EP | 5 | 5.00 | 0.035 | 20.00 | 0.0 | 6.61 | 12.55 | 0.00 | 1.23 | 0.38 | 0.23 | 1.84 | 0.00 | 0.00 | 3.5 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.543 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 339 | EP | 5 | 4.90 | 0.035 | 20.00 | 0.0 | 6.61 | 12.51 | 0.00 | 1.23 | 0.38 | 0.23 | 1.83 | 0.00 | 0.00 | 3.5 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.544 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| WASTELOAD # 340 (Grp7-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | EP | 5 | 4.80 | 0.035 | 20.00 | 0.0 | 6.58 | 12.88 | 0.00 | 1.25 | 0.44 | 0.24 | 1.94 | 0.00 | 0.00 | 3.5 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.548 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 341 | EP | 5 | 4.70 | 0.036 | 20.00 | 0.0 | 6.59 | 12.84 | 0.00 | 1.25 | 0.44 | 0.24 | 1.94 | 0.00 | 0.00 | 3.4 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.549 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 342 | EP | 5 | 4.60 | 0.036 | 20.00 | 0.0 | 6.59 | 12.80 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 0.00 | 0.00 | 3.4 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.551 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 343 | EP | 5 | 4.50 | 0.036 | 20.00 | 0.0 | 6.59 | 12.76 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 0.00 | 0.00 | 3.4 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.552 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 344 | EP | 5 | 4.40 | 0.036 | 20.00 | 0.0 | 6.60 | 12.72 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 0.00 | 0.00 | 3.4 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.553 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 345 | EP | 5 | 4.30 | 0.036 | 20.00 | 0.0 | 6.60 | 12.69 | 0.00 | 1.25 | 0.42 | 0.25 | 1.92 | 0.00 | 0.00 | 3.3 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.554 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 346 | EP | 5 | 4.20 | 0.036 | 20.00 | 0.0 | 6.60 | 12.65 | 0.00 | 1.25 | 0.42 | 0.25 | 1.92 | 0.00 | 0.00 | 3.3 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.555 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 347 | EP | 5 | 4.10 | 0.036 | 20.00 | 0.0 | 6.61 | 12.61 | 0.00 | 1.25 | 0.41 | 0.25 | 1.92 | 0.00 | 0.00 | 3.3 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.556 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 348 | EP | 5 | 4.00 | 0.036 | 20.00 | 0.0 | 6.61 | 12.58 | 0.00 | 1.25 | 0.41 | 0.26 | 1.91 | 0.00 | 0.00 | 3.3 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.557 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 349 | EP | 5 | 3.90 | 0.036 | 20.00 | 0.0 | 6.61 | 12.54 | 0.00 | 1.25 | 0.41 | 0.26 | 1.91 | 0.00 | 0.00 | 3.2 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.558 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |

CAPSULE SUMMARY FOR East Pont.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | EP | 5 | 3.80 | 0.036 | 20.00 | 0.0 | 6.62 | 12.50 | 0.00 | 1.25 | 0.40 | 0.26 | 1.91 | 0.00 | 0.00 | 3.2 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.559 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 351 | EP | 5 | 3.70 | 0.036 | 20.00 | 0.0 | 6.62 | 12.47 | 0.00 | 1.25 | 0.40 | 0.26 | 1.91 | 0.00 | 0.00 | 3.2 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.560 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 352 | EP | 5 | 3.60 | 0.037 | 20.00 | 0.0 | 6.62 | 12.43 | 0.00 | 1.24 | 0.40 | 0.26 | 1.90 | 0.00 | 0.00 | 3.2 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.561 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 353 | EP | 5 | 3.50 | 0.037 | 20.00 | 0.0 | 6.63 | 12.40 | 0.00 | 1.24 | 0.39 | 0.26 | 1.90 | 0.00 | 0.00 | 3.1 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.563 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 354 | EP | 5 | 3.40 | 0.037 | 20.00 | 0.0 | 6.63 | 12.36 | 0.00 | 1.24 | 0.39 | 0.26 | 1.90 | 0.00 | 0.00 | 3.1 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.564 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 355 | EP | 5 | 3.30 | 0.037 | 20.00 | 0.0 | 6.63 | 12.33 | 0.00 | 1.24 | 0.39 | 0.27 | 1.89 | 0.00 | 0.00 | 3.1 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.565 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 356 | EP | 5 | 3.20 | 0.037 | 20.00 | 0.0 | 6.64 | 12.29 | 0.00 | 1.24 | 0.38 | 0.27 | 1.89 | 0.00 | 0.00 | 3.1 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.566 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 357 | EP | 5 | 3.10 | 0.037 | 20.00 | 0.0 | 6.64 | 12.26 | 0.00 | 1.24 | 0.38 | 0.27 | 1.89 | 0.00 | 0.00 | 3.0 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.567 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| WASTELOAD # 358 (Grp8-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 358 | EP | 5 | 3.00 | 0.040 | 20.00 | 0.0 | 6.40 | 15.10 | 0.00 | 1.42 | 0.89 | 0.40 | 2.72 | 0.00 | 0.00 | 3.0 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.604 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 359 | EP | 5 | 2.90 | 0.040 | 20.00 | 0.0 | 6.41 | 15.06 | 0.00 | 1.42 | 0.89 | 0.41 | 2.72 | 0.00 | 0.00 | 3.0 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.605 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 360 | EP | 5 | 2.80 | 0.040 | 20.00 | 0.0 | 6.42 | 15.01 | 0.00 | 1.42 | 0.88 | 0.41 | 2.71 | 0.00 | 0.00 | 3.0 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.606 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 361 | EP | 5 | 2.70 | 0.040 | 20.00 | 0.0 | 6.44 | 14.96 | 0.00 | 1.42 | 0.87 | 0.42 | 2.70 | 0.00 | 0.00 | 2.9 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.607 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 362 | EP | 5 | 2.60 | 0.040 | 20.00 | 0.0 | 6.45 | 14.92 | 0.00 | 1.42 | 0.86 | 0.42 | 2.70 | 0.00 | 0.00 | 2.9 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.608 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 363 | EP | 5 | 2.50 | 0.041 | 20.00 | 0.0 | 6.46 | 14.87 | 0.00 | 1.42 | 0.85 | 0.42 | 2.69 | 0.00 | 0.00 | 2.9 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.610 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 364 | EP | 5 | 2.40 | 0.041 | 20.00 | 0.0 | 6.47 | 14.83 | 0.00 | 1.42 | 0.85 | 0.43 | 2.69 | 0.00 | 0.00 | 2.9 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.611 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 365 | EP | 5 | 2.30 | 0.041 | 20.00 | 0.0 | 6.48 | 14.78 | 0.00 | 1.42 | 0.84 | 0.43 | 2.68 | 0.00 | 0.00 | 2.8 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.612 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 366 | EP | 5 | 2.20 | 0.041 | 20.00 | 0.0 | 6.49 | 14.74 | 0.00 | 1.41 | 0.83 | 0.43 | 2.68 | 0.00 | 0.00 | 2.8 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.613 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 367 | EP | 5 | 2.10 | 0.041 | 20.00 | 0.0 | 6.50 | 14.69 | 0.00 | 1.41 | 0.82 | 0.44 | 2.67 | 0.00 | 0.00 | 2.8 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.614 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 368 | EP | 5 | 2.00 | 0.041 | 20.00 | 0.0 | 6.51 | 14.65 | 0.00 | 1.41 | 0.82 | 0.44 | 2.67 | 0.00 | 0.00 | 2.8 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.615 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 369 | EP | 5 | 1.90 | 0.041 | 20.00 | 0.0 | 6.51 | 14.60 | 0.00 | 1.41 | 0.81 | 0.44 | 2.66 | 0.00 | 0.00 | 2.7 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.616 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 370 | EP | 5 | 1.80 | 0.041 | 20.00 | 0.0 | 6.52 | 14.56 | 0.00 | 1.41 | 0.80 | 0.45 | 2.66 | 0.00 | 0.00 | 2.7 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.617 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 371 | EP | 5 | 1.70 | 0.041 | 20.00 | 0.0 | 6.53 | 14.52 | 0.00 | 1.41 | 0.79 | 0.45 | 2.65 | 0.00 | 0.00 | 2.7 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.618 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 372 | EP | 5 | 1.60 | 0.041 | 20.00 | 0.0 | 6.53 | 14.47 | 0.00 | 1.41 | 0.79 | 0.45 | 2.65 | 0.00 | 0.00 | 2.7 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.620 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 373 | EP | 5 | 1.50 | 0.041 | 20.00 | 0.0 | 6.54 | 14.43 | 0.00 | 1.41 | 0.78 | 0.46 | 2.64 | 0.00 | 0.00 | 2.6 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.621 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 374 | EP | 5 | 1.40 | 0.042 | 20.00 | 0.0 | 6.55 | 14.39 | 0.00 | 1.40 | 0.77 | 0.46 | 2.64 | 0.00 | 0.00 | 2.6 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.622 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 375 | EP | 5 | 1.30 | 0.042 | 20.00 | 0.0 | 6.55 | 14.34 | 0.00 | 1.40 | 0.77 | 0.46 | 2.63 | 0.00 | 0.00 | 2.6 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.623 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 376 | EP | 5 | 1.20 | 0.042 | 20.00 | 0.0 | 6.56 | 14.30 | 0.00 | 1.40 | 0.76 | 0.47 | 2.63 | 0.00 | 0.00 | 2.6 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.624 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 377 | EP | 5 | 1.10 | 0.042 | 20.00 | 0.0 | 6.56 | 14.26 | 0.00 | 1.40 | 0.75 | 0.47 | 2.62 | 0.00 | 0.00 | 2.5 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.625 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 378 | EP | 5 | 1.00 | 0.042 | 20.00 | 0.0 | 6.57 | 14.22 | 0.00 | 1.40 | 0.75 | 0.47 | 2.62 | 0.00 | 0.00 | 2.5 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.626 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 379 | EP | 5 | 0.90 | 0.042 | 20.00 | 0.0 | 6.57 | 14.18 | 0.00 | 1.40 | 0.74 | 0.47 | 2.61 | 0.00 | 0.00 | 2.5 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.627 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 380 | EP | 5 | 0.80 | 0.042 | 20.00 | 0.0 | 6.58 | 14.13 | 0.00 | 1.40 | 0.73 | 0.48 | 2.61 | 0.00 | 0.00 | 2.5 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.628 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 381 | EP | 5 | 0.70 | 0.042 | 20.00 | 0.0 | 6.58 | 14.09 | 0.00 | 1.40 | 0.73 | 0.48 | 2.60 | 0.00 | 0.00 | 2.4 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.630 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 382 | EP | 5 | 0.60 | 0.042 | 20.00 | 0.0 | 6.59 | 14.05 | 0.00 | 1.40 | 0.72 | 0.48 | 2.60 | 0.00 | 0.00 | 2.4 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.631 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 383 | EP | 5 | 0.50 | 0.042 | 20.00 | 0.0 | 6.59 | 14.01 | 0.00 | 1.39 | 0.72 | 0.48 | 2.59 | 0.00 | 0.00 | 2.4 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.632 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 384 | EP | 5 | 0.40 | 0.043 | 20.00 | 0.0 | 6.59 | 13.97 | 0.00 | 1.39 | 0.71 | 0.49 | 2.59 | 0.00 | 0.00 | 2.4 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.633 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 385 | EP | 5 | 0.30 | 0.043 | 20.00 | 0.0 | 6.60 | 13.93 | 0.00 | 1.39 | 0.70 | 0.49 | 2.58 | 0.00 | 0.00 | 2.3 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.634 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 386 | EP | 5 | 0.20 | 0.043 | 20.00 | 0.0 | 6.60 | 13.89 | 0.00 | 1.39 | 0.70 | 0.49 | 2.58 | 0.00 | 0.00 | 2.3 | 0.0 | 0.40 | 3.9 | 0.028 | 0.028 | 9.092 | 2.635 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 387 | EP | 5 | 0.10 | 0.043 | 20.00 | 0.0 | 6.61 | 13.85 | 0.00 | 1.39 | 0.69 | 0.49 | 2.57 | 0.00 | 0.00 | 2.3 | 0.0 | 0.40 | 3.9 | 0.028 | 0.028 | 9.092 | 2.636 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 388 | EP | 5 | 0.00 | 0.043 | 20.00 | 0.0 | 6.61 | 13.81 | 0.00 | 1.39 | 0.69 | 0.49 | 2.57 | 0.00 | 0.00 | 2.2 | 0.0 | 0.40 | 3.9 | 0.028 | 0.028 | 9.092 | 2.637 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |

CAPSULE SUMMARY FOR Arnold's Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | AC | 7 | 7.30 | 0.028 | 20.00 | 0.0 | 7.10 | 23.53 | 0.00 | 0.94 | 0.53 | 0.18 | 1.66 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 488 | AC | 7 | 7.20 | 0.028 | 20.00 | 0.0 | 7.31 | 23.41 | 0.00 | 0.94 | 0.52 | 0.18 | 1.65 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 489 | AC | 7 | 7.10 | 0.028 | 20.00 | 0.0 | 7.49 | 23.30 | 0.00 | 0.94 | 0.52 | 0.19 | 1.64 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 490 | AC | 7 | 7.00 | 0.028 | 20.00 | 0.0 | 7.65 | 23.18 | 0.00 | 0.94 | 0.51 | 0.19 | 1.64 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 491 | AC | 7 | 6.90 | 0.028 | 20.00 | 0.0 | 7.78 | 23.06 | 0.00 | 0.94 | 0.50 | 0.19 | 1.63 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 492 | AC | 7 | 6.80 | 0.028 | 20.00 | 0.0 | 7.89 | 22.95 | 0.00 | 0.94 | 0.49 | 0.19 | 1.62 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 493 | AC | 7 | 6.70 | 0.028 | 20.00 | 0.0 | 7.99 | 22.83 | 0.00 | 0.94 | 0.49 | 0.19 | 1.62 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 494 | AC | 7 | 6.60 | 0.028 | 20.00 | 0.0 | 8.07 | 22.72 | 0.00 | 0.94 | 0.48 | 0.19 | 1.61 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 495 | AC | 7 | 6.50 | 0.028 | 20.00 | 0.0 | 8.14 | 22.60 | 0.00 | 0.94 | 0.47 | 0.19 | 1.60 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 496 | AC | 7 | 6.40 | 0.028 | 20.00 | 0.0 | 8.20 | 22.49 | 0.00 | 0.93 | 0.47 | 0.19 | 1.60 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 497 | AC | 7 | 6.30 | 0.028 | 20.00 | 0.0 | 8.25 | 22.37 | 0.00 | 0.93 | 0.46 | 0.20 | 1.59 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 498 | AC | 7 | 6.20 | 0.028 | 20.00 | 0.0 | 8.29 | 22.26 | 0.00 | 0.93 | 0.45 | 0.20 | 1.58 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| WASTELOAD # 499 (LAG750157) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 499 | AC | 7 | 6.10 | 0.028 | 20.00 | 0.0 | 8.29 | 22.02 | 0.00 | 0.93 | 0.44 | 0.21 | 1.58 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 500 | AC | 7 | 6.00 | 0.028 | 20.00 | 0.0 | 8.33 | 21.91 | 0.00 | 0.93 | 0.44 | 0.21 | 1.57 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 501 | AC | 7 | 5.90 | 0.028 | 20.00 | 0.0 | 8.36 | 21.80 | 0.00 | 0.92 | 0.43 | 0.21 | 1.56 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 502 | AC | 7 | 5.80 | 0.028 | 20.00 | 0.0 | 8.39 | 21.69 | 0.00 | 0.92 | 0.43 | 0.21 | 1.56 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 503 | AC | 7 | 5.70 | 0.028 | 20.00 | 0.0 | 8.42 | 21.58 | 0.00 | 0.92 | 0.42 | 0.21 | 1.55 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 504 | AC | 7 | 5.60 | 0.028 | 20.00 | 0.0 | 8.44 | 21.47 | 0.00 | 0.92 | 0.41 | 0.21 | 1.54 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 505 | AC | 7 | 5.50 | 0.028 | 20.00 | 0.0 | 8.46 | 21.36 | 0.00 | 0.92 | 0.41 | 0.21 | 1.54 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 506 | AC | 7 | 5.40 | 0.028 | 20.00 | 0.0 | 8.48 | 21.25 | 0.00 | 0.92 | 0.40 | 0.21 | 1.53 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 507 | AC | 7 | 5.30 | 0.028 | 20.00 | 0.0 | 8.50 | 21.15 | 0.00 | 0.92 | 0.40 | 0.21 | 1.52 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 508 | AC | 7 | 5.20 | 0.028 | 20.00 | 0.0 | 8.51 | 21.04 | 0.00 | 0.92 | 0.39 | 0.21 | 1.52 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 509 | AC | 7 | 5.10 | 0.028 | 20.00 | 0.0 | 8.52 | 20.93 | 0.00 | 0.92 | 0.39 | 0.21 | 1.51 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 510 | AC | 7 | 5.00 | 0.028 | 20.00 | 0.0 | 8.53 | 20.83 | 0.00 | 0.92 | 0.38 | 0.20 | 1.50 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 511 | AC | 7 | 4.90 | 0.028 | 20.00 | 0.0 | 8.54 | 20.72 | 0.00 | 0.92 | 0.38 | 0.20 | 1.50 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 512 | AC | 7 | 4.80 | 0.028 | 20.00 | 0.0 | 8.55 | 20.62 | 0.00 | 0.92 | 0.37 | 0.20 | 1.49 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 513 | AC | 7 | 4.70 | 0.028 | 20.00 | 0.0 | 8.56 | 20.51 | 0.00 | 0.91 | 0.37 | 0.20 | 1.48 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 514 | AC | 7 | 4.60 | 0.028 | 20.00 | 0.0 | 8.57 | 20.41 | 0.00 | 0.91 | 0.36 | 0.20 | 1.48 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 515 | AC | 7 | 4.50 | 0.028 | 20.00 | 0.0 | 8.57 | 20.31 | 0.00 | 0.91 | 0.36 | 0.20 | 1.47 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 516 | AC | 7 | 4.40 | 0.028 | 20.00 | 0.0 | 8.58 | 20.21 | 0.00 | 0.91 | 0.35 | 0.20 | 1.46 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 517 | AC | 7 | 4.30 | 0.028 | 20.00 | 0.0 | 8.58 | 20.10 | 0.00 | 0.91 | 0.35 | 0.20 | 1.46 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 518 | AC | 7 | 4.20 | 0.028 | 20.00 | 0.0 | 8.59 | 20.00 | 0.00 | 0.91 | 0.34 | 0.20 | 1.45 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 519 | AC | 7 | 4.10 | 0.028 | 20.00 | 0.0 | 8.60 | 19.90 | 0.00 | 0.91 | 0.34 | 0.20 | 1.44 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 520 | AC | 7 | 4.00 | 0.028 | 20.00 | 0.0 | 8.60 | 19.80 | 0.00 | 0.91 | 0.33 | 0.19 | 1.44 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 521 | AC | 7 | 3.90 | 0.028 | 20.00 | 0.0 | 8.60 | 19.70 | 0.00 | 0.91 | 0.33 | 0.19 | 1.43 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 522 | AC | 7 | 3.80 | 0.028 | 20.00 | 0.0 | 8.61 | 19.60 | 0.00 | 0.91 | 0.32 | 0.19 | 1.42 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 523 | AC | 7 | 3.70 | 0.028 | 20.00 | 0.0 | 8.61 | 19.50 | 0.00 | 0.91 | 0.32 | 0.19 | 1.42 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 524 | AC | 7 | 3.60 | 0.028 | 20.00 | 0.0 | 8.62 | 19.41 | 0.00 | 0.91 | 0.31 | 0.19 | 1.41 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 525 | AC | 7 | 3.50 | 0.028 | 20.00 | 0.0 | 8.62 | 19.31 | 0.00 | 0.90 | 0.31 | 0.19 | 1.40 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 526 | AC | 7 | 3.40 | 0.028 | 20.00 | 0.0 | 8.63 | 19.21 | 0.00 | 0.90 | 0.31 | 0.19 | 1.40 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 527 | AC | 7 | 3.30 | 0.028 | 20.00 | 0.0 | 8.63 | 19.11 | 0.00 | 0.90 | 0.30 | 0.18 | 1.39 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 528 | AC | 7 | 3.20 | 0.028 | 20.00 | 0.0 | 8.63 | 19.02 | 0.00 | 0.90 | 0.30 | 0.18 | 1.38 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 529 | AC | 7 | 3.10 | 0.028 | 20.00 | 0.0 | 8.64 | 18.92 | 0.00 | 0.90 | 0.29 | 0.18 | 1.38 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 530 | AC | 7 | 3.00 | 0.028 | 20.00 | 0.0 | 8.64 | 18.83 | 0.00 | 0.90 | 0.29 | 0.18 | 1.37 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 531 | AC | 7 | 2.90 | 0.028 | 20.00 | 0.0 | 8.64 | 18.73 | 0.00 | 0.90 | 0.29 | 0.18 | 1.36 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 532 | AC | 7 | 2.80 | 0.028 | 20.00 | 0.0 | 8.65 | 18.64 | 0.00 | 0.90 | 0.28 | 0.17 | 1.36 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 533 | AC | 7 | 2.70 | 0.028 | 20.00 | 0.0 | 8.65 | 18.54 | 0.00 | 0.90 | 0.28 | 0.17 | 1.35 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| WASTELOAD # 534 (LAG540662) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 534 | AC | 7 | 2.60 | 0.028 | 20.00 | 0.0 | 8.65 | 18.44 | 0.00 | 0.90 | 0.27 | 0.17 | 1.34 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 535 | AC | 7 | 2.50 | 0.028 | 20.00 | 0.0 | 8.65 | 18.35 | 0.00 | 0.90 | 0.27 | 0.17 | 1.34 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 536 | AC | 7 | 2.40 | 0.028 | 20.00 | 0.0 | 8.66 | 18.25 | 0.00 | 0.90 | 0.27 | 0.17 | 1.33 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 537 | AC | 7 | 2.30 | 0.028 | 20.00 | 0.0 | 8.66 | 18.16 | 0.00 | 0.89 | 0.26 | 0.17 | 1.32 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 538 | AC | 7 | 2.20 | 0.028 | 20.00 | 0.0 | 8.66 | 18.07 | 0.00 | 0.89 | 0.26 | 0.16 | 1.32 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 539 | AC | 7 | 2.10 | 0.028 | 20.00 | 0.0 | 8.67 | 17.98 | 0.00 | 0.89 | 0.26 | 0.16 | 1.31 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 540 | AC | 7 | 2.00 | 0.028 | 20.00 | 0.0 | 8.67 | 17.89 | 0.00 | 0.89 | 0.25 | 0.16 | 1.30 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 541 | AC | 7 | 1.90 | 0.028 | 20.00 | 0.0 | 8.67 | 17.80 | 0.00 | 0.89 | 0.25 | 0.16 | 1.30 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 542 | AC | 7 | 1.80 | 0.028 | 20.00 | 0.0 | 8.67 | 17.71 | 0.00 | 0.89 | 0.25 | 0.15 | 1.29 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 543 | AC | 7 | 1.70 | 0.028 | 20.00 | 0.0 | 8.68 | 17.62 | 0.00 | 0.89 | 0.24 | 0.15 | 1.29 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 544 | AC | 7 | 1.60 | 0.028 | 20.00 | 0.0 | 8.68 | 17.53 | 0.00 | 0.89 | 0.24 | 0.15 | 1.28 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 545 | AC | 7 | 1.50 | 0.028 | 20.00 | 0.0 | 8.68 | 17.45 | 0.00 | 0.89 | 0.24 | 0.15 | 1.27 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| WASTELOAD # 546 (LAG531467) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 546 | AC | 7 | 1.40 | 0.029 | 20.00 | 0.0 | 8.59 | 18.10 | 0.00 | 0.95 | 0.37 | 0.17 | 1.50 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 547 | AC | 7 | 1.30 | 0.029 | 20.00 | 0.0 | 8.60 | 18.02 | 0.00 | 0.95 | 0.37 | 0.17 | 1.49 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 548 | AC | 7 | 1.20 | 0.029 | 20.00 | 0.0 | 8.61 | 17.93 | 0.00 | 0.95 | 0.36 | 0.17 | 1.48 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 549 | AC | 7 | 1.10 | 0.029 | 20.00 | 0.0 | 8.61 | 17.84 | 0.00 | 0.94 | 0.36 | 0.17 | 1.48 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 550 | AC | 7 | 1.00 | 0.029 | 20.00 | 0.0 | 8.62 | 17.75 | 0.00 | 0.94 | 0.35 | 0.17 | 1.47 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 551 | AC | 7 | 0.90 | 0.029 | 20.00 | 0.0 | 8.62 | 17.66 | 0.00 | 0.94 | 0.35 | 0.17 | 1.46 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 552 | AC | 7 | 0.80 | 0.029 | 20.00 | 0.0 | 8.63 | 17.57 | 0.00 | 0.94 | 0.35 | 0.17 | 1.46 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 553 | AC | 7 | 0.70 | 0.029 | 20.00 | 0.0 | 8.63 | 17.49 | 0.00 | 0.94 | 0.34 | 0.17 | 1.45 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 554 | AC | 7 | 0.60 | 0.029 | 20.00 | 0.0 | 8.64 | 17.40 | 0.00 | 0.94 | 0.34 | 0.17 | 1.44 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 555 | AC | 7 | 0.50 | 0.029 | 20.00 | 0.0 | 8.64 | 17.31 | 0.00 | 0.94 | 0.33 | 0.17 | 1.44 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 556 | AC | 7 | 0.40 | 0.029 | 20.00 | 0.0 | 8.65 | 17.23 | 0.00 | 0.94 | 0.33 | 0.16 | 1.43 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 557 | AC | 7 | 0.30 | 0.029 | 20.00 | 0.0 | 8.65 | 17.14 | 0.00 | 0.94 | 0.32 | 0.16 | 1.42 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |

CAPSULE SUMMARY FOR Arnold's Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 558 | AC 7 | 0.20 | 0.029 | 20.00 | 0.0 | 8.65 | 17.06 | 0.00 | 0.94 | 0.32 | 0.16 | 1.42 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 559 | AC 7 | 0.10 | 0.029 | 20.00 | 0.0 | 8.66 | 16.97 | 0.00 | 0.94 | 0.31 | 0.16 | 1.41 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 560 | AC 7 | 0.00 | 0.029 | 20.00 | 0.0 | 8.66 | 16.89 | 0.00 | 0.94 | 0.31 | 0.16 | 1.41 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |

FINAL REPORT Pont. Creek — LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 1 Pontchatoula (Head to PTS) — Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 0.02830 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 15.84 | 0.00 | 16.00 | 0.00 | 1.29 | 0.30 | 0.07 | 0.00 | 1.50 | 0.00 | 0.00 |
| 21 | WSTLD | 0.00004 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | WSTLD | 0.00120 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 71.50 | 0.00 | 71.50 | 0.00 | 5.20 | 10.36 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | WSTLD | 0.00120 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 71.50 | 0.00 | 71.50 | 0.00 | 5.20 | 10.36 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | WSTLD | 0.00105 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.60 | 40.50 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.05 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 2 | 40.50 | 40.40 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.10 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 3 | 40.40 | 40.30 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.15 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 4 | 40.30 | 40.20 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.20 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 5 | 40.20 | 40.10 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.26 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 6 | 40.10 | 40.00 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.31 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 7 | 40.00 | 39.90 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.36 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 8 | 39.90 | 39.80 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.41 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 9 | 39.80 | 39.70 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.46 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 10 | 39.70 | 39.60 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.51 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 11 | 39.60 | 39.50 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.56 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 12 | 39.50 | 39.40 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.61 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 13 | 39.40 | 39.30 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.67 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 14 | 39.30 | 39.20 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.72 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 15 | 39.20 | 39.10 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.77 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 16 | 39.10 | 39.00 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.82 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 17 | 39.00 | 38.90 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.87 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 18 | 38.90 | 38.80 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.92 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 19 | 38.80 | 38.70 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.97 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 20 | 38.70 | 38.60 | 0.02830 | 0.0 | 0.02262 | 0.05 | 1.02 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 21 | 38.60 | 38.50 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.07 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 22 | 38.50 | 38.40 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.13 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 23 | 38.40 | 38.30 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.18 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 24 | 38.30 | 38.20 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.23 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 25 | 38.20 | 38.10 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.28 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 26 | 38.10 | 38.00 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.33 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 27 | 38.00 | 37.90 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.38 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 28 | 37.90 | 37.80 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.43 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 29 | 37.80 | 37.70 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.48 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 30 | 37.70 | 37.60 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.53 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 31 | 37.60 | 37.50 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.59 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 32 | 37.50 | 37.40 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.64 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 33 | 37.40 | 37.30 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.69 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 34 | 37.30 | 37.20 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.74 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 35 | 37.20 | 37.10 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.79 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 36 | 37.10 | 37.00 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.84 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 37 | 37.00 | 36.90 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.89 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 38 | 36.90 | 36.80 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.94 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 39 | 36.80 | 36.70 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.99 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 40 | 36.70 | 36.60 | 0.02834 | 0.1 | 0.02264 | 0.05 | 2.05 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 41 | 36.60 | 36.50 | 0.02834 | 0.1 | 0.02264 | 0.05 | 2.10 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 42 | 36.50 | 36.40 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.15 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 43 | 36.40 | 36.30 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.20 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 44 | 36.30 | 36.20 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.24 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 45 | 36.20 | 36.10 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.29 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 46 | 36.10 | 36.00 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.34 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 36.00 | 35.90 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.39 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 48 | 35.90 | 35.80 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.44 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 49 | 35.80 | 35.70 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.49 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 50 | 35.70 | 35.60 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.54 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 51 | 35.60 | 35.50 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.59 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 52 | 35.50 | 35.40 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.64 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 53 | 35.40 | 35.30 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.69 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 54 | 35.30 | 35.20 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.74 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 55 | 35.20 | 35.10 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.79 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 56 | 35.10 | 35.00 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.84 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 57 | 35.00 | 34.90 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.89 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 58 | 34.90 | 34.80 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.94 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 59 | 34.80 | 34.70 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.98 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 60 | 34.70 | 34.60 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.03 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 61 | 34.60 | 34.50 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.08 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 62 | 34.50 | 34.40 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.13 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 63 | 34.40 | 34.30 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.18 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 64 | 34.30 | 34.20 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.23 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 65 | 34.20 | 34.10 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.28 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 66 | 34.10 | 34.00 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.33 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 67 | 34.00 | 33.90 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.38 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 68 | 33.90 | 33.80 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.43 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 69 | 33.80 | 33.70 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.48 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 70 | 33.70 | 33.60 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.53 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 71 | 33.60 | 33.50 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.58 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 72 | 33.50 | 33.40 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.63 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 73 | 33.40 | 33.30 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.67 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 74 | 33.30 | 33.20 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.72 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 75 | 33.20 | 33.10 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.77 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 76 | 33.10 | 33.00 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.82 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 77 | 33.00 | 32.90 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.87 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 78 | 32.90 | 32.80 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.92 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 79 | 32.80 | 32.70 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.97 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 80 | 32.70 | 32.60 | 0.02954 | 4.2 | 0.02348 | 0.05 | 4.02 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 81 | 32.60 | 32.50 | 0.02954 | 4.2 | 0.02348 | 0.05 | 4.07 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 82 | 32.50 | 32.40 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.12 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 83 | 32.40 | 32.30 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.16 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 84 | 32.30 | 32.20 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.21 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 85 | 32.20 | 32.10 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.26 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 86 | 32.10 | 32.00 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.31 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 87 | 32.00 | 31.90 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.35 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 88 | 31.90 | 31.80 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.40 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 89 | 31.80 | 31.70 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.45 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 90 | 31.70 | 31.60 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.50 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 91 | 31.60 | 31.50 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.55 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 92 | 31.50 | 31.40 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.59 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 93 | 31.40 | 31.30 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.64 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 94 | 31.30 | 31.20 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.69 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 95 | 31.20 | 31.10 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.73 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 96 | 31.10 | 31.00 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.78 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 97 | 31.00 | 30.90 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.82 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 98 | 30.90 | 30.80 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.87 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 99 | 30.80 | 30.70 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.92 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 100 | 30.70 | 30.60 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.96 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 101 | 30.60 | 30.50 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.01 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 102 | 30.50 | 30.40 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.06 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 103 | 30.40 | 30.30 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.10 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 104 | 30.30 | 30.20 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.15 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 105 | 30.20 | 30.10 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.19 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 106 | 30.10 | 30.00 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.24 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 107 | 30.00 | 29.90 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.29 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 108 | 29.90 | 29.80 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.33 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 109 | 29.80 | 29.70 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.38 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 110 | 29.70 | 29.60 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.42 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 111 | 29.60 | 29.50 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.47 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 112 | 29.50 | 29.40 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.52 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 113 | 29.40 | 29.30 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.56 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 114 | 29.30 | 29.20 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.61 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 115 | 29.20 | 29.10 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.66 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 116 | 29.10 | 29.00 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.70 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 117 | 29.00 | 28.90 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.75 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 118 | 28.90 | 28.80 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.79 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 119 | 28.80 | 28.70 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.84 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 120 | 28.70 | 28.60 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.89 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 121 | 28.60 | 28.50 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.93 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 122 | 28.50 | 28.40 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.98 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| TOT | | | | | | 5.98 | | | | 15365.13 | 33428.00 | | | | | |
| AVG | | | | | 0.0236 | | | 0.46 | 2.74 | | | 1.26 | | | | |

************************************************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **************************************************************************

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD1 DECAY | BOD1 SETT | ABOD1 DECAY | BOD1 HYDR | BOD2 DECAY | BOD2 SETT | ABOD2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORG-N HYDR | ORG-N SETT | NH3-N DECAY | NH3-N SRCE | DENIT RATE | ORG-P HYDR | ORG-P SETT | PO4 SRCE | PHYTO PROD | PERIP PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | 1/da | 1/da | * | ** | ** | 1/da | 1/da | 1/da |
| 1 | 40.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 40.400 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 40.300 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 40.200 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 40.100 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 40.000 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 39.900 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 39.800 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 39.700 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 39.600 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 39.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 39.400 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 39.300 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 39.200 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 39.100 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 39.000 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 38.900 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 38.800 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 38.700 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 38.600 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 38.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 38.400 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 38.300 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 38.200 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 38.100 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 38.000 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 37.900 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 37.800 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 37.700 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 37.600 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 37.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 37.400 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 37.300 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 37.200 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 37.100 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 37.000 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 36.900 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 36.800 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 36.700 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 36.600 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 36.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 36.400 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 36.300 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 36.200 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 36.100 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 36.000 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 35.900 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 35.800 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 35.700 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 35.600 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 35.500 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 35.400 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 35.300 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 35.200 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 35.100 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 35.000 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 34.900 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 34.800 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 34.700 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 34.600 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 34.500 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 34.400 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63 | 34.300 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 34.200 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 34.100 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 34.000 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 33.900 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 33.800 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 33.700 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 33.600 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 33.500 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 33.400 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 33.300 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 33.200 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 33.100 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 33.000 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 32.900 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 32.800 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 32.700 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 32.600 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 32.500 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 32.400 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 32.300 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 32.200 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 32.100 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 32.000 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 31.900 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 31.800 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 31.700 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 31.600 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 31.500 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 31.400 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 31.300 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 31.200 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 31.100 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 31.000 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 30.900 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 30.800 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 30.700 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 30.600 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 30.500 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 30.400 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 30.300 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 30.200 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 30.100 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 30.000 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 29.900 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 29.800 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 29.700 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 29.600 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 29.500 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 29.400 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 29.300 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 29.200 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 29.100 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 29.000 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 28.900 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 28.800 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 28.700 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 28.600 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 28.500 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 28.400 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.18 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.04 | 15.80 | 0.00 | 15.96 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 2 | 40.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.22 | 15.75 | 0.00 | 15.91 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 3 | 40.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.38 | 15.71 | 0.00 | 15.87 | 0.00 | 1.28 | 0.29 | 0.08 | 1.65 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 4 | 40.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.52 | 15.67 | 0.00 | 15.83 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 40.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.65 | 15.63 | 0.00 | 15.79 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 6 | 40.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.76 | 15.58 | 0.00 | 15.74 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 7 | 39.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 15.54 | 0.00 | 15.70 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 8 | 39.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.96 | 15.50 | 0.00 | 15.66 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 9 | 39.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.05 | 15.46 | 0.00 | 15.62 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 10 | 39.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.12 | 15.41 | 0.00 | 15.57 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 11 | 39.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.19 | 15.37 | 0.00 | 15.53 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 12 | 39.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.25 | 15.33 | 0.00 | 15.49 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 13 | 39.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.31 | 15.29 | 0.00 | 15.45 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 14 | 39.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.36 | 15.25 | 0.00 | 15.41 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 15 | 39.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.41 | 15.20 | 0.00 | 15.36 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 16 | 39.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.45 | 15.16 | 0.00 | 15.32 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 17 | 38.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 15.12 | 0.00 | 15.28 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 18 | 38.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 15.08 | 0.00 | 15.24 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 19 | 38.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 15.04 | 0.00 | 15.20 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 20 | 38.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 15.00 | 0.00 | 15.16 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 21 | 38.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 14.93 | 0.00 | 15.09 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 1.27 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 22 | 38.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 14.89 | 0.00 | 15.05 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 1.27 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 23 | 38.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 14.85 | 0.00 | 15.01 | 0.00 | 1.26 | 0.26 | 0.12 | 1.63 | 1.27 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 24 | 38.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 14.81 | 0.00 | 14.97 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 25 | 38.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 14.77 | 0.00 | 14.93 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 26 | 38.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 14.73 | 0.00 | 14.89 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 27 | 37.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 14.69 | 0.00 | 14.85 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 28 | 37.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 14.65 | 0.00 | 14.81 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 29 | 37.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.61 | 0.00 | 14.77 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 30 | 37.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.74 | 14.57 | 0.00 | 14.73 | 0.00 | 1.26 | 0.24 | 0.13 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 31 | 37.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.75 | 14.53 | 0.00 | 14.69 | 0.00 | 1.26 | 0.24 | 0.13 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 32 | 37.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.76 | 14.48 | 0.00 | 14.65 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 33 | 37.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.77 | 14.44 | 0.00 | 14.60 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 34 | 37.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.77 | 14.40 | 0.00 | 14.56 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 35 | 37.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.78 | 14.36 | 0.00 | 14.52 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 36 | 37.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.79 | 14.32 | 0.00 | 14.48 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 37 | 36.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.79 | 14.28 | 0.00 | 14.44 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 38 | 36.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.80 | 14.25 | 0.00 | 14.41 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 39 | 36.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.80 | 14.21 | 0.00 | 14.37 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 40 | 36.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.81 | 14.17 | 0.00 | 14.33 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 41 | 36.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.81 | 14.13 | 0.00 | 14.29 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 42 | 36.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.41 | 0.00 | 16.57 | 0.00 | 1.41 | 0.63 | 0.22 | 2.26 | 1.42 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 43 | 36.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 16.37 | 0.00 | 16.53 | 0.00 | 1.41 | 0.63 | 0.22 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 44 | 36.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.57 | 16.32 | 0.00 | 16.48 | 0.00 | 1.41 | 0.62 | 0.23 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 45 | 36.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 16.28 | 0.00 | 16.44 | 0.00 | 1.41 | 0.62 | 0.23 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 46 | 36.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 16.23 | 0.00 | 16.39 | 0.00 | 1.41 | 0.62 | 0.24 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 47 | 35.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 16.19 | 0.00 | 16.35 | 0.00 | 1.41 | 0.61 | 0.24 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 48 | 35.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 16.14 | 0.00 | 16.30 | 0.00 | 1.40 | 0.61 | 0.24 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 49 | 35.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 16.10 | 0.00 | 16.26 | 0.00 | 1.40 | 0.60 | 0.25 | 2.25 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 50 | 35.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 16.05 | 0.00 | 16.21 | 0.00 | 1.40 | 0.60 | 0.25 | 2.25 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 51 | 35.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 16.01 | 0.00 | 16.17 | 0.00 | 1.40 | 0.59 | 0.26 | 2.25 | 1.42 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 52 | 35.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 15.97 | 0.00 | 16.13 | 0.00 | 1.40 | 0.59 | 0.26 | 2.25 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 53 | 35.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 15.92 | 0.00 | 16.08 | 0.00 | 1.40 | 0.58 | 0.26 | 2.25 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 54 | 35.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 15.88 | 0.00 | 16.04 | 0.00 | 1.40 | 0.58 | 0.27 | 2.25 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 55 | 35.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 15.83 | 0.00 | 15.99 | 0.00 | 1.40 | 0.57 | 0.27 | 2.24 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 56 | 35.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 15.79 | 0.00 | 15.95 | 0.00 | 1.40 | 0.57 | 0.27 | 2.24 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 57 | 34.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 15.74 | 0.00 | 15.90 | 0.00 | 1.40 | 0.57 | 0.28 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 58 | 34.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 15.70 | 0.00 | 15.86 | 0.00 | 1.40 | 0.56 | 0.28 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 59 | 34.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 15.66 | 0.00 | 15.82 | 0.00 | 1.40 | 0.56 | 0.28 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 60 | 34.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 15.61 | 0.00 | 15.77 | 0.00 | 1.40 | 0.55 | 0.29 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 61 | 34.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 15.57 | 0.00 | 15.73 | 0.00 | 1.40 | 0.55 | 0.29 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 62 | 34.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 15.52 | 0.00 | 15.68 | 0.00 | 1.39 | 0.54 | 0.29 | 2.23 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 63 | 34.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 15.48 | 0.00 | 15.64 | 0.00 | 1.39 | 0.54 | 0.30 | 2.23 | 1.41 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 64 | 34.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 15.44 | 0.00 | 15.60 | 0.00 | 1.39 | 0.54 | 0.30 | 2.23 | 1.41 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 65 | 34.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 15.39 | 0.00 | 15.55 | 0.00 | 1.39 | 0.53 | 0.30 | 2.23 | 1.41 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 66 | 34.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 15.35 | 0.00 | 15.51 | 0.00 | 1.39 | 0.53 | 0.31 | 2.23 | 1.40 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 67 | 33.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 15.31 | 0.00 | 15.47 | 0.00 | 1.39 | 0.52 | 0.31 | 2.23 | 1.40 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 68 | 33.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 15.26 | 0.00 | 15.42 | 0.00 | 1.39 | 0.52 | 0.31 | 2.22 | 1.40 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 69 | 33.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 15.22 | 0.00 | 15.38 | 0.00 | 1.39 | 0.52 | 0.32 | 2.22 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 70 | 33.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 15.18 | 0.00 | 15.34 | 0.00 | 1.39 | 0.51 | 0.32 | 2.22 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 71 | 33.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 15.13 | 0.00 | 15.29 | 0.00 | 1.39 | 0.51 | 0.32 | 2.22 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 72 | 33.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 15.09 | 0.00 | 15.25 | 0.00 | 1.39 | 0.50 | 0.32 | 2.22 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 73 | 33.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 15.05 | 0.00 | 15.21 | 0.00 | 1.39 | 0.50 | 0.33 | 2.21 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 74 | 33.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 15.00 | 0.00 | 15.16 | 0.00 | 1.39 | 0.50 | 0.33 | 2.21 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 75 | 33.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 14.96 | 0.00 | 15.12 | 0.00 | 1.39 | 0.49 | 0.33 | 2.21 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 76 | 33.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 14.92 | 0.00 | 15.08 | 0.00 | 1.39 | 0.49 | 0.33 | 2.21 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 77 | 32.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.88 | 0.00 | 15.04 | 0.00 | 1.38 | 0.49 | 0.34 | 2.21 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 78 | 32.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.83 | 0.00 | 14.99 | 0.00 | 1.38 | 0.48 | 0.34 | 2.21 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 79 | 32.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.79 | 0.00 | 14.95 | 0.00 | 1.38 | 0.48 | 0.34 | 2.20 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 80 | 32.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.75 | 0.00 | 14.91 | 0.00 | 1.38 | 0.48 | 0.34 | 2.20 | 1.40 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 81 | 32.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.71 | 0.00 | 14.87 | 0.00 | 1.38 | 0.47 | 0.35 | 2.20 | 1.39 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 82 | 32.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 16.88 | 0.00 | 17.04 | 0.00 | 1.53 | 0.85 | 0.42 | 2.80 | 1.54 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 83 | 32.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.49 | 16.83 | 0.00 | 16.99 | 0.00 | 1.53 | 0.84 | 0.42 | 2.80 | 1.54 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 84 | 32.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 16.78 | 0.00 | 16.94 | 0.00 | 1.53 | 0.84 | 0.43 | 2.79 | 1.54 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 85 | 32.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 16.73 | 0.00 | 16.89 | 0.00 | 1.53 | 0.83 | 0.43 | 2.79 | 1.54 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 86 | 32.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 16.69 | 0.00 | 16.85 | 0.00 | 1.53 | 0.83 | 0.44 | 2.79 | 1.54 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 87 | 31.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 16.64 | 0.00 | 16.80 | 0.00 | 1.53 | 0.82 | 0.44 | 2.79 | 1.54 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 88 | 31.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 16.59 | 0.00 | 16.75 | 0.00 | 1.53 | 0.81 | 0.44 | 2.78 | 1.54 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 89 | 31.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 16.55 | 0.00 | 16.71 | 0.00 | 1.53 | 0.81 | 0.45 | 2.78 | 1.54 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 90 | 31.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.50 | 0.00 | 16.66 | 0.00 | 1.52 | 0.80 | 0.45 | 2.78 | 1.54 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 91 | 31.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 16.45 | 0.00 | 16.61 | 0.00 | 1.52 | 0.79 | 0.46 | 2.78 | 1.54 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 92 | 31.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 16.41 | 0.00 | 16.57 | 0.00 | 1.52 | 0.79 | 0.46 | 2.77 | 1.54 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 93 | 31.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.36 | 18.09 | 0.00 | 18.25 | 0.00 | 1.64 | 1.08 | 0.52 | 3.24 | 1.65 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 94 | 31.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.37 | 18.04 | 0.00 | 18.20 | 0.00 | 1.64 | 1.08 | 0.53 | 3.24 | 1.65 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 95 | 31.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.39 | 17.99 | 0.00 | 18.15 | 0.00 | 1.64 | 1.07 | 0.53 | 3.24 | 1.65 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 96 | 31.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.40 | 17.94 | 0.00 | 18.10 | 0.00 | 1.63 | 1.06 | 0.54 | 3.23 | 1.65 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 97 | 30.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.41 | 17.89 | 0.00 | 18.05 | 0.00 | 1.63 | 1.05 | 0.54 | 3.23 | 1.65 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 98 | 30.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.42 | 17.84 | 0.00 | 18.00 | 0.00 | 1.63 | 1.04 | 0.55 | 3.23 | 1.65 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 99 | 30.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.43 | 17.79 | 0.00 | 17.95 | 0.00 | 1.63 | 1.04 | 0.56 | 3.23 | 1.65 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 100 | 30.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.44 | 17.74 | 0.00 | 17.91 | 0.00 | 1.63 | 1.03 | 0.56 | 3.22 | 1.64 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 101 | 30.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.44 | 17.70 | 0.00 | 17.86 | 0.00 | 1.63 | 1.02 | 0.57 | 3.22 | 1.64 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 102 | 30.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.45 | 17.65 | 0.00 | 17.81 | 0.00 | 1.63 | 1.01 | 0.57 | 3.22 | 1.64 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 103 | 30.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.46 | 17.60 | 0.00 | 17.76 | 0.00 | 1.63 | 1.01 | 0.58 | 3.21 | 1.64 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 104 | 30.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.47 | 17.55 | 0.00 | 17.71 | 0.00 | 1.63 | 1.00 | 0.58 | 3.21 | 1.64 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 105 | 30.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.47 | 17.50 | 0.00 | 17.66 | 0.00 | 1.63 | 0.99 | 0.59 | 3.21 | 1.64 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 106 | 30.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 17.45 | 0.00 | 17.61 | 0.00 | 1.63 | 0.98 | 0.60 | 3.21 | 1.64 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 107 | 29.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 17.40 | 0.00 | 17.56 | 0.00 | 1.63 | 0.98 | 0.60 | 3.20 | 1.64 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 108 | 29.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.49 | 17.35 | 0.00 | 17.51 | 0.00 | 1.63 | 0.97 | 0.61 | 3.20 | 1.64 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 109 | 29.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 17.30 | 0.00 | 17.46 | 0.00 | 1.63 | 0.96 | 0.61 | 3.20 | 1.64 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 110 | 29.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 17.25 | 0.00 | 17.41 | 0.00 | 1.62 | 0.95 | 0.62 | 3.19 | 1.64 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 111 | 29.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 17.20 | 0.00 | 17.36 | 0.00 | 1.62 | 0.95 | 0.62 | 3.19 | 1.64 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 112 | 29.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 17.15 | 0.00 | 17.31 | 0.00 | 1.62 | 0.94 | 0.63 | 3.19 | 1.64 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 113 | 29.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 17.10 | 0.00 | 17.26 | 0.00 | 1.62 | 0.93 | 0.63 | 3.18 | 1.63 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 114 | 29.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 17.05 | 0.00 | 17.21 | 0.00 | 1.62 | 0.93 | 0.63 | 3.18 | 1.63 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 115 | 29.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 17.00 | 0.00 | 17.16 | 0.00 | 1.62 | 0.92 | 0.64 | 3.18 | 1.63 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 116 | 29.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 16.96 | 0.00 | 17.12 | 0.00 | 1.62 | 0.91 | 0.64 | 3.18 | 1.63 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 117 | 28.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 16.91 | 0.00 | 17.07 | 0.00 | 1.62 | 0.91 | 0.65 | 3.17 | 1.63 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 118 | 28.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 16.86 | 0.00 | 17.02 | 0.00 | 1.62 | 0.90 | 0.65 | 3.17 | 1.63 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 119 | 28.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 16.81 | 0.00 | 16.97 | 0.00 | 1.62 | 0.89 | 0.66 | 3.17 | 1.63 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 120 | 28.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.76 | 0.00 | 16.92 | 0.00 | 1.62 | 0.89 | 0.66 | 3.16 | 1.63 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 121 | 28.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.71 | 0.00 | 16.87 | 0.00 | 1.62 | 0.88 | 0.66 | 3.16 | 1.63 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |
| 122 | 28.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.66 | 0.00 | 16.82 | 0.00 | 1.62 | 0.87 | 0.67 | 3.16 | 1.63 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 2 | 40.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 3 | 40.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 4 | 40.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 5 | 40.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 6 | 40.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 7 | 39.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 8 | 39.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 9 | 39.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 10 | 39.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 11 | 39.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 12 | 39.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 13 | 39.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 14 | 39.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 15 | 39.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 16 | 39.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 17 | 38.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 18 | 38.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 19 | 38.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 | 38.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 21 | 38.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 22 | 38.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 23 | 38.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 38.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 25 | 38.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 26 | 38.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 27 | 37.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 28 | 37.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 29 | 37.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 30 | 37.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 31 | 37.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 32 | 37.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 33 | 37.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 34 | 37.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 35 | 37.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 36 | 37.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 37 | 36.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 38 | 36.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 39 | 36.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 40 | 36.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 41 | 36.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 42 | 36.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 43 | 36.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 44 | 36.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 45 | 36.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 46 | 36.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 47 | 35.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 48 | 35.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 49 | 35.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 50 | 35.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 51 | 35.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 52 | 35.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 53 | 35.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 54 | 35.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 55 | 35.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 56 | 35.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 57 | 34.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 58 | 34.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 59 | 34.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 60 | 34.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 61 | 34.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 62 | 34.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 63 | 34.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 64 | 34.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 65 | 34.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 66 | 34.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 67 | 33.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 68 | 33.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 69 | 33.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 70 | 33.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 71 | 33.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 72 | 33.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 73 | 33.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 74 | 33.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 75 | 33.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 76 | 33.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 77 | 32.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 78 | 32.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 79 | 32.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 80 | 32.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 81 | 32.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 82 | 32.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 83 | 32.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 84 | 32.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 85 | 32.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 86 | 32.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 87 | 31.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 88 | 31.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 89 | 31.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 90 | 31.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 91 | 31.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 92 | 31.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 93 | 31.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 94 | 31.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 95 | 31.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 96 | 31.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 97 | 30.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 30.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 99 | 30.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 100 | 30.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 101 | 30.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 102 | 30.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 103 | 30.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 104 | 30.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 105 | 30.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 106 | 30.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 107 | 29.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 108 | 29.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 109 | 29.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 110 | 29.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 111 | 29.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 112 | 29.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 113 | 29.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 114 | 29.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 115 | 29.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 116 | 29.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 117 | 28.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 118 | 28.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 119 | 28.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 120 | 28.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 121 | 28.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 122 | 28.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 3 Pontchatoula (PTS to YWRC) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | UPR RCH | 0.03179 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.66 | 0.00 | 16.82 | 0.00 | 1.62 | 0.87 | 0.67 | 0.00 | 1.50 | 0.00 | 0.00 |
| 203 | TRIB | 0.03602 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 20.82 | 0.00 | 20.98 | 0.00 | 3.66 | 0.49 | 0.24 | 0.00 | 1.50 | 0.00 | 0.00 |
| EACH | INCR | 0.00038 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 8.00 | 0.00 | | | 1.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| 213 | WSTLD | 0.00032 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 74.80 | 0.00 | 74.80 | 0.00 | 5.40 | 10.83 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | WSTLD | 0.00028 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 89.00 | 0.00 | 89.00 | 0.00 | 6.40 | 12.89 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | WSTLD | 0.00003 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 103.50 | 0.00 | 103.50 | 0.00 | 7.50 | 15.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | WSTLD | 0.00244 | 20.00 | 0.00 | 0.00 | 0.00 | 4.30 | 53.70 | 0.00 | 53.70 | 0.00 | 3.90 | 7.78 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | WSTLD | -0.05380 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 18.03 | 0.00 | 22.52 | 0.00 | 2.61 | 0.83 | 0.44 | 0.00 | 42.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.40 | 28.30 | 0.06819 | 16.4 | 0.11337 | 0.01 | 5.99 | 0.18 | 3.35 | 60.15 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.113 |
| 204 | 28.30 | 28.20 | 0.06857 | 16.3 | 0.11392 | 0.01 | 6.00 | 0.18 | 3.35 | 60.19 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.114 |
| 205 | 28.20 | 28.10 | 0.06895 | 16.3 | 0.11447 | 0.01 | 6.01 | 0.18 | 3.35 | 60.23 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.114 |
| 206 | 28.10 | 28.00 | 0.06933 | 16.2 | 0.11503 | 0.01 | 6.02 | 0.18 | 3.35 | 60.28 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.115 |
| 207 | 28.00 | 27.90 | 0.06972 | 16.1 | 0.11558 | 0.01 | 6.03 | 0.18 | 3.35 | 60.32 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.116 |
| 208 | 27.90 | 27.80 | 0.07010 | 16.0 | 0.11613 | 0.01 | 6.04 | 0.18 | 3.35 | 60.36 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.116 |
| 209 | 27.80 | 27.70 | 0.07048 | 15.9 | 0.11668 | 0.01 | 6.05 | 0.18 | 3.35 | 60.40 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.117 |
| 210 | 27.70 | 27.60 | 0.07086 | 15.8 | 0.11723 | 0.01 | 6.06 | 0.18 | 3.35 | 60.45 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.117 |
| 211 | 27.60 | 27.50 | 0.07124 | 15.7 | 0.11778 | 0.01 | 6.07 | 0.18 | 3.35 | 60.49 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.118 |
| 212 | 27.50 | 27.40 | 0.07162 | 15.7 | 0.11833 | 0.01 | 6.08 | 0.18 | 3.35 | 60.53 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.118 |
| 213 | 27.40 | 27.30 | 0.07232 | 15.9 | 0.11934 | 0.01 | 6.09 | 0.18 | 3.35 | 60.60 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.119 |
| 214 | 27.30 | 27.20 | 0.07270 | 15.9 | 0.11989 | 0.01 | 6.10 | 0.18 | 3.35 | 60.64 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.120 |
| 215 | 27.20 | 27.10 | 0.07308 | 15.8 | 0.12043 | 0.01 | 6.11 | 0.18 | 3.35 | 60.68 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.120 |
| 216 | 27.10 | 27.00 | 0.07347 | 15.7 | 0.12098 | 0.01 | 6.12 | 0.18 | 3.35 | 60.72 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.121 |
| 217 | 27.00 | 26.90 | 0.07385 | 15.6 | 0.12153 | 0.01 | 6.13 | 0.18 | 3.35 | 60.76 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.122 |
| 218 | 26.90 | 26.80 | 0.07423 | 15.5 | 0.12208 | 0.01 | 6.14 | 0.18 | 3.35 | 60.80 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.122 |
| 219 | 26.80 | 26.70 | 0.07461 | 15.5 | 0.12262 | 0.01 | 6.15 | 0.18 | 3.35 | 60.84 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.123 |
| 220 | 26.70 | 26.60 | 0.07527 | 15.7 | 0.12357 | 0.01 | 6.16 | 0.18 | 3.35 | 60.91 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.124 |
| 221 | 26.60 | 26.50 | 0.07565 | 15.6 | 0.12411 | 0.01 | 6.17 | 0.18 | 3.35 | 60.95 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.124 |
| 222 | 26.50 | 26.40 | 0.07603 | 15.5 | 0.12466 | 0.01 | 6.17 | 0.18 | 3.35 | 60.99 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.125 |
| 223 | 26.40 | 26.30 | 0.07641 | 15.5 | 0.12520 | 0.01 | 6.18 | 0.18 | 3.35 | 61.03 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.125 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 224 | 26.30 | 26.20 | 0.07679 | 15.4 | 0.12575 | 0.01 | 6.19 | 0.18 | 3.35 | 61.07 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.126 |
| 225 | 26.20 | 26.10 | 0.07717 | 15.3 | 0.12629 | 0.01 | 6.20 | 0.18 | 3.35 | 61.11 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.126 |
| 226 | 26.10 | 26.00 | 0.07756 | 15.2 | 0.12684 | 0.01 | 6.21 | 0.18 | 3.35 | 61.15 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.127 |
| 227 | 26.00 | 25.90 | 0.07794 | 15.2 | 0.12738 | 0.01 | 6.22 | 0.18 | 3.35 | 61.18 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.127 |
| 228 | 25.90 | 25.80 | 0.07835 | 15.1 | 0.12797 | 0.01 | 6.23 | 0.18 | 3.35 | 61.23 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.128 |
| 229 | 25.80 | 25.70 | 0.07873 | 15.0 | 0.12851 | 0.01 | 6.24 | 0.18 | 3.35 | 61.26 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.129 |
| 230 | 25.70 | 25.60 | 0.07911 | 15.0 | 0.12905 | 0.01 | 6.25 | 0.18 | 3.35 | 61.30 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.129 |
| 231 | 25.60 | 25.50 | 0.07949 | 14.9 | 0.12959 | 0.01 | 6.26 | 0.18 | 3.35 | 61.34 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.130 |
| 232 | 25.50 | 25.40 | 0.07987 | 14.8 | 0.13014 | 0.01 | 6.27 | 0.18 | 3.35 | 61.38 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.130 |
| 233 | 25.40 | 25.30 | 0.08025 | 14.8 | 0.13068 | 0.01 | 6.27 | 0.18 | 3.35 | 61.41 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.131 |
| 234 | 25.30 | 25.20 | 0.08063 | 14.7 | 0.13122 | 0.01 | 6.28 | 0.18 | 3.35 | 61.45 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.131 |
| 235 | 25.20 | 25.10 | 0.08102 | 14.6 | 0.13176 | 0.01 | 6.29 | 0.18 | 3.35 | 61.49 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.132 |
| 236 | 25.10 | 25.00 | 0.08384 | 17.0 | 0.13575 | 0.01 | 6.30 | 0.18 | 3.35 | 61.76 | 335.00 | 0.62 | 0.00 | 0.000 | 0.000 | 0.136 |
| 237 | 25.00 | 24.90 | 0.08422 | 17.0 | 0.13629 | 0.01 | 6.31 | 0.18 | 3.35 | 61.79 | 335.00 | 0.62 | 0.00 | 0.000 | 0.000 | 0.136 |
| 238 | 24.90 | 24.80 | 0.08460 | 16.9 | 0.13683 | 0.01 | 6.32 | 0.18 | 3.35 | 61.83 | 335.00 | 0.62 | 0.00 | 0.000 | 0.000 | 0.137 |
| 239 | 24.80 | 24.70 | 0.03118 | 16.8 | 0.05729 | 0.02 | 6.34 | 0.16 | 3.35 | 54.43 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.057 |
| TOT | | | | | | 0.36 | | | | 2247.53 | 12395.00 | | | | | |
| AVG | | | | | 0.1197 | | | 0.18 | 3.35 | | | 0.61 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 28.200 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 28.100 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 28.000 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 27.900 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 27.800 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 27.700 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 27.600 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 27.500 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 27.400 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 27.300 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 27.200 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 27.100 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 27.000 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 26.900 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 26.800 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 26.700 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 26.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 26.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 26.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 26.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 26.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 26.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 26.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 25.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 25.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 25.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 25.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 25.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 25.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 25.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 25.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 25.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 25.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 24.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 24.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 24.700 | 9.09 | 9.12 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 9.98 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 18.79 | 0.00 | 19.07 | 0.00 | 2.70 | 0.67 | 0.44 | 3.80 | 2.72 | 3.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 204 | 28.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 18.71 | 0.00 | 19.11 | 0.00 | 2.69 | 0.66 | 0.44 | 3.79 | 2.72 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 205 | 28.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 18.64 | 0.00 | 19.15 | 0.00 | 2.69 | 0.66 | 0.44 | 3.78 | 2.73 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 206 | 28.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 18.56 | 0.00 | 19.19 | 0.00 | 2.68 | 0.65 | 0.43 | 3.77 | 2.73 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |
| 207 | 27.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 18.49 | 0.00 | 19.23 | 0.00 | 2.68 | 0.65 | 0.43 | 3.76 | 2.74 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.0 | 0.0 | 0. | 0.00 |
| 208 | 27.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 18.41 | 0.00 | 19.28 | 0.00 | 2.67 | 0.65 | 0.43 | 3.75 | 2.74 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.1 | 0.0 | 0. | 0.00 |
| 209 | 27.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 18.34 | 0.00 | 19.32 | 0.00 | 2.67 | 0.64 | 0.43 | 3.74 | 2.75 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.2 | 0.0 | 0. | 0.00 |
| 210 | 27.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.74 | 18.27 | 0.00 | 19.36 | 0.00 | 2.66 | 0.64 | 0.43 | 3.73 | 2.75 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.3 | 0.0 | 0. | 0.00 |
| 211 | 27.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.76 | 18.20 | 0.00 | 19.41 | 0.00 | 2.66 | 0.64 | 0.43 | 3.72 | 2.76 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.4 | 0.0 | 0. | 0.00 |
| 212 | 27.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.77 | 18.13 | 0.00 | 19.46 | 0.00 | 2.66 | 0.63 | 0.42 | 3.71 | 2.76 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.4 | 0.0 | 0. | 0.00 |
| 213 | 27.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.76 | 18.31 | 0.00 | 19.75 | 0.00 | 2.66 | 0.67 | 0.43 | 3.77 | 2.78 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.5 | 0.0 | 0. | 0.00 |
| 214 | 27.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.78 | 18.24 | 0.00 | 19.80 | 0.00 | 2.66 | 0.67 | 0.43 | 3.76 | 2.78 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.6 | 0.0 | 0. | 0.00 |
| 215 | 27.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.79 | 18.17 | 0.00 | 19.85 | 0.00 | 2.65 | 0.67 | 0.43 | 3.75 | 2.79 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.7 | 0.0 | 0. | 0.00 |
| 216 | 27.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.81 | 18.10 | 0.00 | 19.90 | 0.00 | 2.65 | 0.66 | 0.42 | 3.74 | 2.79 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.8 | 0.0 | 0. | 0.00 |
| 217 | 26.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.82 | 18.03 | 0.00 | 19.95 | 0.00 | 2.65 | 0.66 | 0.42 | 3.73 | 2.80 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.9 | 0.0 | 0. | 0.00 |
| 218 | 26.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.84 | 17.96 | 0.00 | 19.99 | 0.00 | 2.64 | 0.65 | 0.42 | 3.72 | 2.80 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 219 | 26.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.85 | 17.90 | 0.00 | 20.05 | 0.00 | 2.64 | 0.65 | 0.42 | 3.71 | 2.81 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 220 | 26.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.84 | 18.10 | 0.00 | 20.36 | 0.00 | 2.65 | 0.69 | 0.42 | 3.76 | 2.83 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 221 | 26.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.85 | 18.03 | 0.00 | 20.41 | 0.00 | 2.64 | 0.69 | 0.42 | 3.75 | 2.83 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.3 | 0.0 | 0. | 0.00 |
| 222 | 26.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.86 | 17.96 | 0.00 | 20.46 | 0.00 | 2.64 | 0.68 | 0.42 | 3.74 | 2.84 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.4 | 0.0 | 0. | 0.00 |
| 223 | 26.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.87 | 17.90 | 0.00 | 20.52 | 0.00 | 2.63 | 0.68 | 0.42 | 3.73 | 2.84 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.5 | 0.0 | 0. | 0.00 |
| 224 | 26.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.88 | 17.84 | 0.00 | 20.57 | 0.00 | 2.63 | 0.68 | 0.42 | 3.72 | 2.85 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.6 | 0.0 | 0. | 0.00 |
| 225 | 26.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 17.77 | 0.00 | 20.62 | 0.00 | 2.63 | 0.67 | 0.42 | 3.71 | 2.85 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.7 | 0.0 | 0. | 0.00 |
| 226 | 26.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.91 | 17.71 | 0.00 | 20.68 | 0.00 | 2.62 | 0.67 | 0.41 | 3.70 | 2.86 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.8 | 0.0 | 0. | 0.00 |
| 227 | 25.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.92 | 17.65 | 0.00 | 20.73 | 0.00 | 2.62 | 0.67 | 0.41 | 3.70 | 2.86 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.9 | 0.0 | 0. | 0.00 |
| 228 | 25.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.92 | 17.62 | 0.00 | 20.82 | 0.00 | 2.62 | 0.67 | 0.41 | 3.69 | 2.87 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.0 | 0.0 | 0. | 0.00 |
| 229 | 25.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.93 | 17.56 | 0.00 | 20.87 | 0.00 | 2.61 | 0.66 | 0.41 | 3.68 | 2.88 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.1 | 0.0 | 0. | 0.00 |
| 230 | 25.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.94 | 17.50 | 0.00 | 20.93 | 0.00 | 2.61 | 0.66 | 0.41 | 3.68 | 2.88 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.1 | 0.0 | 0. | 0.00 |
| 231 | 25.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.95 | 17.44 | 0.00 | 20.99 | 0.00 | 2.60 | 0.66 | 0.41 | 3.67 | 2.89 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.2 | 0.0 | 0. | 0.00 |
| 232 | 25.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 17.38 | 0.00 | 21.05 | 0.00 | 2.60 | 0.65 | 0.40 | 3.66 | 2.89 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.3 | 0.0 | 0. | 0.00 |
| 233 | 25.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 17.32 | 0.00 | 21.10 | 0.00 | 2.60 | 0.65 | 0.40 | 3.65 | 2.90 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.4 | 0.0 | 0. | 0.00 |
| 234 | 25.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 17.26 | 0.00 | 21.16 | 0.00 | 2.59 | 0.65 | 0.40 | 3.64 | 2.90 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.5 | 0.0 | 0. | 0.00 |
| 235 | 25.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 17.20 | 0.00 | 21.22 | 0.00 | 2.59 | 0.64 | 0.40 | 3.63 | 2.91 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.6 | 0.0 | 0. | 0.00 |
| 236 | 25.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.86 | 18.21 | 0.00 | 22.35 | 0.00 | 2.62 | 0.85 | 0.44 | 3.91 | 2.95 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.7 | 0.0 | 0. | 0.00 |
| 237 | 24.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.88 | 18.15 | 0.00 | 22.40 | 0.00 | 2.62 | 0.84 | 0.44 | 3.90 | 2.96 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.8 | 0.0 | 0. | 0.00 |
| 238 | 24.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.89 | 18.09 | 0.00 | 22.46 | 0.00 | 2.62 | 0.84 | 0.44 | 3.89 | 2.96 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.9 | 0.0 | 0. | 0.00 |
| 239 | 24.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 18.03 | 0.00 | 22.52 | 0.00 | 2.61 | 0.83 | 0.44 | 3.88 | 2.97 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 204 | 28.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 205 | 28.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 206 | 28.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 207 | 27.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 208 | 27.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 209 | 27.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 210 | 27.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 211 | 27.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 212 | 27.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 213 | 27.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 214 | 27.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 215 | 27.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 216 | 27.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 217 | 26.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 218 | 26.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 219 | 26.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 220 | 26.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 221 | 26.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 222 | 26.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 23.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 223 | 26.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 24.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 224 | 26.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 25.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 225 | 26.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 26.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 226 | 26.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 27.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 227 | 25.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 28.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 228 | 25.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 30.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 229 | 25.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 31.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 230 | 25.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 32.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 231 | 25.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 33.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 232 | 25.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 34.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 233 | 25.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 35.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 234 | 25.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 36.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 235 | 25.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 37.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 236 | 25.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 38.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 237 | 24.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 39.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 238 | 24.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 40.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 239 | 24.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 42.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 4 Pontchatoula (YWRC to EPON) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | UPR RCH | 0.03118 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 18.03 | 0.00 | 22.52 | 0.00 | 2.61 | 0.83 | 0.44 | 0.00 | 42.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00035 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 8.00 | 0.00 | | | 1.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| 277 | WSTLD | 0.00079 | 20.00 | 0.00 | 0.00 | 0.00 | 2.30 | 66.90 | 0.00 | 66.90 | 0.00 | 4.90 | 9.70 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.70 | 24.60 | 0.03153 | 16.6 | 0.02341 | 0.05 | 6.39 | 0.44 | 3.08 | 134.69 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.023 |
| 241 | 24.60 | 24.50 | 0.03189 | 16.4 | 0.02364 | 0.05 | 6.44 | 0.44 | 3.08 | 134.89 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.024 |
| 242 | 24.50 | 24.40 | 0.03224 | 16.3 | 0.02387 | 0.05 | 6.48 | 0.44 | 3.08 | 135.08 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.024 |
| 243 | 24.40 | 24.30 | 0.03259 | 16.1 | 0.02409 | 0.05 | 6.53 | 0.44 | 3.08 | 135.26 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.024 |
| 244 | 24.30 | 24.20 | 0.03294 | 15.9 | 0.02432 | 0.05 | 6.58 | 0.44 | 3.08 | 135.45 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.024 |
| 245 | 24.20 | 24.10 | 0.03330 | 15.7 | 0.02455 | 0.05 | 6.63 | 0.44 | 3.08 | 135.63 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 246 | 24.10 | 24.00 | 0.03365 | 15.6 | 0.02477 | 0.05 | 6.67 | 0.44 | 3.08 | 135.82 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 247 | 24.00 | 23.90 | 0.03400 | 15.4 | 0.02500 | 0.05 | 6.72 | 0.44 | 3.08 | 136.00 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 248 | 23.90 | 23.80 | 0.03435 | 15.3 | 0.02523 | 0.05 | 6.77 | 0.44 | 3.08 | 136.18 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 249 | 23.80 | 23.70 | 0.03471 | 15.1 | 0.02545 | 0.05 | 6.81 | 0.44 | 3.08 | 136.35 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 250 | 23.70 | 23.60 | 0.03506 | 14.9 | 0.02568 | 0.05 | 6.86 | 0.44 | 3.08 | 136.53 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.026 |
| 251 | 23.60 | 23.50 | 0.03541 | 14.8 | 0.02590 | 0.04 | 6.90 | 0.44 | 3.08 | 136.70 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.026 |
| 252 | 23.50 | 23.40 | 0.03576 | 14.7 | 0.02613 | 0.04 | 6.95 | 0.44 | 3.08 | 136.88 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.026 |
| 253 | 23.40 | 23.30 | 0.03612 | 14.5 | 0.02635 | 0.04 | 6.99 | 0.44 | 3.08 | 137.05 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.026 |
| 254 | 23.30 | 23.20 | 0.03647 | 14.4 | 0.02658 | 0.04 | 7.03 | 0.45 | 3.08 | 137.22 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.027 |
| 255 | 23.20 | 23.10 | 0.03682 | 14.2 | 0.02680 | 0.04 | 7.08 | 0.45 | 3.08 | 137.39 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.027 |
| 256 | 23.10 | 23.00 | 0.03717 | 14.1 | 0.02702 | 0.04 | 7.12 | 0.45 | 3.08 | 137.56 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.027 |
| 257 | 23.00 | 22.90 | 0.03753 | 14.0 | 0.02725 | 0.04 | 7.16 | 0.45 | 3.08 | 137.72 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.027 |
| 258 | 22.90 | 22.80 | 0.03788 | 13.8 | 0.02747 | 0.04 | 7.20 | 0.45 | 3.08 | 137.89 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.027 |
| 259 | 22.80 | 22.70 | 0.03823 | 13.7 | 0.02769 | 0.04 | 7.25 | 0.45 | 3.08 | 138.05 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.028 |
| 260 | 22.70 | 22.60 | 0.03858 | 13.6 | 0.02792 | 0.04 | 7.29 | 0.45 | 3.08 | 138.21 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.028 |
| 261 | 22.60 | 22.50 | 0.03894 | 13.5 | 0.02814 | 0.04 | 7.33 | 0.45 | 3.08 | 138.37 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.028 |
| 262 | 22.50 | 22.40 | 0.03929 | 13.3 | 0.02836 | 0.04 | 7.37 | 0.45 | 3.08 | 138.53 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.028 |
| 263 | 22.40 | 22.30 | 0.03964 | 13.2 | 0.02858 | 0.04 | 7.41 | 0.45 | 3.08 | 138.69 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 264 | 22.30 | 22.20 | 0.03999 | 13.1 | 0.02880 | 0.04 | 7.45 | 0.45 | 3.08 | 138.85 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 265 | 22.20 | 22.10 | 0.04035 | 13.0 | 0.02902 | 0.04 | 7.49 | 0.45 | 3.08 | 139.00 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 266 | 22.10 | 22.00 | 0.04070 | 12.9 | 0.02925 | 0.04 | 7.53 | 0.45 | 3.08 | 139.16 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 267 | 22.00 | 21.90 | 0.04105 | 12.8 | 0.02947 | 0.04 | 7.57 | 0.45 | 3.08 | 139.31 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 268 | 21.90 | 21.80 | 0.04140 | 12.7 | 0.02969 | 0.04 | 7.61 | 0.45 | 3.08 | 139.46 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.030 |
| 269 | 21.80 | 21.70 | 0.04176 | 12.5 | 0.02991 | 0.04 | 7.65 | 0.45 | 3.08 | 139.61 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.030 |
| 270 | 21.70 | 21.60 | 0.04211 | 12.4 | 0.03013 | 0.04 | 7.68 | 0.45 | 3.08 | 139.76 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.030 |
| 271 | 21.60 | 21.50 | 0.04246 | 12.3 | 0.03035 | 0.04 | 7.72 | 0.45 | 3.08 | 139.91 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.030 |
| 272 | 21.50 | 21.40 | 0.04281 | 12.2 | 0.03057 | 0.04 | 7.76 | 0.45 | 3.08 | 140.06 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.031 |
| 273 | 21.40 | 21.30 | 0.04317 | 12.1 | 0.03079 | 0.04 | 7.80 | 0.46 | 3.08 | 140.21 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.031 |
| 274 | 21.30 | 21.20 | 0.04352 | 12.0 | 0.03101 | 0.04 | 7.84 | 0.46 | 3.08 | 140.35 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.031 |
| 275 | 21.20 | 21.10 | 0.04387 | 11.9 | 0.03123 | 0.04 | 7.87 | 0.46 | 3.08 | 140.50 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.031 |
| 276 | 21.10 | 21.00 | 0.04422 | 11.8 | 0.03144 | 0.04 | 7.91 | 0.46 | 3.08 | 140.64 | 308.00 | 1.41 | 0.00 | 0.000 | 0.000 | 0.031 |
| 277 | 21.00 | 20.90 | 0.04537 | 13.3 | 0.03215 | 0.04 | 7.95 | 0.46 | 3.08 | 141.10 | 308.00 | 1.41 | 0.00 | 0.000 | 0.000 | 0.032 |
| 278 | 20.90 | 20.80 | 0.04572 | 13.2 | 0.03237 | 0.04 | 7.98 | 0.46 | 3.08 | 141.24 | 308.00 | 1.41 | 0.00 | 0.000 | 0.000 | 0.032 |
| 279 | 20.80 | 20.70 | 0.04607 | 13.1 | 0.03259 | 0.04 | 8.02 | 0.46 | 3.08 | 141.38 | 308.00 | 1.41 | 0.00 | 0.000 | 0.000 | 0.033 |
| TOT | | | | | | 1.68 | | | | 5522.65 | 12320.00 | | | | | |
| AVG | | | | | 0.0276 | | | 0.45 | 3.08 | | | 1.38 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 9.09 | 2.28 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 24.500 | 9.09 | 2.29 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 24.400 | 9.09 | 2.29 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 24.300 | 9.09 | 2.30 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 24.200 | 9.09 | 2.30 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 24.100 | 9.09 | 2.30 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 24.000 | 9.09 | 2.31 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 23.900 | 9.09 | 2.31 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 23.800 | 9.09 | 2.32 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 23.700 | 9.09 | 2.32 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 23.600 | 9.09 | 2.33 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 23.500 | 9.09 | 2.33 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 23.400 | 9.09 | 2.33 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 23.300 | 9.09 | 2.34 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 23.200 | 9.09 | 2.34 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 23.100 | 9.09 | 2.35 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 23.000 | 9.09 | 2.35 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 22.900 | 9.09 | 2.36 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 22.800 | 9.09 | 2.36 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 22.700 | 9.09 | 2.36 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 22.600 | 9.09 | 2.37 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 22.500 | 9.09 | 2.37 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 22.400 | 9.09 | 2.38 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 22.300 | 9.09 | 2.38 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 22.200 | 9.09 | 2.39 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 22.100 | 9.09 | 2.39 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 22.000 | 9.09 | 2.39 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 21.900 | 9.09 | 2.40 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 21.800 | 9.09 | 2.40 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 21.700 | 9.09 | 2.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 21.600 | 9.09 | 2.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 21.500 | 9.09 | 2.42 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 21.400 | 9.09 | 2.42 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 21.300 | 9.09 | 2.42 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 21.200 | 9.09 | 2.43 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 21.100 | 9.09 | 2.43 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 21.000 | 9.09 | 2.44 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 20.900 | 9.09 | 2.45 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 20.800 | 9.09 | 2.46 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 20.700 | 9.09 | 2.46 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.37 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.94 | 17.87 | 0.00 | 22.25 | 0.00 | 2.60 | 0.82 | 0.43 | 3.86 | 2.95 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.0 | 0.0 | 0. | 0.00 |
| 241 | 24.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 17.71 | 0.00 | 21.98 | 0.00 | 2.59 | 0.81 | 0.43 | 3.83 | 2.93 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.0 | 0.0 | 0. | 0.00 |
| 242 | 24.400 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 17.55 | 0.00 | 21.72 | 0.00 | 2.58 | 0.79 | 0.43 | 3.80 | 2.92 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.0 | 0.0 | 0. | 0.00 |
| 243 | 24.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.02 | 17.40 | 0.00 | 21.46 | 0.00 | 2.57 | 0.78 | 0.42 | 3.78 | 2.90 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 244 | 24.200 | 20.00 | 0.00 | 1.00 | 0.00 | 9.04 | 17.25 | 0.00 | 21.20 | 0.00 | 2.57 | 0.77 | 0.42 | 3.75 | 2.88 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 245 | 24.100 | 20.00 | 0.00 | 1.00 | 0.00 | 9.05 | 17.10 | 0.00 | 20.95 | 0.00 | 2.56 | 0.76 | 0.41 | 3.73 | 2.86 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.0 | 0.0 | 0. | 0.00 |
| 246 | 24.000 | 20.00 | 0.00 | 1.00 | 0.00 | 9.06 | 16.96 | 0.00 | 20.70 | 0.00 | 2.55 | 0.74 | 0.41 | 3.70 | 2.85 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.0 | 0.0 | 0. | 0.00 |
| 247 | 23.900 | 20.00 | 0.00 | 1.00 | 0.00 | 9.07 | 16.82 | 0.00 | 20.46 | 0.00 | 2.54 | 0.73 | 0.41 | 3.68 | 2.83 | 3.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.0 | 0.0 | 0. | 0.00 |
| 248 | 23.800 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.68 | 0.00 | 20.21 | 0.00 | 2.53 | 0.72 | 0.40 | 3.65 | 2.81 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.1 | 0.0 | 0. | 0.00 |
| 249 | 23.700 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.55 | 0.00 | 19.97 | 0.00 | 2.52 | 0.71 | 0.40 | 3.63 | 2.80 | 3.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.1 | 0.0 | 0. | 0.00 |
| 250 | 23.600 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.42 | 0.00 | 19.74 | 0.00 | 2.52 | 0.70 | 0.40 | 3.61 | 2.78 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.1 | 0.0 | 0. | 0.00 |
| 251 | 23.500 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.29 | 0.00 | 19.51 | 0.00 | 2.51 | 0.69 | 0.39 | 3.59 | 2.76 | 3.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.1 | 0.0 | 0. | 0.00 |
| 252 | 23.400 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.17 | 0.00 | 19.27 | 0.00 | 2.50 | 0.68 | 0.39 | 3.57 | 2.75 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.1 | 0.0 | 0. | 0.00 |
| 253 | 23.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.05 | 0.00 | 19.05 | 0.00 | 2.49 | 0.67 | 0.39 | 3.55 | 2.73 | 3.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.1 | 0.0 | 0. | 0.00 |
| 254 | 23.200 | 20.00 | 0.00 | 1.00 | 0.00 | 9.07 | 15.93 | 0.00 | 18.82 | 0.00 | 2.49 | 0.66 | 0.38 | 3.53 | 2.72 | 3.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.1 | 0.0 | 0. | 0.00 |
| 255 | 23.100 | 20.00 | 0.00 | 1.00 | 0.00 | 9.07 | 15.81 | 0.00 | 18.60 | 0.00 | 2.48 | 0.65 | 0.38 | 3.51 | 2.70 | 3.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.1 | 0.0 | 0. | 0.00 |
| 256 | 23.000 | 20.00 | 0.00 | 1.00 | 0.00 | 9.06 | 15.70 | 0.00 | 18.38 | 0.00 | 2.47 | 0.64 | 0.38 | 3.49 | 2.68 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.1 | 0.0 | 0. | 0.00 |
| 257 | 22.900 | 20.00 | 0.00 | 1.00 | 0.00 | 9.06 | 15.59 | 0.00 | 18.16 | 0.00 | 2.46 | 0.63 | 0.38 | 3.47 | 2.67 | 3.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.1 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 258 | 22.800 | 20.00 | 0.00 | 1.00 | 0.00 | 9.05 | 15.48 | 0.00 | 17.95 | 0.00 | 2.46 | 0.62 | 0.37 | 3.45 | 2.65 | 3.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.1 | 0.0 | 0. | 0.00 |
| 259 | 22.700 | 20.00 | 0.00 | 1.00 | 0.00 | 9.04 | 15.37 | 0.00 | 17.73 | 0.00 | 2.45 | 0.61 | 0.37 | 3.44 | 2.64 | 3.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.1 | 0.0 | 0. | 0.00 |
| 260 | 22.600 | 20.00 | 0.00 | 1.00 | 0.00 | 9.03 | 15.27 | 0.00 | 17.52 | 0.00 | 2.44 | 0.61 | 0.37 | 3.42 | 2.62 | 3.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.1 | 0.0 | 0. | 0.00 |
| 261 | 22.500 | 20.00 | 0.00 | 1.00 | 0.00 | 9.02 | 15.16 | 0.00 | 17.31 | 0.00 | 2.44 | 0.60 | 0.37 | 3.40 | 2.61 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 262 | 22.400 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 15.06 | 0.00 | 17.11 | 0.00 | 2.43 | 0.59 | 0.37 | 3.39 | 2.59 | 3.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0. | 0.00 |
| 263 | 22.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 14.96 | 0.00 | 16.90 | 0.00 | 2.43 | 0.58 | 0.36 | 3.37 | 2.58 | 3.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.2 | 0.0 | 0. | 0.00 |
| 264 | 22.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.99 | 14.87 | 0.00 | 16.70 | 0.00 | 2.42 | 0.58 | 0.36 | 3.36 | 2.57 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.2 | 0.0 | 0. | 0.00 |
| 265 | 22.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 14.77 | 0.00 | 16.50 | 0.00 | 2.41 | 0.57 | 0.36 | 3.34 | 2.55 | 3.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.2 | 0.0 | 0. | 0.00 |
| 266 | 22.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 14.68 | 0.00 | 16.30 | 0.00 | 2.41 | 0.56 | 0.36 | 3.33 | 2.54 | 3.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.2 | 0.0 | 0. | 0.00 |
| 267 | 21.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 14.59 | 0.00 | 16.10 | 0.00 | 2.40 | 0.55 | 0.36 | 3.31 | 2.52 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.2 | 0.0 | 0. | 0.00 |
| 268 | 21.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.95 | 14.50 | 0.00 | 15.91 | 0.00 | 2.40 | 0.55 | 0.35 | 3.30 | 2.51 | 3.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.2 | 0.0 | 0. | 0.00 |
| 269 | 21.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.93 | 14.41 | 0.00 | 15.71 | 0.00 | 2.39 | 0.54 | 0.35 | 3.29 | 2.49 | 3.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.2 | 0.0 | 0. | 0.00 |
| 270 | 21.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.92 | 14.32 | 0.00 | 15.52 | 0.00 | 2.39 | 0.53 | 0.35 | 3.27 | 2.48 | 3.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.2 | 0.0 | 0. | 0.00 |
| 271 | 21.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.91 | 14.24 | 0.00 | 15.33 | 0.00 | 2.38 | 0.53 | 0.35 | 3.26 | 2.47 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.2 | 0.0 | 0. | 0.00 |
| 272 | 21.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.89 | 14.16 | 0.00 | 15.14 | 0.00 | 2.37 | 0.52 | 0.35 | 3.25 | 2.45 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.2 | 0.0 | 0. | 0.00 |
| 273 | 21.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.88 | 14.08 | 0.00 | 14.95 | 0.00 | 2.37 | 0.52 | 0.35 | 3.23 | 2.44 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.2 | 0.0 | 0. | 0.00 |
| 274 | 21.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.87 | 14.00 | 0.00 | 14.77 | 0.00 | 2.36 | 0.51 | 0.35 | 3.22 | 2.43 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.2 | 0.0 | 0. | 0.00 |
| 275 | 21.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.86 | 13.92 | 0.00 | 14.58 | 0.00 | 2.36 | 0.50 | 0.35 | 3.21 | 2.41 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.2 | 0.0 | 0. | 0.00 |
| 276 | 21.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.84 | 13.84 | 0.00 | 14.40 | 0.00 | 2.35 | 0.50 | 0.35 | 3.20 | 2.40 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. | 0.00 |
| 277 | 20.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 14.69 | 0.00 | 15.14 | 0.00 | 2.39 | 0.65 | 0.37 | 3.42 | 2.43 | 3.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 278 | 20.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 14.60 | 0.00 | 14.95 | 0.00 | 2.39 | 0.64 | 0.37 | 3.41 | 2.42 | 3.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 279 | 20.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 14.52 | 0.00 | 14.76 | 0.00 | 2.38 | 0.64 | 0.37 | 3.40 | 2.40 | 3.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 41.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 241 | 24.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 40.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 242 | 24.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 39.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 243 | 24.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 38.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 244 | 24.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 37.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 245 | 24.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 36.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 246 | 24.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 35.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 247 | 23.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 34.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 248 | 23.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 33.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 249 | 23.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 32.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 250 | 23.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 31.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 251 | 23.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 30.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 252 | 23.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 29.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 253 | 23.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 28.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 254 | 23.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 27.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 255 | 23.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 26.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 256 | 23.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 25.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 257 | 22.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 24.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 258 | 22.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 23.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 259 | 22.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 260 | 22.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 261 | 22.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 262 | 22.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 263 | 22.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 264 | 22.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 265 | 22.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 266 | 22.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 267 | 21.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 268 | 21.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 269 | 21.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 270 | 21.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 271 | 21.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 272 | 21.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 273 | 21.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 274 | 21.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 275 | 21.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 276 | 21.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 277 | 20.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 278 | 20.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 279 | 20.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 6 Pontchatoula (EPON to Arnold) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | UPR RCH | 0.04607 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 14.52 | 0.00 | 14.76 | 0.00 | 2.38 | 0.64 | 0.37 | 0.00 | 2.25 | 0.00 | 0.00 |
| 389 | TRIB | 0.04287 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 13.81 | 0.00 | 14.05 | 0.00 | 1.39 | 0.69 | 0.49 | 0.00 | 2.25 | 0.00 | 0.00 |
| EACH | INCR | 0.00510 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 30.00 | 0.00 | | | 1.00 | 0.29 | 0.37 | 0.00 | 0.00 | 0.00 | |
| 393 | WSTLD | 0.00039 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | WSTLD | 0.00183 | 20.00 | 0.00 | 0.00 | 0.00 | 3.00 | 53.50 | 0.00 | 53.50 | 0.00 | 3.90 | 7.75 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | WSTLD | 0.00183 | 20.00 | 0.00 | 0.00 | 0.00 | 3.00 | 53.50 | 0.00 | 53.50 | 0.00 | 3.90 | 7.75 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | WSTLD | 0.00017 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.70 | 20.60 | 0.09404 | 11.3 | 0.23379 | 0.00 | 8.02 | 0.13 | 3.20 | 40.22 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.234 |
| 390 | 20.60 | 20.50 | 0.09914 | 10.7 | 0.24482 | 0.00 | 8.03 | 0.13 | 3.20 | 40.50 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.245 |
| 391 | 20.50 | 20.40 | 0.10425 | 10.2 | 0.25577 | 0.00 | 8.03 | 0.13 | 3.20 | 40.76 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.256 |
| 392 | 20.40 | 20.30 | 0.10935 | 9.7 | 0.26666 | 0.00 | 8.04 | 0.13 | 3.20 | 41.01 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.267 |
| 393 | 20.30 | 20.20 | 0.11484 | 9.6 | 0.27831 | 0.00 | 8.04 | 0.13 | 3.20 | 41.26 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.278 |
| 394 | 20.20 | 20.10 | 0.11994 | 9.2 | 0.28906 | 0.00 | 8.04 | 0.13 | 3.20 | 41.49 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.289 |
| 395 | 20.10 | 20.00 | 0.12504 | 8.8 | 0.29976 | 0.00 | 8.05 | 0.13 | 3.20 | 41.72 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.300 |
| 396 | 20.00 | 19.90 | 0.13015 | 8.4 | 0.31040 | 0.00 | 8.05 | 0.13 | 3.20 | 41.93 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.310 |
| 397 | 19.90 | 19.80 | 0.13525 | 8.1 | 0.32099 | 0.00 | 8.05 | 0.13 | 3.20 | 42.14 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.321 |
| 398 | 19.80 | 19.70 | 0.14035 | 7.8 | 0.33152 | 0.00 | 8.06 | 0.13 | 3.20 | 42.33 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.332 |
| 399 | 19.70 | 19.60 | 0.14545 | 7.6 | 0.34201 | 0.00 | 8.06 | 0.13 | 3.20 | 42.53 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.342 |
| 400 | 19.60 | 19.50 | 0.15055 | 7.3 | 0.35245 | 0.00 | 8.06 | 0.13 | 3.20 | 42.72 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.352 |
| 401 | 19.50 | 19.40 | 0.15566 | 7.1 | 0.36285 | 0.00 | 8.07 | 0.13 | 3.20 | 42.90 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.363 |
| 402 | 19.40 | 19.30 | 0.16076 | 6.8 | 0.37320 | 0.00 | 8.07 | 0.13 | 3.20 | 43.08 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.373 |
| 403 | 19.30 | 19.20 | 0.16586 | 6.6 | 0.38352 | 0.00 | 8.07 | 0.14 | 3.20 | 43.25 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.384 |
| 404 | 19.20 | 19.10 | 0.17096 | 6.4 | 0.39379 | 0.00 | 8.08 | 0.14 | 3.20 | 43.42 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.394 |
| 405 | 19.10 | 19.00 | 0.17606 | 6.2 | 0.40402 | 0.00 | 8.08 | 0.14 | 3.20 | 43.58 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.404 |
| 406 | 19.00 | 18.90 | 0.18117 | 6.1 | 0.41421 | 0.00 | 8.08 | 0.14 | 3.20 | 43.74 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.414 |
| 407 | 18.90 | 18.80 | 0.18627 | 5.9 | 0.42437 | 0.00 | 8.09 | 0.14 | 3.20 | 43.89 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.424 |
| 408 | 18.80 | 18.70 | 0.19137 | 5.7 | 0.43449 | 0.00 | 8.09 | 0.14 | 3.20 | 44.04 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.434 |
| 409 | 18.70 | 18.60 | 0.19647 | 5.6 | 0.44458 | 0.00 | 8.09 | 0.14 | 3.20 | 44.19 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.445 |
| 410 | 18.60 | 18.50 | 0.20157 | 5.5 | 0.45463 | 0.00 | 8.09 | 0.14 | 3.20 | 44.34 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.455 |
| 411 | 18.50 | 18.40 | 0.20668 | 5.3 | 0.46465 | 0.00 | 8.10 | 0.14 | 3.20 | 44.48 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.465 |
| 412 | 18.40 | 18.30 | 0.21178 | 5.2 | 0.47464 | 0.00 | 8.10 | 0.14 | 3.20 | 44.62 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.475 |
| 413 | 18.30 | 18.20 | 0.21688 | 5.1 | 0.48460 | 0.00 | 8.10 | 0.14 | 3.20 | 44.75 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.485 |
| 414 | 18.20 | 18.10 | 0.22198 | 5.0 | 0.49453 | 0.00 | 8.10 | 0.14 | 3.20 | 44.89 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.495 |
| 415 | 18.10 | 18.00 | 0.22709 | 4.8 | 0.50443 | 0.00 | 8.10 | 0.14 | 3.20 | 45.02 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.504 |
| 416 | 18.00 | 17.90 | 0.23219 | 4.7 | 0.51431 | 0.00 | 8.11 | 0.14 | 3.20 | 45.15 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.514 |
| 417 | 17.90 | 17.80 | 0.23729 | 4.6 | 0.52415 | 0.00 | 8.11 | 0.14 | 3.20 | 45.27 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.524 |
| 418 | 17.80 | 17.70 | 0.24239 | 4.5 | 0.53397 | 0.00 | 8.11 | 0.14 | 3.20 | 45.39 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.534 |
| 419 | 17.70 | 17.60 | 0.24749 | 4.4 | 0.54376 | 0.00 | 8.11 | 0.14 | 3.20 | 45.52 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.544 |
| 420 | 17.60 | 17.50 | 0.25260 | 4.4 | 0.55352 | 0.00 | 8.12 | 0.14 | 3.20 | 45.63 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.554 |
| 421 | 17.50 | 17.40 | 0.25770 | 4.3 | 0.56326 | 0.00 | 8.12 | 0.14 | 3.20 | 45.75 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.563 |
| 422 | 17.40 | 17.30 | 0.26280 | 4.2 | 0.57298 | 0.00 | 8.12 | 0.14 | 3.20 | 45.87 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.573 |
| 423 | 17.30 | 17.20 | 0.26790 | 4.1 | 0.58267 | 0.00 | 8.12 | 0.14 | 3.20 | 45.98 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.583 |
| 424 | 17.20 | 17.10 | 0.27300 | 4.0 | 0.59234 | 0.00 | 8.12 | 0.14 | 3.20 | 46.09 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.592 |
| 425 | 17.10 | 17.00 | 0.27811 | 4.0 | 0.60198 | 0.00 | 8.13 | 0.14 | 3.20 | 46.20 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.602 |
| 426 | 17.00 | 16.90 | 0.28321 | 3.9 | 0.61161 | 0.00 | 8.13 | 0.14 | 3.20 | 46.31 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.612 |
| 427 | 16.90 | 16.80 | 0.28831 | 3.8 | 0.62121 | 0.00 | 8.13 | 0.15 | 3.20 | 46.41 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.621 |
| 428 | 16.80 | 16.70 | 0.29524 | 4.3 | 0.63422 | 0.00 | 8.13 | 0.15 | 3.20 | 46.55 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.634 |
| 429 | 16.70 | 16.60 | 0.30034 | 4.3 | 0.64377 | 0.00 | 8.13 | 0.15 | 3.20 | 46.65 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.644 |
| 430 | 16.60 | 16.50 | 0.30545 | 4.2 | 0.65329 | 0.00 | 8.13 | 0.15 | 3.20 | 46.75 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.653 |
| 431 | 16.50 | 16.40 | 0.31055 | 4.1 | 0.66280 | 0.00 | 8.14 | 0.15 | 3.20 | 46.85 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.663 |
| 432 | 16.40 | 16.30 | 0.31565 | 4.1 | 0.67229 | 0.00 | 8.14 | 0.15 | 3.20 | 46.95 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.672 |
| 433 | 16.30 | 16.20 | 0.32075 | 4.0 | 0.68176 | 0.00 | 8.14 | 0.15 | 3.20 | 47.05 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.682 |
| 434 | 16.20 | 16.10 | 0.32585 | 3.9 | 0.69121 | 0.00 | 8.14 | 0.15 | 3.20 | 47.14 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.691 |
| 435 | 16.10 | 16.00 | 0.33096 | 3.9 | 0.70064 | 0.00 | 8.14 | 0.15 | 3.20 | 47.24 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.701 |
| 436 | 16.00 | 15.90 | 0.33606 | 3.8 | 0.71006 | 0.00 | 8.15 | 0.15 | 3.20 | 47.33 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.710 |
| 437 | 15.90 | 15.80 | 0.34116 | 3.8 | 0.71945 | 0.00 | 8.15 | 0.15 | 3.20 | 47.42 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.719 |
| 438 | 15.80 | 15.70 | 0.34626 | 3.7 | 0.72883 | 0.00 | 8.15 | 0.15 | 3.20 | 47.51 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.729 |
| 439 | 15.70 | 15.60 | 0.35136 | 3.6 | 0.73819 | 0.00 | 8.15 | 0.15 | 3.20 | 47.60 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.738 |
| 440 | 15.60 | 15.50 | 0.35647 | 3.6 | 0.74753 | 0.00 | 8.15 | 0.15 | 3.20 | 47.69 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.748 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 441 | 15.50 | 15.40 | 0.36157 | 3.5 | 0.75685 | 0.00 | 8.15 | 0.15 | 3.20 | 47.77 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.757 |
| 442 | 15.40 | 15.30 | 0.36667 | 3.5 | 0.76616 | 0.00 | 8.15 | 0.15 | 3.20 | 47.86 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.766 |
| 443 | 15.30 | 15.20 | 0.37177 | 3.4 | 0.77545 | 0.00 | 8.16 | 0.15 | 3.20 | 47.94 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.775 |
| 444 | 15.20 | 15.10 | 0.37687 | 3.4 | 0.78472 | 0.00 | 8.16 | 0.15 | 3.20 | 48.03 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.785 |
| 445 | 15.10 | 15.00 | 0.38198 | 3.4 | 0.79398 | 0.00 | 8.16 | 0.15 | 3.20 | 48.11 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.794 |
| 446 | 15.00 | 14.90 | 0.38708 | 3.3 | 0.80323 | 0.00 | 8.16 | 0.15 | 3.20 | 48.19 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.803 |
| 447 | 14.90 | 14.80 | 0.39218 | 3.3 | 0.81245 | 0.00 | 8.16 | 0.15 | 3.20 | 48.27 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.812 |
| 448 | 14.80 | 14.70 | 0.39728 | 3.2 | 0.82167 | 0.00 | 8.16 | 0.15 | 3.20 | 48.35 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.822 |
| 449 | 14.70 | 14.60 | 0.40238 | 3.2 | 0.83086 | 0.00 | 8.16 | 0.15 | 3.20 | 48.43 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.831 |
| 450 | 14.60 | 14.50 | 0.40749 | 3.1 | 0.84005 | 0.00 | 8.17 | 0.15 | 3.20 | 48.51 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.840 |
| 451 | 14.50 | 14.40 | 0.41259 | 3.1 | 0.84921 | 0.00 | 8.17 | 0.15 | 3.20 | 48.58 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.849 |
| 452 | 14.40 | 14.30 | 0.41952 | 3.5 | 0.86165 | 0.00 | 8.17 | 0.15 | 3.20 | 48.69 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.862 |
| 453 | 14.30 | 14.20 | 0.42462 | 3.4 | 0.87078 | 0.00 | 8.17 | 0.15 | 3.20 | 48.76 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.871 |
| 454 | 14.20 | 14.10 | 0.42972 | 3.4 | 0.87990 | 0.00 | 8.17 | 0.15 | 3.20 | 48.84 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.880 |
| 455 | 14.10 | 14.00 | 0.43483 | 3.4 | 0.88901 | 0.00 | 8.17 | 0.15 | 3.20 | 48.91 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.889 |
| 456 | 14.00 | 13.90 | 0.44010 | 3.4 | 0.89840 | 0.00 | 8.17 | 0.15 | 3.20 | 48.99 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.898 |
| 457 | 13.90 | 13.80 | 0.44520 | 3.3 | 0.90748 | 0.00 | 8.18 | 0.15 | 3.20 | 49.06 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.907 |
| 458 | 13.80 | 13.70 | 0.45030 | 3.3 | 0.91654 | 0.00 | 8.18 | 0.15 | 3.20 | 49.13 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.917 |
| 459 | 13.70 | 13.60 | 0.45540 | 3.3 | 0.92560 | 0.00 | 8.18 | 0.15 | 3.20 | 49.20 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.926 |
| 460 | 13.60 | 13.50 | 0.46051 | 3.2 | 0.93463 | 0.00 | 8.18 | 0.15 | 3.20 | 49.27 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.935 |
| 461 | 13.50 | 13.40 | 0.46561 | 3.2 | 0.94366 | 0.00 | 8.18 | 0.15 | 3.20 | 49.34 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.944 |
| 462 | 13.40 | 13.30 | 0.47071 | 3.1 | 0.95267 | 0.00 | 8.18 | 0.15 | 3.20 | 49.41 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.953 |
| 463 | 13.30 | 13.20 | 0.47581 | 3.1 | 0.96168 | 0.00 | 8.18 | 0.15 | 3.20 | 49.48 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.962 |
| 464 | 13.20 | 13.10 | 0.48092 | 3.1 | 0.97066 | 0.00 | 8.18 | 0.15 | 3.20 | 49.54 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.971 |
| 465 | 13.10 | 13.00 | 0.48602 | 3.0 | 0.97964 | 0.00 | 8.18 | 0.16 | 3.20 | 49.61 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.980 |
| 466 | 13.00 | 12.90 | 0.49112 | 3.0 | 0.98861 | 0.00 | 8.19 | 0.16 | 3.20 | 49.68 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.989 |
| 467 | 12.90 | 12.80 | 0.49622 | 3.0 | 0.99756 | 0.00 | 8.19 | 0.16 | 3.20 | 49.74 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.998 |
| 468 | 12.80 | 12.70 | 0.50132 | 3.0 | 1.00650 | 0.00 | 8.19 | 0.16 | 3.20 | 49.81 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.007 |
| 469 | 12.70 | 12.60 | 0.50643 | 2.9 | 1.01543 | 0.00 | 8.19 | 0.16 | 3.20 | 49.87 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.015 |
| 470 | 12.60 | 12.50 | 0.51153 | 2.9 | 1.02435 | 0.00 | 8.19 | 0.16 | 3.20 | 49.94 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.024 |
| 471 | 12.50 | 12.40 | 0.51663 | 2.9 | 1.03325 | 0.00 | 8.19 | 0.16 | 3.20 | 50.00 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.033 |
| 472 | 12.40 | 12.30 | 0.52173 | 2.8 | 1.04215 | 0.00 | 8.19 | 0.16 | 3.20 | 50.06 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.042 |
| 473 | 12.30 | 12.20 | 0.52683 | 2.8 | 1.05103 | 0.00 | 8.19 | 0.16 | 3.20 | 50.13 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.051 |
| 474 | 12.20 | 12.10 | 0.53194 | 2.8 | 1.05991 | 0.00 | 8.20 | 0.16 | 3.20 | 50.19 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.060 |
| 475 | 12.10 | 12.00 | 0.53704 | 2.8 | 1.06877 | 0.00 | 8.20 | 0.16 | 3.20 | 50.25 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.069 |
| 476 | 12.00 | 11.90 | 0.54214 | 2.7 | 1.07762 | 0.00 | 8.20 | 0.16 | 3.20 | 50.31 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.078 |
| 477 | 11.90 | 11.80 | 0.54724 | 2.7 | 1.08646 | 0.00 | 8.20 | 0.16 | 3.20 | 50.37 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.086 |
| 478 | 11.80 | 11.70 | 0.55234 | 2.7 | 1.09529 | 0.00 | 8.20 | 0.16 | 3.20 | 50.43 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.095 |
| 479 | 11.70 | 11.60 | 0.55745 | 2.7 | 1.10411 | 0.00 | 8.20 | 0.16 | 3.20 | 50.49 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.104 |
| 480 | 11.60 | 11.50 | 0.56255 | 2.6 | 1.11292 | 0.00 | 8.20 | 0.16 | 3.20 | 50.55 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.113 |
| 481 | 11.50 | 11.40 | 0.56765 | 2.6 | 1.12172 | 0.00 | 8.20 | 0.16 | 3.20 | 50.61 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.122 |
| 482 | 11.40 | 11.30 | 0.57275 | 2.6 | 1.13051 | 0.00 | 8.20 | 0.16 | 3.20 | 50.66 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.131 |
| 483 | 11.30 | 11.20 | 0.57785 | 2.6 | 1.13929 | 0.00 | 8.20 | 0.16 | 3.20 | 50.72 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.139 |
| 484 | 11.20 | 11.10 | 0.58296 | 2.5 | 1.14806 | 0.00 | 8.21 | 0.16 | 3.20 | 50.78 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.148 |
| 485 | 11.10 | 11.00 | 0.58806 | 2.5 | 1.15682 | 0.00 | 8.21 | 0.16 | 3.20 | 50.83 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.157 |
| 486 | 11.00 | 10.90 | 0.59316 | 2.5 | 1.16557 | 0.00 | 8.21 | 0.16 | 3.20 | 50.89 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.166 |
| TOT | | | | | | 0.19 | | | | 4595.65 | 31360.00 | | | | | |
| AVG | | | | | 0.5940 | | | 0.15 | 3.20 | | | 0.47 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 20.500 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 20.400 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 20.300 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 20.200 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 20.100 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 20.000 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 19.900 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 19.800 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 19.700 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 19.600 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 19.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 19.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 19.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 19.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 404 | 19.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 405 | 19.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 406 | 18.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 407 | 18.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 408 | 18.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 409 | 18.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 410 | 18.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 411 | 18.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 412 | 18.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | 18.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 414 | 18.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 415 | 18.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 416 | 17.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 417 | 17.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 418 | 17.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 17.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 420 | 17.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 17.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 17.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 17.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 17.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 17.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 16.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 16.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 16.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 16.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 16.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 16.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 16.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 16.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 16.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 16.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 15.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 15.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 15.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 15.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 15.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 15.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 15.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 15.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 15.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 15.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 14.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 14.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 14.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 14.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 14.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 14.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 14.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 14.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 14.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 14.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 13.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 13.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 13.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 13.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 13.500 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 13.400 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 13.300 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 13.200 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 13.100 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 13.000 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 12.900 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 12.800 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 12.700 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 12.600 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 12.500 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 12.400 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 12.300 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 12.200 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 12.100 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 12.000 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 11.900 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 11.800 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 11.700 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 11.600 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 11.500 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 481 | 11.400 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 11.300 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 11.200 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 11.100 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 11.000 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 10.900 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 10.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.70 | 15.03 | 0.00 | 15.29 | 0.00 | 1.86 | 0.64 | 0.43 | 2.92 | 1.88 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 390 | 20.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 15.79 | 0.00 | 16.07 | 0.00 | 1.81 | 0.62 | 0.43 | 2.86 | 1.83 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 391 | 20.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 16.48 | 0.00 | 16.78 | 0.00 | 1.77 | 0.60 | 0.42 | 2.80 | 1.80 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 392 | 20.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.72 | 17.10 | 0.00 | 17.43 | 0.00 | 1.74 | 0.59 | 0.42 | 2.75 | 1.76 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 393 | 20.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 17.84 | 0.00 | 18.19 | 0.00 | 1.71 | 0.61 | 0.42 | 2.75 | 1.74 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 394 | 20.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 18.35 | 0.00 | 18.72 | 0.00 | 1.68 | 0.59 | 0.42 | 2.70 | 1.71 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 395 | 20.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.72 | 18.82 | 0.00 | 19.21 | 0.00 | 1.66 | 0.58 | 0.42 | 2.66 | 1.69 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 396 | 19.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.72 | 19.25 | 0.00 | 19.66 | 0.00 | 1.63 | 0.57 | 0.42 | 2.62 | 1.66 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 397 | 19.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.73 | 19.65 | 0.00 | 20.08 | 0.00 | 1.61 | 0.56 | 0.42 | 2.58 | 1.64 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 398 | 19.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.73 | 20.01 | 0.00 | 20.47 | 0.00 | 1.58 | 0.55 | 0.42 | 2.55 | 1.62 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 399 | 19.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.74 | 20.36 | 0.00 | 20.83 | 0.00 | 1.56 | 0.54 | 0.41 | 2.52 | 1.60 | 2.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 400 | 19.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.74 | 20.68 | 0.00 | 21.17 | 0.00 | 1.54 | 0.53 | 0.41 | 2.49 | 1.58 | 2.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 401 | 19.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.75 | 20.97 | 0.00 | 21.49 | 0.00 | 1.53 | 0.52 | 0.41 | 2.46 | 1.57 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 402 | 19.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.75 | 21.25 | 0.00 | 21.80 | 0.00 | 1.51 | 0.51 | 0.41 | 2.43 | 1.55 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.1 | 0.0 | 0. | 0.00 |
| 403 | 19.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.75 | 21.52 | 0.00 | 22.08 | 0.00 | 1.49 | 0.51 | 0.41 | 2.41 | 1.54 | 2.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. | 0.00 |
| 404 | 19.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.76 | 21.76 | 0.00 | 22.35 | 0.00 | 1.48 | 0.50 | 0.41 | 2.39 | 1.53 | 2.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.5 | 0.0 | 0. | 0.00 |
| 405 | 19.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.76 | 21.99 | 0.00 | 22.60 | 0.00 | 1.46 | 0.49 | 0.41 | 2.37 | 1.51 | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. | 0.00 |
| 406 | 18.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.76 | 22.21 | 0.00 | 22.84 | 0.00 | 1.45 | 0.49 | 0.41 | 2.35 | 1.50 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |
| 407 | 18.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.77 | 22.42 | 0.00 | 23.07 | 0.00 | 1.44 | 0.48 | 0.41 | 2.33 | 1.49 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.1 | 0.0 | 0. | 0.00 |
| 408 | 18.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.77 | 22.61 | 0.00 | 23.29 | 0.00 | 1.43 | 0.48 | 0.40 | 2.31 | 1.48 | 2.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.3 | 0.0 | 0. | 0.00 |
| 409 | 18.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.77 | 22.80 | 0.00 | 23.49 | 0.00 | 1.42 | 0.47 | 0.40 | 2.29 | 1.47 | 2.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.5 | 0.0 | 0. | 0.00 |
| 410 | 18.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 22.98 | 0.00 | 23.69 | 0.00 | 1.41 | 0.47 | 0.40 | 2.28 | 1.46 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.7 | 0.0 | 0. | 0.00 |
| 411 | 18.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 23.14 | 0.00 | 23.88 | 0.00 | 1.40 | 0.46 | 0.40 | 2.26 | 1.45 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.9 | 0.0 | 0. | 0.00 |
| 412 | 18.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 23.30 | 0.00 | 24.06 | 0.00 | 1.39 | 0.46 | 0.40 | 2.25 | 1.45 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.1 | 0.0 | 0. | 0.00 |
| 413 | 18.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 23.45 | 0.00 | 24.23 | 0.00 | 1.38 | 0.45 | 0.40 | 2.23 | 1.44 | 2.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.3 | 0.0 | 0. | 0.00 |
| 414 | 18.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 23.60 | 0.00 | 24.40 | 0.00 | 1.37 | 0.45 | 0.40 | 2.22 | 1.43 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.5 | 0.0 | 0. | 0.00 |
| 415 | 18.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 23.74 | 0.00 | 24.56 | 0.00 | 1.36 | 0.45 | 0.40 | 2.21 | 1.43 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.7 | 0.0 | 0. | 0.00 |
| 416 | 17.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 23.87 | 0.00 | 24.71 | 0.00 | 1.35 | 0.44 | 0.40 | 2.19 | 1.42 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.9 | 0.0 | 0. | 0.00 |
| 417 | 17.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 23.99 | 0.00 | 24.86 | 0.00 | 1.34 | 0.44 | 0.40 | 2.18 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.1 | 0.0 | 0. | 0.00 |
| 418 | 17.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.12 | 0.00 | 25.00 | 0.00 | 1.34 | 0.44 | 0.40 | 2.17 | 1.41 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.3 | 0.0 | 0. | 0.00 |
| 419 | 17.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.23 | 0.00 | 25.14 | 0.00 | 1.33 | 0.43 | 0.40 | 2.16 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.5 | 0.0 | 0. | 0.00 |
| 420 | 17.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.34 | 0.00 | 25.27 | 0.00 | 1.32 | 0.43 | 0.40 | 2.15 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.7 | 0.0 | 0. | 0.00 |
| 421 | 17.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.45 | 0.00 | 25.40 | 0.00 | 1.32 | 0.43 | 0.40 | 2.14 | 1.39 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.9 | 0.0 | 0. | 0.00 |
| 422 | 17.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.55 | 0.00 | 25.52 | 0.00 | 1.31 | 0.42 | 0.40 | 2.13 | 1.39 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.1 | 0.0 | 0. | 0.00 |
| 423 | 17.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 24.65 | 0.00 | 25.64 | 0.00 | 1.31 | 0.42 | 0.40 | 2.12 | 1.38 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.3 | 0.0 | 0. | 0.00 |
| 424 | 17.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 24.75 | 0.00 | 25.76 | 0.00 | 1.30 | 0.42 | 0.39 | 2.11 | 1.38 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.5 | 0.0 | 0. | 0.00 |
| 425 | 17.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 24.84 | 0.00 | 25.87 | 0.00 | 1.29 | 0.42 | 0.39 | 2.11 | 1.38 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.7 | 0.0 | 0. | 0.00 |
| 426 | 16.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 24.93 | 0.00 | 25.98 | 0.00 | 1.29 | 0.41 | 0.39 | 2.10 | 1.37 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.9 | 0.0 | 0. | 0.00 |
| 427 | 16.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.01 | 0.00 | 26.09 | 0.00 | 1.28 | 0.41 | 0.39 | 2.09 | 1.37 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.1 | 0.0 | 0. | 0.00 |
| 428 | 16.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 25.27 | 0.00 | 26.37 | 0.00 | 1.29 | 0.46 | 0.40 | 2.15 | 1.38 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.3 | 0.0 | 0. | 0.00 |
| 429 | 16.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 25.34 | 0.00 | 26.47 | 0.00 | 1.29 | 0.45 | 0.40 | 2.14 | 1.38 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.5 | 0.0 | 0. | 0.00 |
| 430 | 16.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 25.42 | 0.00 | 26.56 | 0.00 | 1.28 | 0.45 | 0.40 | 2.14 | 1.38 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.7 | 0.0 | 0. | 0.00 |
| 431 | 16.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 25.49 | 0.00 | 26.65 | 0.00 | 1.28 | 0.45 | 0.40 | 2.13 | 1.37 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.9 | 0.0 | 0. | 0.00 |
| 432 | 16.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 25.56 | 0.00 | 26.74 | 0.00 | 1.28 | 0.44 | 0.40 | 2.12 | 1.37 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.1 | 0.0 | 0. | 0.00 |
| 433 | 16.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 25.62 | 0.00 | 26.83 | 0.00 | 1.27 | 0.44 | 0.40 | 2.11 | 1.37 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.3 | 0.0 | 0. | 0.00 |
| 434 | 16.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 25.69 | 0.00 | 26.92 | 0.00 | 1.27 | 0.44 | 0.40 | 2.11 | 1.36 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.5 | 0.0 | 0. | 0.00 |
| 435 | 16.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 25.75 | 0.00 | 27.00 | 0.00 | 1.26 | 0.44 | 0.40 | 2.10 | 1.36 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.7 | 0.0 | 0. | 0.00 |
| 436 | 15.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.81 | 0.00 | 27.08 | 0.00 | 1.26 | 0.43 | 0.40 | 2.09 | 1.36 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.9 | 0.0 | 0. | 0.00 |
| 437 | 15.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.87 | 0.00 | 27.16 | 0.00 | 1.25 | 0.43 | 0.40 | 2.09 | 1.36 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.1 | 0.0 | 0. | 0.00 |
| 438 | 15.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.92 | 0.00 | 27.24 | 0.00 | 1.25 | 0.43 | 0.40 | 2.08 | 1.36 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.3 | 0.0 | 0. | 0.00 |
| 439 | 15.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.98 | 0.00 | 27.32 | 0.00 | 1.25 | 0.43 | 0.40 | 2.07 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.5 | 0.0 | 0. | 0.00 |
| 440 | 15.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.03 | 0.00 | 27.39 | 0.00 | 1.24 | 0.43 | 0.40 | 2.07 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.7 | 0.0 | 0. | 0.00 |
| 441 | 15.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.08 | 0.00 | 27.47 | 0.00 | 1.24 | 0.42 | 0.40 | 2.06 | 1.35 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.9 | 0.0 | 0. | 0.00 |
| 442 | 15.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.14 | 0.00 | 27.54 | 0.00 | 1.24 | 0.42 | 0.40 | 2.06 | 1.35 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.1 | 0.0 | 0. | 0.00 |
| 443 | 15.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.18 | 0.00 | 27.61 | 0.00 | 1.23 | 0.42 | 0.40 | 2.05 | 1.35 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.3 | 0.0 | 0. | 0.00 |
| 444 | 15.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.23 | 0.00 | 27.68 | 0.00 | 1.23 | 0.42 | 0.40 | 2.04 | 1.35 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.5 | 0.0 | 0. | 0.00 |
| 445 | 15.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.28 | 0.00 | 27.75 | 0.00 | 1.23 | 0.42 | 0.40 | 2.04 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.7 | 0.0 | 0. | 0.00 |
| 446 | 14.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.32 | 0.00 | 27.81 | 0.00 | 1.22 | 0.41 | 0.40 | 2.03 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.9 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 447 | 14.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.37 | 0.00 | 27.88 | 0.00 | 1.22 | 0.41 | 0.40 | 2.03 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.1 | 0.0 | 0. | 0.00 |
| 448 | 14.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.41 | 0.00 | 27.94 | 0.00 | 1.22 | 0.41 | 0.39 | 2.02 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.3 | 0.0 | 0. | 0.00 |
| 449 | 14.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.45 | 0.00 | 28.01 | 0.00 | 1.22 | 0.41 | 0.39 | 2.02 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.5 | 0.0 | 0. | 0.00 |
| 450 | 14.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.49 | 0.00 | 28.07 | 0.00 | 1.21 | 0.41 | 0.39 | 2.02 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.7 | 0.0 | 0. | 0.00 |
| 451 | 14.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 26.53 | 0.00 | 28.13 | 0.00 | 1.21 | 0.41 | 0.39 | 2.01 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.9 | 0.0 | 0. | 0.00 |
| 452 | 14.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.69 | 0.00 | 28.31 | 0.00 | 1.22 | 0.44 | 0.40 | 2.06 | 1.35 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.1 | 0.0 | 0. | 0.00 |
| 453 | 14.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.73 | 0.00 | 28.36 | 0.00 | 1.22 | 0.44 | 0.40 | 2.05 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.3 | 0.0 | 0. | 0.00 |
| 454 | 14.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.76 | 0.00 | 28.42 | 0.00 | 1.21 | 0.43 | 0.40 | 2.05 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.6 | 0.0 | 0. | 0.00 |
| 455 | 14.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.80 | 0.00 | 28.48 | 0.00 | 1.21 | 0.43 | 0.40 | 2.04 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.8 | 0.0 | 0. | 0.00 |
| 456 | 13.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.82 | 0.00 | 28.52 | 0.00 | 1.21 | 0.43 | 0.40 | 2.04 | 1.34 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.0 | 0.0 | 0. | 0.00 |
| 457 | 13.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.85 | 0.00 | 28.58 | 0.00 | 1.21 | 0.43 | 0.40 | 2.03 | 1.34 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.2 | 0.0 | 0. | 0.00 |
| 458 | 13.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.88 | 0.00 | 28.63 | 0.00 | 1.20 | 0.43 | 0.40 | 2.03 | 1.34 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.4 | 0.0 | 0. | 0.00 |
| 459 | 13.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.92 | 0.00 | 28.68 | 0.00 | 1.20 | 0.42 | 0.40 | 2.03 | 1.34 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.6 | 0.0 | 0. | 0.00 |
| 460 | 13.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.95 | 0.00 | 28.74 | 0.00 | 1.20 | 0.42 | 0.40 | 2.02 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.8 | 0.0 | 0. | 0.00 |
| 461 | 13.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.98 | 0.00 | 28.79 | 0.00 | 1.20 | 0.42 | 0.40 | 2.02 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.0 | 0.0 | 0. | 0.00 |
| 462 | 13.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 27.01 | 0.00 | 28.84 | 0.00 | 1.20 | 0.42 | 0.40 | 2.01 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.2 | 0.0 | 0. | 0.00 |
| 463 | 13.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.03 | 0.00 | 28.89 | 0.00 | 1.19 | 0.42 | 0.40 | 2.01 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.4 | 0.0 | 0. | 0.00 |
| 464 | 13.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.06 | 0.00 | 28.94 | 0.00 | 1.19 | 0.42 | 0.40 | 2.01 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.6 | 0.0 | 0. | 0.00 |
| 465 | 13.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.09 | 0.00 | 28.99 | 0.00 | 1.19 | 0.42 | 0.40 | 2.00 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.8 | 0.0 | 0. | 0.00 |
| 466 | 12.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.12 | 0.00 | 29.04 | 0.00 | 1.19 | 0.41 | 0.40 | 2.00 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 0.0 | 0. | 0.00 |
| 467 | 12.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.14 | 0.00 | 29.09 | 0.00 | 1.19 | 0.41 | 0.40 | 1.99 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.2 | 0.0 | 0. | 0.00 |
| 468 | 12.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.17 | 0.00 | 29.13 | 0.00 | 1.18 | 0.41 | 0.40 | 1.99 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.4 | 0.0 | 0. | 0.00 |
| 469 | 12.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.20 | 0.00 | 29.18 | 0.00 | 1.18 | 0.41 | 0.40 | 1.99 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.6 | 0.0 | 0. | 0.00 |
| 470 | 12.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.22 | 0.00 | 29.23 | 0.00 | 1.18 | 0.41 | 0.40 | 1.98 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.8 | 0.0 | 0. | 0.00 |
| 471 | 12.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.25 | 0.00 | 29.27 | 0.00 | 1.18 | 0.41 | 0.40 | 1.98 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 472 | 12.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.27 | 0.00 | 29.32 | 0.00 | 1.18 | 0.41 | 0.39 | 1.98 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.2 | 0.0 | 0. | 0.00 |
| 473 | 12.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.29 | 0.00 | 29.36 | 0.00 | 1.17 | 0.41 | 0.39 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.4 | 0.0 | 0. | 0.00 |
| 474 | 12.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.32 | 0.00 | 29.41 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0. | 0.00 |
| 475 | 12.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.34 | 0.00 | 29.45 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0. | 0.00 |
| 476 | 11.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.36 | 0.00 | 29.50 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 477 | 11.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.38 | 0.00 | 29.54 | 0.00 | 1.17 | 0.40 | 0.39 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.2 | 0.0 | 0. | 0.00 |
| 478 | 11.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.40 | 0.00 | 29.58 | 0.00 | 1.17 | 0.40 | 0.39 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 479 | 11.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.42 | 0.00 | 29.62 | 0.00 | 1.16 | 0.40 | 0.39 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.6 | 0.0 | 0. | 0.00 |
| 480 | 11.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.45 | 0.00 | 29.67 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 481 | 11.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.47 | 0.00 | 29.71 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 482 | 11.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.49 | 0.00 | 29.75 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 483 | 11.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.50 | 0.00 | 29.79 | 0.00 | 1.16 | 0.39 | 0.39 | 1.95 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 484 | 11.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.52 | 0.00 | 29.83 | 0.00 | 1.16 | 0.39 | 0.39 | 1.94 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.6 | 0.0 | 0. | 0.00 |
| 485 | 11.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.54 | 0.00 | 29.87 | 0.00 | 1.16 | 0.39 | 0.39 | 1.94 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.8 | 0.0 | 0. | 0.00 |
| 486 | 10.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.20 | 0.00 | 29.55 | 0.00 | 1.15 | 0.40 | 0.39 | 1.93 | 1.34 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 390 | 20.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 391 | 20.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 392 | 20.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 393 | 20.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 394 | 20.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 395 | 20.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 396 | 19.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 397 | 19.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 398 | 19.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 399 | 19.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 400 | 19.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 401 | 19.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 402 | 19.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 403 | 19.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 404 | 19.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 405 | 19.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 406 | 18.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 407 | 18.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 408 | 18.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 409 | 18.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 410 | 18.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 411 | 18.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 412 | 18.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 413 | 18.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 414 | 18.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 415 | 18.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 416 | 17.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 417 | 17.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 418 | 17.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 419 | 17.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 420 | 17.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 421 | 17.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 422 | 17.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 423 | 17.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 424 | 17.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 425 | 17.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 426 | 16.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 427 | 16.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 428 | 16.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 429 | 16.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 430 | 16.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 431 | 16.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 432 | 16.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 433 | 16.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 434 | 16.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 435 | 16.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 436 | 15.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 437 | 15.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 438 | 15.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 439 | 15.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 440 | 15.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 441 | 15.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 442 | 15.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 443 | 15.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 444 | 15.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 445 | 15.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 446 | 14.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 447 | 14.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 448 | 14.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 449 | 14.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 450 | 14.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 451 | 14.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 452 | 14.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 453 | 14.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 454 | 14.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 455 | 14.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 456 | 13.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 457 | 13.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 458 | 13.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 459 | 13.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 460 | 13.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 461 | 13.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 462 | 13.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 463 | 13.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 464 | 13.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 465 | 13.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 466 | 12.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 467 | 12.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 468 | 12.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 469 | 12.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 470 | 12.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 471 | 12.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 472 | 12.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 473 | 12.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 474 | 12.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 475 | 12.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 476 | 11.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 477 | 11.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 478 | 11.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 479 | 11.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 480 | 11.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 481 | 11.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 482 | 11.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 483 | 11.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 484 | 11.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 485 | 11.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 486 | 10.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 8 Pontchatoula (Arnold to YWR) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | UPR RCH | 0.59316 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.20 | 0.00 | 29.55 | 0.00 | 1.15 | 0.40 | 0.39 | 0.00 | 22.00 | 0.00 | 0.00 |
| 561 | TRIB | 0.02891 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 16.89 | 0.00 | 19.24 | 0.00 | 0.94 | 0.31 | 0.16 | 0.00 | 22.00 | 0.00 | 0.00 |
| 564 | WSTLD | 0.00001 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | WSTLD | 0.00342 | 20.00 | 0.00 | 0.00 | 0.00 | 3.00 | 61.40 | 0.00 | 61.40 | 0.00 | 4.50 | 8.90 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | WSTLD | 0.00129 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 70.80 | 0.00 | 70.80 | 0.00 | 5.10 | 10.27 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 603 | WSTLD | 0.00283 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 11.00 | 0.00 | 11.00 | 0.00 | 1.40 | 0.32 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.90 | 10.80 | 0.62207 | 2.5 | 0.06857 | 0.02 | 8.22 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 64.02 | 0.000 | 25.000 | 0.069 |
| 562 | 10.80 | 10.70 | 0.62207 | 2.5 | 0.06857 | 0.02 | 8.24 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 128.03 | 0.001 | 25.000 | 0.069 |
| 563 | 10.70 | 10.60 | 0.62207 | 2.5 | 0.06857 | 0.02 | 8.26 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 192.05 | 0.001 | 25.000 | 0.069 |
| 564 | 10.60 | 10.50 | 0.62208 | 2.5 | 0.06857 | 0.02 | 8.27 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 256.06 | 0.001 | 25.000 | 0.069 |
| 565 | 10.50 | 10.40 | 0.62208 | 2.5 | 0.06857 | 0.02 | 8.29 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 320.08 | 0.002 | 25.000 | 0.069 |
| 566 | 10.40 | 10.30 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.31 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 384.09 | 0.002 | 25.000 | 0.069 |
| 567 | 10.30 | 10.20 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.33 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 448.11 | 0.002 | 25.000 | 0.069 |
| 568 | 10.20 | 10.10 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.34 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 512.12 | 0.003 | 25.000 | 0.069 |
| 569 | 10.10 | 10.00 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.36 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 576.14 | 0.003 | 25.000 | 0.069 |
| 570 | 10.00 | 9.90 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.38 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 640.15 | 0.003 | 25.000 | 0.069 |
| 571 | 9.90 | 9.80 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.39 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 704.17 | 0.004 | 25.000 | 0.069 |
| 572 | 9.80 | 9.70 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.41 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 768.18 | 0.004 | 25.000 | 0.069 |
| 573 | 9.70 | 9.60 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.43 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 832.20 | 0.004 | 25.000 | 0.069 |
| 574 | 9.60 | 9.50 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.44 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 896.21 | 0.005 | 25.000 | 0.069 |
| 575 | 9.50 | 9.40 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.46 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 960.23 | 0.005 | 25.000 | 0.069 |
| 576 | 9.40 | 9.30 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.48 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1024.24 | 0.005 | 25.000 | 0.069 |
| 577 | 9.30 | 9.20 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.49 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1088.26 | 0.006 | 25.000 | 0.069 |
| 578 | 9.20 | 9.10 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.51 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1152.27 | 0.006 | 25.000 | 0.069 |
| 579 | 9.10 | 9.00 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.53 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1216.29 | 0.006 | 25.000 | 0.069 |
| 580 | 9.00 | 8.90 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.54 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1280.30 | 0.007 | 25.000 | 0.069 |
| 581 | 8.90 | 8.80 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.56 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1344.32 | 0.007 | 25.000 | 0.069 |
| 582 | 8.80 | 8.70 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.58 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1408.33 | 0.007 | 25.000 | 0.069 |
| 583 | 8.70 | 8.60 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.59 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1472.35 | 0.008 | 25.000 | 0.069 |
| 584 | 8.60 | 8.50 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.61 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1536.36 | 0.008 | 25.000 | 0.069 |
| 585 | 8.50 | 8.40 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.63 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1600.38 | 0.008 | 25.000 | 0.069 |
| 586 | 8.40 | 8.30 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.64 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1664.39 | 0.008 | 25.000 | 0.069 |
| 587 | 8.30 | 8.20 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.66 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1728.41 | 0.009 | 25.000 | 0.069 |
| 588 | 8.20 | 8.10 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.68 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1792.42 | 0.009 | 25.000 | 0.069 |
| 589 | 8.10 | 8.00 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.69 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1856.44 | 0.009 | 25.000 | 0.069 |
| 590 | 8.00 | 7.90 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.71 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1920.45 | 0.010 | 25.000 | 0.069 |
| 591 | 7.90 | 7.80 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.73 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1984.47 | 0.010 | 25.000 | 0.069 |
| 592 | 7.80 | 7.70 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.75 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2048.48 | 0.010 | 25.000 | 0.069 |
| 593 | 7.70 | 7.60 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.76 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2112.50 | 0.011 | 25.000 | 0.069 |
| 594 | 7.60 | 7.50 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.78 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2176.51 | 0.011 | 25.000 | 0.069 |
| 595 | 7.50 | 7.40 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.80 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2240.52 | 0.011 | 25.000 | 0.069 |
| 596 | 7.40 | 7.30 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.81 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2304.54 | 0.012 | 25.000 | 0.069 |
| 597 | 7.30 | 7.20 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.83 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2368.55 | 0.012 | 25.000 | 0.069 |
| 598 | 7.20 | 7.10 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.85 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2432.57 | 0.012 | 25.000 | 0.069 |
| 599 | 7.10 | 7.00 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.86 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2496.58 | 0.013 | 25.000 | 0.069 |
| 600 | 7.00 | 6.90 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.88 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2560.60 | 0.013 | 25.000 | 0.069 |
| 601 | 6.90 | 6.80 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.90 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2624.61 | 0.013 | 25.000 | 0.069 |
| 602 | 6.80 | 6.70 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.91 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2688.63 | 0.014 | 25.000 | 0.069 |
| 603 | 6.70 | 6.60 | 0.62962 | 3.6 | 0.06930 | 0.02 | 8.93 | 0.50 | 18.29 | 908.59 | 1829.00 | 9.09 | 2752.64 | 0.014 | 25.000 | 0.069 |
| TOT | | | | | | 0.72 | | | | 39038.64 | 78647.01 | | | | | |
| AVG | | | | | 0.0689 | | | 0.50 | 18.29 | | | 9.08 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. | REAER RATE | BOD1 DECAY | BOD1 SETT | ABOD1 DECAY | BOD1 HYDR | BOD2 DECAY | BOD2 SETT | ABOD2 DECAY | BKGD SOD | FULL SOD | CORR SOD | ORG-N HYDR | ORG-N SETT | NH3-N DECAY | NH3-N SRCE | DENIT RATE | ORG-P HYDR | ORG-P SETT | PO4 SRCE | PHYTO PROD | PERIP PROD | COLI DECAY | NCM DECAY | NCM SETT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | * | * | * | 1/da | 1/da | 1/da | * | 1/da | 1/da | 1/da | * | ** | ** | 1/da | 1/da | 1/da |
| 561 | 10.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 562 | 10.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 563 | 10.600 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 564 | 10.500 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 565 | 10.400 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | 10.300 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 567 | 10.200 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 568 | 10.100 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 569 | 10.000 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 570 | 9.900 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 571 | 9.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 572 | 9.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 573 | 9.600 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 574 | 9.500 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 575 | 9.400 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 576 | 9.300 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 577 | 9.200 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 578 | 9.100 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 579 | 9.000 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 580 | 8.900 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 581 | 8.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 582 | 8.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 583 | 8.600 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | 8.500 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 585 | 8.400 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 586 | 8.300 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 587 | 8.200 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 588 | 8.100 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 589 | 8.000 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 590 | 7.900 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 591 | 7.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 592 | 7.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 593 | 7.600 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 594 | 7.500 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 595 | 7.400 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 596 | 7.300 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 597 | 7.200 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 598 | 7.100 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 599 | 7.000 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600 | 6.900 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 601 | 6.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 602 | 6.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 603 | 6.600 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.41 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 27.01 | 0.00 | 29.35 | 0.00 | 1.15 | 0.40 | 0.38 | 1.93 | 1.34 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 562 | 10.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 27.00 | 0.00 | 29.33 | 0.00 | 1.15 | 0.40 | 0.38 | 1.93 | 1.34 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 563 | 10.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 26.99 | 0.00 | 29.32 | 0.00 | 1.15 | 0.40 | 0.38 | 1.94 | 1.34 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.8 | 0.0 | 0. | 0.00 |
| 564 | 10.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.77 | 26.99 | 0.00 | 29.31 | 0.00 | 1.15 | 0.41 | 0.38 | 1.95 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 565 | 10.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.75 | 27.00 | 0.00 | 29.31 | 0.00 | 1.16 | 0.42 | 0.39 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 566 | 10.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.73 | 27.02 | 0.00 | 29.32 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.6 | 0.0 | 0. | 0.00 |
| 567 | 10.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 26.99 | 0.00 | 29.29 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.5 | 0.0 | 0. | 0.00 |
| 568 | 10.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.70 | 26.97 | 0.00 | 29.26 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 569 | 10.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.68 | 26.94 | 0.00 | 29.23 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 570 | 9.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.67 | 26.92 | 0.00 | 29.19 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.3 | 0.0 | 0. | 0.00 |
| 571 | 9.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.66 | 26.90 | 0.00 | 29.16 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 572 | 9.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.64 | 26.87 | 0.00 | 29.13 | 0.00 | 1.16 | 0.42 | 0.39 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 573 | 9.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.63 | 26.85 | 0.00 | 29.10 | 0.00 | 1.16 | 0.42 | 0.39 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.1 | 0.0 | 0. | 0.00 |
| 574 | 9.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.62 | 26.83 | 0.00 | 29.07 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 575 | 9.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.60 | 26.80 | 0.00 | 29.04 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 576 | 9.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.59 | 26.78 | 0.00 | 29.01 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.9 | 0.0 | 0. | 0.00 |
| 577 | 9.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.58 | 26.76 | 0.00 | 28.98 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 578 | 9.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.57 | 26.74 | 0.00 | 28.95 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.7 | 0.0 | 0. | 0.00 |
| 579 | 9.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.55 | 26.71 | 0.00 | 28.92 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.7 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 580 | 8.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.54 | 26.69 | 0.00 | 28.89 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.6 | 0.0 | 0. | 0.00 |
| 581 | 8.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.53 | 26.68 | 0.00 | 28.87 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |
| 582 | 8.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.52 | 26.66 | 0.00 | 28.84 | 0.00 | 1.16 | 0.42 | 0.38 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |
| 583 | 8.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.50 | 26.64 | 0.00 | 28.82 | 0.00 | 1.16 | 0.42 | 0.38 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 584 | 8.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.49 | 26.63 | 0.00 | 28.80 | 0.00 | 1.17 | 0.42 | 0.38 | 1.98 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.3 | 0.0 | 0. | 0.00 |
| 585 | 8.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.48 | 26.59 | 0.00 | 28.76 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.3 | 0.0 | 0. | 0.00 |
| 586 | 8.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.47 | 26.56 | 0.00 | 28.71 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.2 | 0.0 | 0. | 0.00 |
| 587 | 8.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.46 | 26.51 | 0.00 | 28.66 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 588 | 8.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.45 | 26.47 | 0.00 | 28.61 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 589 | 8.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.44 | 26.41 | 0.00 | 28.55 | 0.00 | 1.17 | 0.42 | 0.38 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |
| 590 | 7.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.43 | 26.35 | 0.00 | 28.48 | 0.00 | 1.17 | 0.41 | 0.38 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.9 | 0.0 | 0. | 0.00 |
| 591 | 7.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.42 | 26.28 | 0.00 | 28.40 | 0.00 | 1.17 | 0.41 | 0.38 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0. | 0.00 |
| 592 | 7.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.41 | 26.20 | 0.00 | 28.31 | 0.00 | 1.17 | 0.41 | 0.38 | 1.95 | 1.34 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0. | 0.00 |
| 593 | 7.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.40 | 26.09 | 0.00 | 28.20 | 0.00 | 1.17 | 0.41 | 0.37 | 1.95 | 1.34 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.7 | 0.0 | 0. | 0.00 |
| 594 | 7.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.40 | 25.97 | 0.00 | 28.07 | 0.00 | 1.17 | 0.40 | 0.37 | 1.94 | 1.34 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0. | 0.00 |
| 595 | 7.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.39 | 25.82 | 0.00 | 27.91 | 0.00 | 1.17 | 0.40 | 0.37 | 1.94 | 1.34 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0. | 0.00 |
| 596 | 7.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.38 | 25.63 | 0.00 | 27.71 | 0.00 | 1.18 | 0.39 | 0.36 | 1.93 | 1.34 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.5 | 0.0 | 0. | 0.00 |
| 597 | 7.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.37 | 25.40 | 0.00 | 27.48 | 0.00 | 1.18 | 0.38 | 0.35 | 1.92 | 1.35 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.4 | 0.0 | 0. | 0.00 |
| 598 | 7.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.36 | 25.11 | 0.00 | 27.18 | 0.00 | 1.19 | 0.37 | 0.35 | 1.91 | 1.35 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.3 | 0.0 | 0. | 0.00 |
| 599 | 7.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.35 | 24.75 | 0.00 | 26.81 | 0.00 | 1.19 | 0.36 | 0.34 | 1.89 | 1.36 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.3 | 0.0 | 0. | 0.00 |
| 600 | 6.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.34 | 24.30 | 0.00 | 26.35 | 0.00 | 1.20 | 0.35 | 0.32 | 1.87 | 1.36 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.2 | 0.0 | 0. | 0.00 |
| 601 | 6.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.33 | 23.72 | 0.00 | 25.77 | 0.00 | 1.21 | 0.33 | 0.31 | 1.85 | 1.37 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0. | 0.00 |
| 602 | 6.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.31 | 22.99 | 0.00 | 25.03 | 0.00 | 1.22 | 0.31 | 0.28 | 1.82 | 1.38 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0. | 0.00 |
| 603 | 6.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 22.07 | 0.00 | 24.10 | 0.00 | 1.24 | 0.28 | 0.26 | 1.78 | 1.40 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 562 | 10.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 563 | 10.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 564 | 10.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 565 | 10.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 566 | 10.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 567 | 10.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 568 | 10.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 569 | 10.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 570 | 9.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 571 | 9.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 572 | 9.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 573 | 9.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 574 | 9.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 575 | 9.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 576 | 9.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 577 | 9.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 578 | 9.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 579 | 9.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 580 | 8.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 581 | 8.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 582 | 8.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 583 | 8.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 584 | 8.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 585 | 8.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 586 | 8.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 587 | 8.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 588 | 8.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 589 | 8.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 590 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 591 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 592 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 593 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 594 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 595 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 596 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 597 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 598 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 599 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 600 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 601 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 602 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 603 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 9 Pontchatoula (YWR to base) Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | UPR RCH | 0.62962 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 22.07 | 0.00 | 24.10 | 0.00 | 1.24 | 0.28 | 0.26 | 0.00 | 19.00 | 0.00 | 0.00 |
| 613 | WSTLD | 0.00129 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 70.80 | 0.00 | 70.80 | 0.00 | 5.10 | 10.27 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.60 | 6.50 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.08 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 3115.38 | 0.002 | 35.000 | 0.008 |
| 605 | 6.50 | 6.40 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.23 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 3478.12 | 0.002 | 35.000 | 0.008 |
| 606 | 6.40 | 6.30 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.38 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 3840.86 | 0.002 | 35.000 | 0.008 |
| 607 | 6.30 | 6.20 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.53 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 4203.60 | 0.002 | 35.000 | 0.008 |
| 608 | 6.20 | 6.10 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.68 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 4566.34 | 0.003 | 35.000 | 0.008 |
| 609 | 6.10 | 6.00 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.83 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 4929.08 | 0.003 | 35.000 | 0.008 |
| 610 | 6.00 | 5.90 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.97 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 5291.82 | 0.003 | 35.000 | 0.008 |
| 611 | 5.90 | 5.80 | 0.62962 | 3.6 | 0.00775 | 0.15 | 10.12 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 5654.56 | 0.003 | 35.000 | 0.008 |
| 612 | 5.80 | 5.70 | 0.62962 | 3.6 | 0.00775 | 0.15 | 10.27 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 6017.30 | 0.003 | 35.000 | 0.008 |
| 613 | 5.70 | 5.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 10.42 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 6380.04 | 0.004 | 35.000 | 0.008 |
| 614 | 5.60 | 5.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 10.57 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 6742.79 | 0.004 | 35.000 | 0.008 |
| 615 | 5.50 | 5.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 10.72 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 7105.53 | 0.004 | 35.000 | 0.008 |
| 616 | 5.40 | 5.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 10.87 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 7468.27 | 0.004 | 35.000 | 0.008 |
| 617 | 5.30 | 5.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.02 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 7831.01 | 0.004 | 35.000 | 0.008 |
| 618 | 5.20 | 5.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.17 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 8193.75 | 0.005 | 35.000 | 0.008 |
| 619 | 5.10 | 5.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.32 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 8556.49 | 0.005 | 35.000 | 0.008 |
| 620 | 5.00 | 4.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.47 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 8919.23 | 0.005 | 35.000 | 0.008 |
| 621 | 4.90 | 4.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.61 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 9281.97 | 0.005 | 35.000 | 0.008 |
| 622 | 4.80 | 4.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.76 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 9644.71 | 0.005 | 35.000 | 0.008 |
| 623 | 4.70 | 4.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.91 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 10007.45 | 0.006 | 35.000 | 0.008 |
| 624 | 4.60 | 4.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.06 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 10370.19 | 0.006 | 35.000 | 0.008 |
| 625 | 4.50 | 4.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.21 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 10732.93 | 0.006 | 35.000 | 0.008 |
| 626 | 4.40 | 4.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.36 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 11095.67 | 0.006 | 35.000 | 0.008 |
| 627 | 4.30 | 4.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.51 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 11458.41 | 0.007 | 35.000 | 0.009 |
| 628 | 4.20 | 4.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.66 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 11821.15 | 0.007 | 35.000 | 0.009 |
| 629 | 4.10 | 4.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.81 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 12183.89 | 0.007 | 35.000 | 0.009 |
| 630 | 4.00 | 3.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.96 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 12546.63 | 0.007 | 35.000 | 0.009 |
| 631 | 3.90 | 3.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.11 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 12909.37 | 0.007 | 35.000 | 0.009 |
| 632 | 3.80 | 3.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.25 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 13272.11 | 0.008 | 35.000 | 0.009 |
| 633 | 3.70 | 3.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.40 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 13634.85 | 0.008 | 35.000 | 0.009 |
| 634 | 3.60 | 3.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.55 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 13997.59 | 0.008 | 35.000 | 0.010 |
| 635 | 3.50 | 3.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.70 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 14360.33 | 0.008 | 35.000 | 0.010 |
| 636 | 3.40 | 3.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.85 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 14723.07 | 0.008 | 35.000 | 0.010 |
| 637 | 3.30 | 3.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.00 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 15085.81 | 0.009 | 35.000 | 0.010 |
| 638 | 3.20 | 3.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.15 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 15448.55 | 0.009 | 35.000 | 0.010 |
| 639 | 3.10 | 3.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.30 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 15811.29 | 0.009 | 35.000 | 0.010 |
| 640 | 3.00 | 2.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.45 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 16174.03 | 0.009 | 35.000 | 0.011 |
| 641 | 2.90 | 2.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.60 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 16536.77 | 0.009 | 35.000 | 0.011 |
| 642 | 2.80 | 2.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.75 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 16899.51 | 0.010 | 35.000 | 0.011 |
| 643 | 2.70 | 2.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.89 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 17262.25 | 0.010 | 35.000 | 0.011 |
| 644 | 2.60 | 2.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.04 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 17624.99 | 0.010 | 35.000 | 0.011 |
| 645 | 2.50 | 2.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.19 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 17987.73 | 0.010 | 35.000 | 0.011 |
| 646 | 2.40 | 2.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.34 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 18350.47 | 0.010 | 35.000 | 0.012 |
| 647 | 2.30 | 2.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.49 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 18713.21 | 0.011 | 35.000 | 0.012 |
| 648 | 2.20 | 2.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.64 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 19075.95 | 0.011 | 35.000 | 0.012 |
| 649 | 2.10 | 2.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.79 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 19438.69 | 0.011 | 35.000 | 0.012 |
| 650 | 2.00 | 1.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.94 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 19801.43 | 0.011 | 35.000 | 0.012 |
| 651 | 1.90 | 1.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.09 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 20164.17 | 0.011 | 35.000 | 0.013 |
| 652 | 1.80 | 1.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.24 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 20526.91 | 0.012 | 35.000 | 0.013 |
| 653 | 1.70 | 1.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.38 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 20889.65 | 0.012 | 35.000 | 0.013 |
| 654 | 1.60 | 1.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.53 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 21252.39 | 0.012 | 35.000 | 0.013 |
| 655 | 1.50 | 1.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.68 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 21615.13 | 0.012 | 35.000 | 0.013 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 656 | 1.40 | 1.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.83 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 21977.88 | 0.013 | 35.000 | 0.014 |
| 657 | 1.30 | 1.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.98 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 22340.62 | 0.013 | 35.000 | 0.014 |
| 658 | 1.20 | 1.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.13 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 22703.36 | 0.013 | 35.000 | 0.014 |
| 659 | 1.10 | 1.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.28 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 23066.10 | 0.013 | 35.000 | 0.014 |
| 660 | 1.00 | 0.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.43 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 23428.84 | 0.013 | 35.000 | 0.014 |
| 661 | 0.90 | 0.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.58 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 23791.58 | 0.014 | 35.000 | 0.014 |
| 662 | 0.80 | 0.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.73 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 24154.32 | 0.014 | 35.000 | 0.015 |
| 663 | 0.70 | 0.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.88 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 24517.06 | 0.014 | 35.000 | 0.015 |
| 664 | 0.60 | 0.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.02 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 24879.80 | 0.014 | 35.000 | 0.015 |
| 665 | 0.50 | 0.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.17 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 25242.54 | 0.014 | 35.000 | 0.015 |
| 666 | 0.40 | 0.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.32 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 25605.28 | 0.015 | 35.000 | 0.015 |
| 667 | 0.30 | 0.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.47 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 25968.02 | 0.015 | 35.000 | 0.016 |
| 668 | 0.20 | 0.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.62 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 26330.76 | 0.015 | 35.000 | 0.016 |
| 669 | 0.10 | 0.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.77 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 26693.50 | 0.015 | 35.000 | 0.016 |
| TOT | | | | | | 9.84 | | | | 536257.88 | 342012.00 | | | | | |
| AVG | | | | | 0.0078 | | | 1.57 | 51.82 | | | 81.25 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 605 | 6.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 606 | 6.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 607 | 6.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 608 | 6.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 609 | 6.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 610 | 5.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 611 | 5.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 612 | 5.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 613 | 5.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 614 | 5.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 615 | 5.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 616 | 5.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 617 | 5.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 618 | 5.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 619 | 5.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 620 | 4.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 621 | 4.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 622 | 4.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 623 | 4.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 624 | 4.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 625 | 4.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 626 | 4.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 627 | 4.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 628 | 4.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 629 | 4.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 630 | 3.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 631 | 3.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 632 | 3.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 633 | 3.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 634 | 3.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 635 | 3.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 636 | 3.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 637 | 3.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 638 | 3.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 639 | 3.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 640 | 2.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 641 | 2.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 642 | 2.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 643 | 2.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 644 | 2.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 645 | 2.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 646 | 2.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 647 | 2.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 648 | 2.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 649 | 2.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 650 | 1.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 651 | 1.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 652 | 1.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 653 | 1.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 654 | 1.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 655 | 1.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 656 | 1.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 657 | 1.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 658 | 1.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 659 | 1.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 660 | 0.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 661 | 0.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 662 | 0.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 663 | 0.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 664 | 0.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 665 | 0.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 666 | 0.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 667 | 0.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 668 | 0.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 669 | 0.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.45 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.90 | 0.00 | 23.93 | 0.00 | 1.24 | 0.28 | 0.25 | 1.77 | 1.40 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 605 | 6.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.81 | 0.00 | 23.84 | 0.00 | 1.24 | 0.27 | 0.25 | 1.77 | 1.40 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 606 | 6.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.72 | 0.00 | 23.75 | 0.00 | 1.25 | 0.27 | 0.25 | 1.76 | 1.41 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 607 | 6.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.63 | 0.00 | 23.66 | 0.00 | 1.25 | 0.27 | 0.24 | 1.76 | 1.41 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 608 | 6.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.54 | 0.00 | 23.57 | 0.00 | 1.25 | 0.27 | 0.24 | 1.75 | 1.41 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 609 | 6.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.46 | 0.00 | 23.49 | 0.00 | 1.25 | 0.26 | 0.24 | 1.75 | 1.41 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 610 | 5.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.38 | 0.00 | 23.41 | 0.00 | 1.25 | 0.26 | 0.23 | 1.75 | 1.41 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 611 | 5.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.30 | 0.00 | 23.33 | 0.00 | 1.26 | 0.26 | 0.23 | 1.74 | 1.42 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 612 | 5.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.23 | 0.00 | 23.26 | 0.00 | 1.26 | 0.26 | 0.23 | 1.74 | 1.42 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 613 | 5.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.16 | 0.00 | 23.18 | 0.00 | 1.26 | 0.25 | 0.22 | 1.74 | 1.42 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 614 | 5.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.08 | 0.00 | 23.11 | 0.00 | 1.26 | 0.25 | 0.22 | 1.73 | 1.42 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 615 | 5.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.01 | 0.00 | 23.04 | 0.00 | 1.27 | 0.25 | 0.22 | 1.73 | 1.43 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 616 | 5.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.94 | 0.00 | 22.97 | 0.00 | 1.27 | 0.25 | 0.21 | 1.73 | 1.43 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 617 | 5.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.88 | 0.00 | 22.91 | 0.00 | 1.27 | 0.24 | 0.21 | 1.72 | 1.43 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 618 | 5.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.82 | 0.00 | 22.85 | 0.00 | 1.27 | 0.24 | 0.21 | 1.72 | 1.44 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 619 | 5.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.76 | 0.00 | 22.79 | 0.00 | 1.28 | 0.24 | 0.20 | 1.72 | 1.44 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 620 | 4.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.70 | 0.00 | 22.73 | 0.00 | 1.28 | 0.23 | 0.20 | 1.72 | 1.44 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 621 | 4.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.65 | 0.00 | 22.68 | 0.00 | 1.28 | 0.23 | 0.20 | 1.71 | 1.44 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 622 | 4.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.60 | 0.00 | 22.62 | 0.00 | 1.29 | 0.23 | 0.20 | 1.71 | 1.45 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 623 | 4.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.55 | 0.00 | 22.58 | 0.00 | 1.29 | 0.23 | 0.19 | 1.71 | 1.45 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 624 | 4.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.50 | 0.00 | 22.53 | 0.00 | 1.29 | 0.23 | 0.19 | 1.71 | 1.45 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 625 | 4.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.46 | 0.00 | 22.49 | 0.00 | 1.30 | 0.22 | 0.19 | 1.71 | 1.46 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 626 | 4.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.42 | 0.00 | 22.45 | 0.00 | 1.30 | 0.22 | 0.18 | 1.70 | 1.46 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 627 | 4.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.38 | 0.00 | 22.41 | 0.00 | 1.30 | 0.22 | 0.18 | 1.70 | 1.46 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 628 | 4.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.35 | 0.00 | 22.38 | 0.00 | 1.31 | 0.22 | 0.18 | 1.70 | 1.47 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 629 | 4.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.32 | 0.00 | 22.35 | 0.00 | 1.31 | 0.21 | 0.17 | 1.70 | 1.47 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 630 | 3.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.29 | 0.00 | 22.32 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 1.48 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 631 | 3.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.27 | 0.00 | 22.30 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 1.48 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 632 | 3.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.25 | 0.00 | 22.28 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 1.49 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 633 | 3.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.23 | 0.00 | 22.26 | 0.00 | 1.33 | 0.21 | 0.16 | 1.70 | 1.49 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 634 | 3.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.28 | 20.22 | 0.00 | 22.25 | 0.00 | 1.33 | 0.20 | 0.16 | 1.70 | 1.50 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 635 | 3.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.28 | 20.21 | 0.00 | 22.24 | 0.00 | 1.34 | 0.20 | 0.16 | 1.70 | 1.50 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 636 | 3.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.28 | 20.21 | 0.00 | 22.24 | 0.00 | 1.34 | 0.20 | 0.15 | 1.70 | 1.51 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 637 | 3.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.28 | 20.21 | 0.00 | 22.23 | 0.00 | 1.35 | 0.20 | 0.15 | 1.70 | 1.51 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 638 | 3.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.27 | 20.21 | 0.00 | 22.24 | 0.00 | 1.35 | 0.20 | 0.15 | 1.70 | 1.52 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 639 | 3.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.27 | 20.21 | 0.00 | 22.24 | 0.00 | 1.36 | 0.19 | 0.15 | 1.70 | 1.52 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 640 | 2.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.26 | 20.22 | 0.00 | 22.25 | 0.00 | 1.37 | 0.19 | 0.14 | 1.70 | 1.53 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 641 | 2.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.26 | 20.24 | 0.00 | 22.27 | 0.00 | 1.37 | 0.19 | 0.14 | 1.70 | 1.53 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 642 | 2.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.25 | 20.26 | 0.00 | 22.29 | 0.00 | 1.38 | 0.19 | 0.14 | 1.71 | 1.54 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 643 | 2.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.25 | 20.28 | 0.00 | 22.31 | 0.00 | 1.38 | 0.19 | 0.14 | 1.71 | 1.55 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 644 | 2.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.24 | 20.31 | 0.00 | 22.34 | 0.00 | 1.39 | 0.19 | 0.13 | 1.71 | 1.55 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 645 | 2.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.24 | 20.34 | 0.00 | 22.37 | 0.00 | 1.40 | 0.18 | 0.13 | 1.71 | 1.56 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 646 | 2.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.23 | 20.38 | 0.00 | 22.40 | 0.00 | 1.40 | 0.18 | 0.13 | 1.71 | 1.57 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 647 | 2.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.22 | 20.42 | 0.00 | 22.45 | 0.00 | 1.41 | 0.18 | 0.13 | 1.72 | 1.57 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 648 | 2.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.21 | 20.46 | 0.00 | 22.49 | 0.00 | 1.42 | 0.18 | 0.12 | 1.72 | 1.58 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 649 | 2.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.20 | 20.51 | 0.00 | 22.54 | 0.00 | 1.43 | 0.18 | 0.12 | 1.72 | 1.59 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 650 | 1.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.19 | 20.57 | 0.00 | 22.60 | 0.00 | 1.43 | 0.18 | 0.12 | 1.73 | 1.59 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 651 | 1.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.19 | 20.63 | 0.00 | 22.66 | 0.00 | 1.44 | 0.17 | 0.12 | 1.73 | 1.60 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 652 | 1.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.17 | 20.70 | 0.00 | 22.73 | 0.00 | 1.45 | 0.17 | 0.11 | 1.74 | 1.61 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 653 | 1.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.16 | 20.77 | 0.00 | 22.80 | 0.00 | 1.46 | 0.17 | 0.11 | 1.74 | 1.62 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 654 | 1.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.15 | 20.85 | 0.00 | 22.88 | 0.00 | 1.47 | 0.17 | 0.11 | 1.75 | 1.63 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 655 | 1.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.14 | 20.93 | 0.00 | 22.96 | 0.00 | 1.47 | 0.17 | 0.11 | 1.75 | 1.64 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 656 | 1.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.13 | 21.02 | 0.00 | 23.05 | 0.00 | 1.48 | 0.17 | 0.11 | 1.76 | 1.64 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 657 | 1.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.11 | 21.11 | 0.00 | 23.14 | 0.00 | 1.49 | 0.17 | 0.10 | 1.76 | 1.65 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 658 | 1.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.10 | 21.22 | 0.00 | 23.24 | 0.00 | 1.50 | 0.16 | 0.10 | 1.77 | 1.66 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 659 | 1.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.08 | 21.32 | 0.00 | 23.35 | 0.00 | 1.51 | 0.16 | 0.10 | 1.78 | 1.67 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 660 | 0.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.07 | 21.44 | 0.00 | 23.47 | 0.00 | 1.52 | 0.16 | 0.10 | 1.78 | 1.68 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 661 | 0.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.05 | 21.56 | 0.00 | 23.59 | 0.00 | 1.53 | 0.16 | 0.10 | 1.79 | 1.69 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 662 | 0.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.03 | 21.69 | 0.00 | 23.71 | 0.00 | 1.54 | 0.16 | 0.10 | 1.80 | 1.70 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 663 | 0.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.01 | 21.82 | 0.00 | 23.85 | 0.00 | 1.55 | 0.16 | 0.09 | 1.81 | 1.72 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 664 | 0.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.99 | 21.96 | 0.00 | 23.99 | 0.00 | 1.56 | 0.16 | 0.09 | 1.81 | 1.73 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 665 | 0.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.97 | 22.11 | 0.00 | 24.14 | 0.00 | 1.58 | 0.16 | 0.09 | 1.82 | 1.74 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 666 | 0.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.95 | 22.27 | 0.00 | 24.30 | 0.00 | 1.59 | 0.15 | 0.09 | 1.83 | 1.75 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 667 | 0.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.93 | 22.43 | 0.00 | 24.46 | 0.00 | 1.60 | 0.15 | 0.09 | 1.84 | 1.76 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 668 | 0.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.90 | 22.60 | 0.00 | 24.63 | 0.00 | 1.61 | 0.15 | 0.09 | 1.85 | 1.77 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 669 | 0.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.88 | 22.78 | 0.00 | 24.81 | 0.00 | 1.63 | 0.15 | 0.09 | 1.86 | 1.79 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 605 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 606 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 607 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 608 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 609 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 610 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 611 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 612 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 613 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 614 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 615 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 616 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 617 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 618 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 619 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 620 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 621 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 622 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 623 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 624 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 625 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 626 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 627 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 628 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 629 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 630 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 631 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 632 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 633 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 634 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 635 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 636 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 637 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 638 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 639 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 640 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 641 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 642 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 643 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 644 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 645 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 646 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 647 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 648 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 649 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 650 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 651 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 652 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 653 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 654 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 655 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 656 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 657 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 658 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 659 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 660 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 661 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 662 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 663 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 664 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 665 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 666 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 667 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 668 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 669 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Trib. LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 2 Pontchatoula Trib. Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | HDWTR | 0.02830 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 21.36 | 0.00 | 22.00 | 0.00 | 3.96 | 0.15 | 0.02 | 0.00 | 6.00 | 0.00 | 0.00 |
| 193 | WSTLD | 0.00386 | 20.00 | 0.00 | 0.00 | 0.00 | 5.00 | 22.00 | 0.00 | 22.00 | 0.00 | 4.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | WSTLD | 0.00386 | 20.00 | 0.00 | 0.00 | 0.00 | 5.00 | 23.00 | 0.00 | 23.00 | 0.00 | 1.70 | 3.33 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 8.00 | 7.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.01 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 124 | 7.90 | 7.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.01 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 125 | 7.80 | 7.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.02 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 126 | 7.70 | 7.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.03 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 127 | 7.60 | 7.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.04 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 128 | 7.50 | 7.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.04 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 129 | 7.40 | 7.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.05 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 130 | 7.30 | 7.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.06 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 131 | 7.20 | 7.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.07 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 132 | 7.10 | 7.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.07 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 133 | 7.00 | 6.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.08 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 134 | 6.90 | 6.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.09 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 135 | 6.80 | 6.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.10 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 136 | 6.70 | 6.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.10 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 137 | 6.60 | 6.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.11 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 138 | 6.50 | 6.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.12 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 139 | 6.40 | 6.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.12 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 140 | 6.30 | 6.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.13 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 141 | 6.20 | 6.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.14 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 142 | 6.10 | 6.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.15 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 143 | 6.00 | 5.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.15 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 144 | 5.90 | 5.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.16 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 145 | 5.80 | 5.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.17 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 146 | 5.70 | 5.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.18 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 147 | 5.60 | 5.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.18 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 148 | 5.50 | 5.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.19 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 149 | 5.40 | 5.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.20 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 150 | 5.30 | 5.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.20 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 151 | 5.20 | 5.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.21 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 152 | 5.10 | 5.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.22 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 153 | 5.00 | 4.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.23 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 154 | 4.90 | 4.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.23 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 155 | 4.80 | 4.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.24 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 156 | 4.70 | 4.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.25 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 157 | 4.60 | 4.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.26 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 158 | 4.50 | 4.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.26 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 159 | 4.40 | 4.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.27 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 160 | 4.30 | 4.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.28 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 161 | 4.20 | 4.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.29 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 162 | 4.10 | 4.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.29 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 163 | 4.00 | 3.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.30 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 164 | 3.90 | 3.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.31 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 165 | 3.80 | 3.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.31 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 166 | 3.70 | 3.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.32 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 167 | 3.60 | 3.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.33 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 168 | 3.50 | 3.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.34 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 169 | 3.40 | 3.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.34 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 170 | 3.30 | 3.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.35 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 171 | 3.20 | 3.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.36 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 172 | 3.10 | 3.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.37 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 173 | 3.00 | 2.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.37 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 174 | 2.90 | 2.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.38 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 175 | 2.80 | 2.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.39 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 176 | 2.70 | 2.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.40 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 177 | 2.60 | 2.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.40 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 178 | 2.50 | 2.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.41 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 179 | 2.40 | 2.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.42 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 180 | 2.30 | 2.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.42 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 181 | 2.20 | 2.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.43 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 182 | 2.10 | 2.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.44 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 183 | 2.00 | 1.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.45 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 184 | 1.90 | 1.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.45 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 185 | 1.80 | 1.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.46 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 186 | 1.70 | 1.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.47 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 187 | 1.60 | 1.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.48 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 188 | 1.50 | 1.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.48 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 189 | 1.40 | 1.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.49 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 190 | 1.30 | 1.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.50 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 191 | 1.20 | 1.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.50 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 192 | 1.10 | 1.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.51 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 193 | 1.00 | 0.90 | 0.03216 | 12.0 | 0.17682 | 0.01 | 0.52 | 0.20 | 0.91 | 18.19 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.177 |
| 194 | 0.90 | 0.80 | 0.03216 | 12.0 | 0.17682 | 0.01 | 0.53 | 0.20 | 0.91 | 18.19 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.177 |
| 195 | 0.80 | 0.70 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.53 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 196 | 0.70 | 0.60 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.54 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 197 | 0.60 | 0.50 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.54 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 198 | 0.50 | 0.40 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.55 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 199 | 0.40 | 0.30 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.56 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 200 | 0.30 | 0.20 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.56 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 201 | 0.20 | 0.10 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.57 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 202 | 0.10 | 0.00 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.57 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| TOT | | | | | | 0.57 | | | | 1436.55 | 7280.00 | | | | | |
| AVG | | | | | 0.1617 | | | 0.20 | 0.91 | | | 0.18 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 7.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 7.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 7.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 7.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 7.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 7.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 7.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 7.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 7.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 6.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 6.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 6.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 6.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 6.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 6.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 6.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 6.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | 6.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 6.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 5.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 5.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 5.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 5.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 5.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 5.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 5.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 5.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 5.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 5.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 4.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 4.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 4.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 4.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 4.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 4.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 4.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 4.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 4.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 4.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 3.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 3.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 3.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 3.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 3.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 3.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 3.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 3.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 3.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 3.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 2.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 2.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 2.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 2.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 2.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 2.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 2.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 2.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 2.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 2.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 1.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 1.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 1.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 1.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 1.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 1.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 1.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 1.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 1.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 1.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 0.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 0.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 0.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 0.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 0.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 0.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 0.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 0.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 0.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 0.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 10.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.00 | 21.35 | 0.00 | 21.98 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |
| 124 | 7.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.14 | 21.33 | 0.00 | 21.96 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 125 | 7.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.27 | 21.32 | 0.00 | 21.94 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.8 | 0.0 | 0. | 0.00 |
| 126 | 7.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.39 | 21.31 | 0.00 | 21.93 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.8 | 0.0 | 0. | 0.00 |
| 127 | 7.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.50 | 21.30 | 0.00 | 21.91 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. | 0.00 |
| 128 | 7.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.61 | 21.28 | 0.00 | 21.89 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. | 0.00 |
| 129 | 7.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 21.27 | 0.00 | 21.87 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.6 | 0.0 | 0. | 0.00 |
| 130 | 7.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 21.26 | 0.00 | 21.85 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.6 | 0.0 | 0. | 0.00 |
| 131 | 7.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.88 | 21.25 | 0.00 | 21.83 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.5 | 0.0 | 0. | 0.00 |
| 132 | 7.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.96 | 21.23 | 0.00 | 21.81 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.4 | 0.0 | 0. | 0.00 |
| 133 | 6.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.04 | 21.22 | 0.00 | 21.79 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.4 | 0.0 | 0. | 0.00 |
| 134 | 6.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.10 | 21.21 | 0.00 | 21.78 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. | 0.00 |
| 135 | 6.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.17 | 21.20 | 0.00 | 21.76 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. | 0.00 |
| 136 | 6.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.23 | 21.18 | 0.00 | 21.74 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. | 0.00 |
| 137 | 6.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.28 | 21.17 | 0.00 | 21.72 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. | 0.00 |
| 138 | 6.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.34 | 21.16 | 0.00 | 21.70 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.1 | 0.0 | 0. | 0.00 |
| 139 | 6.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.38 | 21.14 | 0.00 | 21.68 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. | 0.00 |
| 140 | 6.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.43 | 21.13 | 0.00 | 21.66 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. | 0.00 |
| 141 | 6.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.47 | 21.12 | 0.00 | 21.65 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 142 | 6.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 21.11 | 0.00 | 21.63 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 143 | 5.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 21.09 | 0.00 | 21.61 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 144 | 5.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 21.08 | 0.00 | 21.59 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 145 | 5.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 21.07 | 0.00 | 21.57 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 146 | 5.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 21.06 | 0.00 | 21.55 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 147 | 5.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 21.04 | 0.00 | 21.54 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 148 | 5.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 21.03 | 0.00 | 21.52 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 149 | 5.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 21.02 | 0.00 | 21.50 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 150 | 5.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.74 | 21.01 | 0.00 | 21.48 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 151 | 5.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.76 | 20.99 | 0.00 | 21.46 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 152 | 5.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.78 | 20.98 | 0.00 | 21.44 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 153 | 4.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.80 | 20.97 | 0.00 | 21.42 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 154 | 4.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.81 | 20.96 | 0.00 | 21.41 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 155 | 4.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.83 | 20.94 | 0.00 | 21.39 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 156 | 4.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.84 | 20.93 | 0.00 | 21.37 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 157 | 4.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.86 | 20.92 | 0.00 | 21.35 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 158 | 4.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.87 | 20.91 | 0.00 | 21.33 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 159 | 4.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.88 | 20.90 | 0.00 | 21.31 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 160 | 4.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.89 | 20.88 | 0.00 | 21.30 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 161 | 4.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 20.87 | 0.00 | 21.28 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 162 | 4.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.91 | 20.86 | 0.00 | 21.26 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 163 | 3.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.92 | 20.85 | 0.00 | 21.24 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 164 | 3.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.93 | 20.83 | 0.00 | 21.22 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 165 | 3.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.93 | 20.82 | 0.00 | 21.20 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 166 | 3.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.94 | 20.81 | 0.00 | 21.18 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 167 | 3.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.95 | 20.80 | 0.00 | 21.17 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 168 | 3.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.95 | 20.78 | 0.00 | 21.15 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 169 | 3.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 20.77 | 0.00 | 21.13 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 170 | 3.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 20.76 | 0.00 | 21.11 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 171 | 3.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 20.75 | 0.00 | 21.09 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 172 | 3.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 20.73 | 0.00 | 21.07 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 173 | 2.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 20.72 | 0.00 | 21.06 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 174 | 2.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 20.71 | 0.00 | 21.04 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 175 | 2.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 20.70 | 0.00 | 21.02 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 176 | 2.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.99 | 20.69 | 0.00 | 21.00 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 177 | 2.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.99 | 20.67 | 0.00 | 20.98 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 178 | 2.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.99 | 20.66 | 0.00 | 20.97 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 179 | 2.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 20.65 | 0.00 | 20.95 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |
| 180 | 2.200 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 20.64 | 0.00 | 20.93 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 181 | 2.100 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 20.62 | 0.00 | 20.91 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.91 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 182 | 2.000 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 20.61 | 0.00 | 20.89 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 183 | 1.900 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.60 | 0.00 | 20.87 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 184 | 1.800 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.59 | 0.00 | 20.86 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 185 | 1.700 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.57 | 0.00 | 20.84 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 186 | 1.600 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.56 | 0.00 | 20.82 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 187 | 1.500 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.55 | 0.00 | 20.80 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 188 | 1.400 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.54 | 0.00 | 20.78 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 189 | 1.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.53 | 0.00 | 20.76 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. | 0.00 |
| 190 | 1.200 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.51 | 0.00 | 20.75 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. | 0.00 |
| 191 | 1.100 | 20.00 | 0.00 | 1.00 | 0.00 | 9.02 | 20.50 | 0.00 | 20.73 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.1 | 0.0 | 0. | 0.00 |
| 192 | 1.000 | 20.00 | 0.00 | 1.00 | 0.00 | 9.02 | 20.49 | 0.00 | 20.71 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.1 | 0.0 | 0. | 0.00 |
| 193 | 0.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 20.66 | 0.00 | 20.87 | 0.00 | 3.90 | 0.16 | 0.02 | 4.08 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.0 | 0.0 | 0. | 0.00 |
| 194 | 0.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 20.65 | 0.00 | 20.86 | 0.00 | 3.90 | 0.16 | 0.02 | 4.08 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.0 | 0.0 | 0. | 0.00 |
| 195 | 0.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.25 | 20.89 | 0.00 | 21.09 | 0.00 | 3.67 | 0.50 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.9 | 0.0 | 0. | 0.00 |
| 196 | 0.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.29 | 20.88 | 0.00 | 21.08 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.8 | 0.0 | 0. | 0.00 |
| 197 | 0.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.33 | 20.87 | 0.00 | 21.06 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.8 | 0.0 | 0. | 0.00 |
| 198 | 0.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.37 | 20.86 | 0.00 | 21.04 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.7 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 199 | 0.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.41 | 20.85 | 0.00 | 21.03 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.7 | 0.0 | 0. | 0.00 |
| 200 | 0.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.44 | 20.84 | 0.00 | 21.01 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.6 | 0.0 | 0. | 0.00 |
| 201 | 0.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.47 | 20.83 | 0.00 | 21.00 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.6 | 0.0 | 0. | 0.00 |
| 202 | 0.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 20.82 | 0.00 | 20.98 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 124 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 125 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 126 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 127 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 128 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 129 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 130 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 131 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 132 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 133 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 134 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 135 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 136 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 137 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 138 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 139 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 140 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 141 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 142 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 143 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 144 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 145 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 146 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 147 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 148 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 149 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 150 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 151 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 152 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 153 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 154 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 155 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 156 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 157 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 158 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 159 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 160 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 161 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 162 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 163 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 164 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 165 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 166 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 167 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 168 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 169 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 170 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 171 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 172 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 173 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 174 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 175 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 176 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 177 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 178 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 179 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 180 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 181 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 182 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 183 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 184 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 185 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 186 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 187 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 188 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 189 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 190 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 191 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 192 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 193 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 194 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 195 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 196 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 197 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 198 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 199 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 200 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 201 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 202 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT East Pont. LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 5 East Pontchatoula Baseline Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | HDWTR | 0.02830 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 12.47 | 0.00 | 13.00 | 0.00 | 1.15 | 0.11 | 0.09 | 0.00 | 5.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00009 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 13.00 | 0.00 | | | 1.15 | 0.11 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 302 | WSTLD | 0.00079 | 20.00 | 0.00 | 0.00 | 0.00 | 2.30 | 66.90 | 0.00 | 66.90 | 0.00 | 4.90 | 9.70 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | WSTLD | 0.00046 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | WSTLD | 0.00007 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 103.50 | 0.00 | 103.50 | 0.00 | 7.50 | 15.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | WSTLD | 0.00024 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 72.00 | 0.00 | 72.00 | 0.00 | 5.20 | 10.44 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | WSTLD | 0.00301 | 20.00 | 0.00 | 0.00 | 0.00 | 3.20 | 50.70 | 0.00 | 50.70 | 0.00 | 3.70 | 7.34 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.90 | 10.80 | 0.02839 | 0.0 | 0.01927 | 0.06 | 0.06 | 0.38 | 3.87 | 147.34 | 387.00 | 1.47 | 0.00 | 0.000 | 0.000 | 0.019 |
| 281 | 10.80 | 10.70 | 0.02848 | 0.0 | 0.01932 | 0.06 | 0.12 | 0.38 | 3.87 | 147.41 | 387.00 | 1.47 | 0.00 | 0.000 | 0.000 | 0.019 |
| 282 | 10.70 | 10.60 | 0.02858 | 0.0 | 0.01938 | 0.06 | 0.18 | 0.38 | 3.87 | 147.47 | 387.00 | 1.47 | 0.00 | 0.000 | 0.000 | 0.019 |
| 283 | 10.60 | 10.50 | 0.02867 | 0.0 | 0.01943 | 0.06 | 0.24 | 0.38 | 3.87 | 147.53 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.019 |
| 284 | 10.50 | 10.40 | 0.02876 | 0.0 | 0.01949 | 0.06 | 0.30 | 0.38 | 3.87 | 147.59 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.019 |
| 285 | 10.40 | 10.30 | 0.02885 | 0.0 | 0.01954 | 0.06 | 0.36 | 0.38 | 3.87 | 147.65 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 286 | 10.30 | 10.20 | 0.02894 | 0.0 | 0.01959 | 0.06 | 0.42 | 0.38 | 3.87 | 147.71 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 287 | 10.20 | 10.10 | 0.02903 | 0.0 | 0.01965 | 0.06 | 0.48 | 0.38 | 3.87 | 147.77 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 288 | 10.10 | 10.00 | 0.02913 | 0.0 | 0.01970 | 0.06 | 0.53 | 0.38 | 3.87 | 147.83 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 289 | 10.00 | 9.90 | 0.02922 | 0.0 | 0.01976 | 0.06 | 0.59 | 0.38 | 3.87 | 147.89 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 290 | 9.90 | 9.80 | 0.02931 | 0.0 | 0.01981 | 0.06 | 0.65 | 0.38 | 3.87 | 147.94 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 291 | 9.80 | 9.70 | 0.02940 | 0.0 | 0.01987 | 0.06 | 0.71 | 0.38 | 3.87 | 148.00 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 292 | 9.70 | 9.60 | 0.02949 | 0.0 | 0.01992 | 0.06 | 0.77 | 0.38 | 3.87 | 148.06 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 293 | 9.60 | 9.50 | 0.02958 | 0.0 | 0.01997 | 0.06 | 0.83 | 0.38 | 3.87 | 148.12 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 294 | 9.50 | 9.40 | 0.02968 | 0.0 | 0.02003 | 0.06 | 0.88 | 0.38 | 3.87 | 148.18 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 295 | 9.40 | 9.30 | 0.02977 | 0.0 | 0.02008 | 0.06 | 0.94 | 0.38 | 3.87 | 148.24 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 296 | 9.30 | 9.20 | 0.02986 | 0.0 | 0.02014 | 0.06 | 1.00 | 0.38 | 3.87 | 148.30 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 297 | 9.20 | 9.10 | 0.02995 | 0.0 | 0.02019 | 0.06 | 1.06 | 0.38 | 3.87 | 148.35 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 298 | 9.10 | 9.00 | 0.03004 | 0.0 | 0.02024 | 0.06 | 1.11 | 0.38 | 3.87 | 148.41 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 299 | 9.00 | 8.90 | 0.03013 | 0.0 | 0.02030 | 0.06 | 1.17 | 0.38 | 3.87 | 148.47 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 300 | 8.90 | 8.80 | 0.03023 | 0.0 | 0.02035 | 0.06 | 1.23 | 0.38 | 3.87 | 148.53 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.020 |
| 301 | 8.80 | 8.70 | 0.03032 | 0.0 | 0.02040 | 0.06 | 1.28 | 0.38 | 3.87 | 148.59 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.020 |
| 302 | 8.70 | 8.60 | 0.03120 | 2.5 | 0.02092 | 0.06 | 1.34 | 0.39 | 3.87 | 149.13 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 303 | 8.60 | 8.50 | 0.03129 | 2.5 | 0.02098 | 0.06 | 1.39 | 0.39 | 3.87 | 149.19 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 304 | 8.50 | 8.40 | 0.03138 | 2.5 | 0.02103 | 0.06 | 1.45 | 0.39 | 3.87 | 149.24 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 305 | 8.40 | 8.30 | 0.03148 | 2.5 | 0.02108 | 0.05 | 1.50 | 0.39 | 3.87 | 149.30 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 306 | 8.30 | 8.20 | 0.03157 | 2.5 | 0.02114 | 0.05 | 1.56 | 0.39 | 3.87 | 149.35 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 307 | 8.20 | 8.10 | 0.03166 | 2.5 | 0.02119 | 0.05 | 1.61 | 0.39 | 3.87 | 149.41 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 308 | 8.10 | 8.00 | 0.03175 | 2.5 | 0.02124 | 0.05 | 1.67 | 0.39 | 3.87 | 149.46 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 309 | 8.00 | 7.90 | 0.03184 | 2.5 | 0.02130 | 0.05 | 1.72 | 0.39 | 3.87 | 149.52 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.021 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 310 | 7.90 | 7.80 | 0.03193 | 2.5 | 0.02135 | 0.05 | 1.78 | 0.39 | 3.87 | 149.57 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.021 |
| 311 | 7.80 | 7.70 | 0.03203 | 2.5 | 0.02140 | 0.05 | 1.83 | 0.39 | 3.87 | 149.63 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.021 |
| 312 | 7.70 | 7.60 | 0.03212 | 2.5 | 0.02146 | 0.05 | 1.88 | 0.39 | 3.87 | 149.68 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.021 |
| 313 | 7.60 | 7.50 | 0.03221 | 2.5 | 0.02151 | 0.05 | 1.94 | 0.39 | 3.87 | 149.74 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 314 | 7.50 | 7.40 | 0.03230 | 2.4 | 0.02156 | 0.05 | 1.99 | 0.39 | 3.87 | 149.79 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 315 | 7.40 | 7.30 | 0.03239 | 2.4 | 0.02162 | 0.05 | 2.05 | 0.39 | 3.87 | 149.85 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 316 | 7.30 | 7.20 | 0.03248 | 2.4 | 0.02167 | 0.05 | 2.10 | 0.39 | 3.87 | 149.90 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 317 | 7.20 | 7.10 | 0.03258 | 2.4 | 0.02172 | 0.05 | 2.15 | 0.39 | 3.87 | 149.95 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 318 | 7.10 | 7.00 | 0.03267 | 2.4 | 0.02178 | 0.05 | 2.21 | 0.39 | 3.87 | 150.01 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 319 | 7.00 | 6.90 | 0.03322 | 3.8 | 0.02210 | 0.05 | 2.26 | 0.39 | 3.87 | 150.33 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 320 | 6.90 | 6.80 | 0.03331 | 3.8 | 0.02215 | 0.05 | 2.31 | 0.39 | 3.87 | 150.38 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 321 | 6.80 | 6.70 | 0.03340 | 3.7 | 0.02220 | 0.05 | 2.36 | 0.39 | 3.87 | 150.44 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 322 | 6.70 | 6.60 | 0.03349 | 3.7 | 0.02226 | 0.05 | 2.41 | 0.39 | 3.87 | 150.49 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 323 | 6.60 | 6.50 | 0.03359 | 3.7 | 0.02231 | 0.05 | 2.47 | 0.39 | 3.87 | 150.54 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.022 |
| 324 | 6.50 | 6.40 | 0.03368 | 3.7 | 0.02236 | 0.05 | 2.52 | 0.39 | 3.87 | 150.59 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.022 |
| 325 | 6.40 | 6.30 | 0.03377 | 3.7 | 0.02242 | 0.05 | 2.57 | 0.39 | 3.87 | 150.65 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.022 |
| 326 | 6.30 | 6.20 | 0.03386 | 3.7 | 0.02247 | 0.05 | 2.62 | 0.39 | 3.87 | 150.70 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.022 |
| 327 | 6.20 | 6.10 | 0.03395 | 3.7 | 0.02252 | 0.05 | 2.67 | 0.39 | 3.87 | 150.75 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 328 | 6.10 | 6.00 | 0.03405 | 3.7 | 0.02258 | 0.05 | 2.72 | 0.39 | 3.87 | 150.80 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 329 | 6.00 | 5.90 | 0.03414 | 3.7 | 0.02263 | 0.05 | 2.78 | 0.39 | 3.87 | 150.85 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 330 | 5.90 | 5.80 | 0.03423 | 3.7 | 0.02268 | 0.05 | 2.83 | 0.39 | 3.87 | 150.91 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 331 | 5.80 | 5.70 | 0.03432 | 3.6 | 0.02274 | 0.05 | 2.88 | 0.39 | 3.87 | 150.96 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 332 | 5.70 | 5.60 | 0.03441 | 3.6 | 0.02279 | 0.05 | 2.93 | 0.39 | 3.87 | 151.01 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 333 | 5.60 | 5.50 | 0.03457 | 3.8 | 0.02288 | 0.05 | 2.98 | 0.39 | 3.87 | 151.10 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 334 | 5.50 | 5.40 | 0.03467 | 3.8 | 0.02293 | 0.05 | 3.03 | 0.39 | 3.87 | 151.15 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 335 | 5.40 | 5.30 | 0.03476 | 3.8 | 0.02299 | 0.05 | 3.08 | 0.39 | 3.87 | 151.20 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 336 | 5.30 | 5.20 | 0.03485 | 3.8 | 0.02304 | 0.05 | 3.13 | 0.39 | 3.87 | 151.25 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 337 | 5.20 | 5.10 | 0.03494 | 3.8 | 0.02309 | 0.05 | 3.18 | 0.39 | 3.87 | 151.30 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 338 | 5.10 | 5.00 | 0.03503 | 3.8 | 0.02315 | 0.05 | 3.23 | 0.39 | 3.87 | 151.35 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 339 | 5.00 | 4.90 | 0.03512 | 3.8 | 0.02320 | 0.05 | 3.28 | 0.39 | 3.87 | 151.40 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 340 | 4.90 | 4.80 | 0.03546 | 4.4 | 0.02339 | 0.05 | 3.33 | 0.39 | 3.87 | 151.59 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.023 |
| 341 | 4.80 | 4.70 | 0.03555 | 4.4 | 0.02344 | 0.05 | 3.38 | 0.39 | 3.87 | 151.64 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.023 |
| 342 | 4.70 | 4.60 | 0.03564 | 4.4 | 0.02350 | 0.05 | 3.43 | 0.39 | 3.87 | 151.69 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.023 |
| 343 | 4.60 | 4.50 | 0.03573 | 4.4 | 0.02355 | 0.05 | 3.48 | 0.39 | 3.87 | 151.74 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 344 | 4.50 | 4.40 | 0.03582 | 4.4 | 0.02360 | 0.05 | 3.53 | 0.39 | 3.87 | 151.79 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 345 | 4.40 | 4.30 | 0.03592 | 4.3 | 0.02365 | 0.05 | 3.57 | 0.39 | 3.87 | 151.83 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 346 | 4.30 | 4.20 | 0.03601 | 4.3 | 0.02371 | 0.05 | 3.62 | 0.39 | 3.87 | 151.88 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 347 | 4.20 | 4.10 | 0.03610 | 4.3 | 0.02376 | 0.05 | 3.67 | 0.39 | 3.87 | 151.93 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 348 | 4.10 | 4.00 | 0.03619 | 4.3 | 0.02381 | 0.05 | 3.72 | 0.39 | 3.87 | 151.98 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 349 | 4.00 | 3.90 | 0.03628 | 4.3 | 0.02386 | 0.05 | 3.77 | 0.39 | 3.87 | 152.03 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 350 | 3.90 | 3.80 | 0.03637 | 4.3 | 0.02392 | 0.05 | 3.82 | 0.39 | 3.87 | 152.08 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 351 | 3.80 | 3.70 | 0.03647 | 4.3 | 0.02397 | 0.05 | 3.87 | 0.39 | 3.87 | 152.13 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 352 | 3.70 | 3.60 | 0.03656 | 4.3 | 0.02402 | 0.05 | 3.91 | 0.39 | 3.87 | 152.18 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 353 | 3.60 | 3.50 | 0.03665 | 4.3 | 0.02408 | 0.05 | 3.96 | 0.39 | 3.87 | 152.23 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 354 | 3.50 | 3.40 | 0.03674 | 4.2 | 0.02413 | 0.05 | 4.01 | 0.39 | 3.87 | 152.28 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 355 | 3.40 | 3.30 | 0.03683 | 4.2 | 0.02418 | 0.05 | 4.06 | 0.39 | 3.87 | 152.32 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 356 | 3.30 | 3.20 | 0.03692 | 4.2 | 0.02423 | 0.05 | 4.11 | 0.39 | 3.87 | 152.37 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 357 | 3.20 | 3.10 | 0.03702 | 4.2 | 0.02429 | 0.05 | 4.15 | 0.39 | 3.87 | 152.42 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 358 | 3.10 | 3.00 | 0.04012 | 11.4 | 0.02605 | 0.04 | 4.20 | 0.40 | 3.87 | 154.00 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 359 | 3.00 | 2.90 | 0.04021 | 11.4 | 0.02610 | 0.04 | 4.24 | 0.40 | 3.87 | 154.04 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 360 | 2.90 | 2.80 | 0.04030 | 11.3 | 0.02616 | 0.04 | 4.29 | 0.40 | 3.87 | 154.09 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 361 | 2.80 | 2.70 | 0.04039 | 11.3 | 0.02621 | 0.04 | 4.33 | 0.40 | 3.87 | 154.13 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 362 | 2.70 | 2.60 | 0.04048 | 11.3 | 0.02626 | 0.04 | 4.37 | 0.40 | 3.87 | 154.17 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 363 | 2.60 | 2.50 | 0.04058 | 11.3 | 0.02631 | 0.04 | 4.42 | 0.40 | 3.87 | 154.22 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 364 | 2.50 | 2.40 | 0.04067 | 11.2 | 0.02636 | 0.04 | 4.46 | 0.40 | 3.87 | 154.26 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 365 | 2.40 | 2.30 | 0.04076 | 11.2 | 0.02641 | 0.04 | 4.51 | 0.40 | 3.87 | 154.31 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 366 | 2.30 | 2.20 | 0.04085 | 11.2 | 0.02647 | 0.04 | 4.55 | 0.40 | 3.87 | 154.35 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 367 | 2.20 | 2.10 | 0.04094 | 11.2 | 0.02652 | 0.04 | 4.59 | 0.40 | 3.87 | 154.40 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.027 |
| 368 | 2.10 | 2.00 | 0.04104 | 11.1 | 0.02657 | 0.04 | 4.64 | 0.40 | 3.87 | 154.44 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.027 |
| 369 | 2.00 | 1.90 | 0.04113 | 11.1 | 0.02662 | 0.04 | 4.68 | 0.40 | 3.87 | 154.48 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.027 |
| 370 | 1.90 | 1.80 | 0.04122 | 11.1 | 0.02667 | 0.04 | 4.72 | 0.40 | 3.87 | 154.53 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 371 | 1.80 | 1.70 | 0.04131 | 11.1 | 0.02673 | 0.04 | 4.77 | 0.40 | 3.87 | 154.57 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 372 | 1.70 | 1.60 | 0.04140 | 11.0 | 0.02678 | 0.04 | 4.81 | 0.40 | 3.87 | 154.62 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 373 | 1.60 | 1.50 | 0.04149 | 11.0 | 0.02683 | 0.04 | 4.85 | 0.40 | 3.87 | 154.66 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 374 | 1.50 | 1.40 | 0.04159 | 11.0 | 0.02688 | 0.04 | 4.90 | 0.40 | 3.87 | 154.70 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 375 | 1.40 | 1.30 | 0.04168 | 11.0 | 0.02693 | 0.04 | 4.94 | 0.40 | 3.87 | 154.75 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 376 | 1.30 | 1.20 | 0.04177 | 10.9 | 0.02698 | 0.04 | 4.98 | 0.40 | 3.87 | 154.79 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 377 | 1.20 | 1.10 | 0.04186 | 10.9 | 0.02704 | 0.04 | 5.03 | 0.40 | 3.87 | 154.83 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 378 | 1.10 | 1.00 | 0.04195 | 10.9 | 0.02709 | 0.04 | 5.07 | 0.40 | 3.87 | 154.88 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 379 | 1.00 | 0.90 | 0.04204 | 10.9 | 0.02714 | 0.04 | 5.11 | 0.40 | 3.87 | 154.92 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 380 | 0.90 | 0.80 | 0.04214 | 10.8 | 0.02719 | 0.04 | 5.15 | 0.40 | 3.87 | 154.96 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 381 | 0.80 | 0.70 | 0.04223 | 10.8 | 0.02724 | 0.04 | 5.20 | 0.40 | 3.87 | 155.01 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 382 | 0.70 | 0.60 | 0.04232 | 10.8 | 0.02729 | 0.04 | 5.24 | 0.40 | 3.87 | 155.05 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 383 | 0.60 | 0.50 | 0.04241 | 10.8 | 0.02735 | 0.04 | 5.28 | 0.40 | 3.87 | 155.09 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 384 | 0.50 | 0.40 | 0.04250 | 10.8 | 0.02740 | 0.04 | 5.32 | 0.40 | 3.87 | 155.14 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 385 | 0.40 | 0.30 | 0.04259 | 10.7 | 0.02745 | 0.04 | 5.37 | 0.40 | 3.87 | 155.18 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 386 | 0.30 | 0.20 | 0.04269 | 10.7 | 0.02750 | 0.04 | 5.41 | 0.40 | 3.87 | 155.22 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.028 |
| 387 | 0.20 | 0.10 | 0.04278 | 10.7 | 0.02755 | 0.04 | 5.45 | 0.40 | 3.87 | 155.26 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.028 |
| 388 | 0.10 | 0.00 | 0.04287 | 10.7 | 0.02760 | 0.04 | 5.49 | 0.40 | 3.87 | 155.31 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.028 |
| TOT | | | | | | 5.49 | | | | 16496.70 | 42183.00 | | | | | |
| AVG | | | | | 0.0230 | | | 0.39 | 3.87 | | | 1.51 | | | | |

************************************************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS **************************************************************************

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 10.700 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 10.600 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 10.500 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 10.400 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 10.300 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 10.200 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 10.100 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 10.000 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 9.900 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 9.800 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 9.700 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 9.600 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 9.500 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 9.400 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 9.300 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 9.200 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 9.100 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 9.000 | 9.09 | 2.49 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 8.900 | 9.09 | 2.49 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 8.800 | 9.09 | 2.49 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 8.700 | 9.09 | 2.49 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 8.600 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 8.500 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 8.400 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 8.300 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 8.200 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 8.100 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 8.000 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 7.900 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 7.800 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 7.700 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 7.600 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 7.500 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 7.400 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 7.300 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 7.200 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 7.100 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 7.000 | 9.09 | 2.52 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 6.900 | 9.09 | 2.52 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 6.800 | 9.09 | 2.52 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 6.700 | 9.09 | 2.52 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 6.600 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 6.500 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 6.400 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 6.300 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 6.200 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 6.100 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 6.000 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 5.900 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 5.800 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 5.700 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 5.600 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 5.500 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 5.400 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 5.300 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 5.200 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 5.100 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 5.000 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 339 | 4.900 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 4.800 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 4.700 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 4.600 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 4.500 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 4.400 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 4.300 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 346 | 4.200 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 347 | 4.100 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 4.000 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 3.900 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 3.800 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 3.700 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 3.600 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 3.500 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 3.400 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 3.300 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 3.200 | 9.09 | 2.57 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 357 | 3.100 | 9.09 | 2.57 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 3.000 | 9.09 | 2.60 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 2.900 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 2.800 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 2.700 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 2.600 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 2.500 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 2.400 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 2.300 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 2.200 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 2.100 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 368 | 2.000 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 1.900 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 1.800 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 1.700 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 1.600 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 1.500 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 1.400 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 375 | 1.300 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 1.200 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 1.100 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 1.000 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 0.900 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 0.800 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 0.700 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 0.600 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 0.500 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 0.400 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 385 | 0.300 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 0.200 | 9.09 | 2.64 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 0.100 | 9.09 | 2.64 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 0.000 | 9.09 | 2.64 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.55 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.82 | 12.42 | 0.00 | 12.96 | 0.00 | 1.11 | 0.11 | 0.09 | 1.31 | 1.15 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. | 0.00 |
| 281 | 10.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.79 | 12.38 | 0.00 | 12.91 | 0.00 | 1.11 | 0.11 | 0.09 | 1.31 | 1.15 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 282 | 10.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.77 | 12.34 | 0.00 | 12.87 | 0.00 | 1.11 | 0.11 | 0.09 | 1.30 | 1.15 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 283 | 10.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.75 | 12.30 | 0.00 | 12.82 | 0.00 | 1.11 | 0.11 | 0.09 | 1.30 | 1.15 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 284 | 10.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.73 | 12.26 | 0.00 | 12.78 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.15 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 285 | 10.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.71 | 12.22 | 0.00 | 12.74 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.15 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 286 | 10.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.70 | 12.18 | 0.00 | 12.70 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 287 | 10.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.69 | 12.14 | 0.00 | 12.65 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 288 | 10.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.68 | 12.10 | 0.00 | 12.61 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 289 | 9.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.68 | 12.07 | 0.00 | 12.57 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 290 | 9.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.67 | 12.03 | 0.00 | 12.53 | 0.00 | 1.10 | 0.10 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 291 | 9.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.66 | 11.99 | 0.00 | 12.49 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 292 | 9.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.66 | 11.95 | 0.00 | 12.45 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 293 | 9.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.66 | 11.92 | 0.00 | 12.41 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 294 | 9.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.88 | 0.00 | 12.37 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 295 | 9.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.84 | 0.00 | 12.33 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 296 | 9.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.81 | 0.00 | 12.29 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 297 | 9.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.77 | 0.00 | 12.26 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 298 | 9.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.74 | 0.00 | 12.22 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 299 | 8.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.70 | 0.00 | 12.18 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 300 | 8.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.67 | 0.00 | 12.14 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 301 | 8.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.63 | 0.00 | 12.11 | 0.00 | 1.10 | 0.10 | 0.09 | 1.28 | 1.13 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 302 | 8.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.54 | 12.99 | 0.00 | 13.46 | 0.00 | 1.19 | 0.34 | 0.14 | 1.67 | 1.23 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 303 | 8.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 12.95 | 0.00 | 13.42 | 0.00 | 1.19 | 0.34 | 0.14 | 1.67 | 1.23 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 304 | 8.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 12.91 | 0.00 | 13.38 | 0.00 | 1.19 | 0.33 | 0.14 | 1.67 | 1.23 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 305 | 8.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.87 | 0.00 | 13.33 | 0.00 | 1.19 | 0.33 | 0.14 | 1.66 | 1.23 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 306 | 8.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.83 | 0.00 | 13.29 | 0.00 | 1.19 | 0.33 | 0.15 | 1.66 | 1.23 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 307 | 8.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.79 | 0.00 | 13.24 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 1.23 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 308 | 8.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.74 | 0.00 | 13.20 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 1.22 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 309 | 7.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.70 | 0.00 | 13.16 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 1.22 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 310 | 7.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.66 | 0.00 | 13.12 | 0.00 | 1.19 | 0.32 | 0.15 | 1.65 | 1.22 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 311 | 7.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.62 | 0.00 | 13.07 | 0.00 | 1.19 | 0.31 | 0.15 | 1.65 | 1.22 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 312 | 7.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.59 | 0.00 | 13.03 | 0.00 | 1.18 | 0.31 | 0.15 | 1.65 | 1.22 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 313 | 7.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.55 | 0.00 | 12.99 | 0.00 | 1.18 | 0.31 | 0.16 | 1.65 | 1.22 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 314 | 7.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.51 | 0.00 | 12.95 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 1.22 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 315 | 7.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.47 | 0.00 | 12.91 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 1.22 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 316 | 7.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.43 | 0.00 | 12.87 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 1.22 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |
| 317 | 7.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.39 | 0.00 | 12.83 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 1.22 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 318 | 7.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.36 | 0.00 | 12.79 | 0.00 | 1.18 | 0.29 | 0.16 | 1.64 | 1.21 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 319 | 6.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.54 | 13.10 | 0.00 | 13.53 | 0.00 | 1.23 | 0.42 | 0.19 | 1.85 | 1.27 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 320 | 6.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 13.06 | 0.00 | 13.48 | 0.00 | 1.23 | 0.42 | 0.19 | 1.84 | 1.27 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. | 0.00 |
| 321 | 6.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 13.02 | 0.00 | 13.44 | 0.00 | 1.23 | 0.41 | 0.19 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 322 | 6.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.98 | 0.00 | 13.40 | 0.00 | 1.23 | 0.41 | 0.20 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 323 | 6.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.94 | 0.00 | 13.35 | 0.00 | 1.23 | 0.41 | 0.20 | 1.83 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 324 | 6.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.90 | 0.00 | 13.31 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. | 0.00 |
| 325 | 6.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.86 | 0.00 | 13.27 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 326 | 6.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.82 | 0.00 | 13.23 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 327 | 6.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.78 | 0.00 | 13.19 | 0.00 | 1.23 | 0.39 | 0.21 | 1.82 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 328 | 6.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.74 | 0.00 | 13.14 | 0.00 | 1.22 | 0.39 | 0.21 | 1.82 | 1.26 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. | 0.00 |
| 329 | 5.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.70 | 0.00 | 13.10 | 0.00 | 1.22 | 0.38 | 0.21 | 1.82 | 1.26 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 330 | 5.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.67 | 0.00 | 13.06 | 0.00 | 1.22 | 0.38 | 0.21 | 1.81 | 1.25 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 331 | 5.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.63 | 0.00 | 13.02 | 0.00 | 1.22 | 0.38 | 0.21 | 1.81 | 1.25 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 332 | 5.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.59 | 0.00 | 12.98 | 0.00 | 1.22 | 0.37 | 0.21 | 1.81 | 1.25 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 333 | 5.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.74 | 0.00 | 13.12 | 0.00 | 1.23 | 0.40 | 0.22 | 1.85 | 1.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 334 | 5.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.70 | 0.00 | 13.08 | 0.00 | 1.23 | 0.40 | 0.22 | 1.85 | 1.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 335 | 5.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.66 | 0.00 | 13.04 | 0.00 | 1.23 | 0.39 | 0.22 | 1.85 | 1.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 336 | 5.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.62 | 0.00 | 13.00 | 0.00 | 1.23 | 0.39 | 0.22 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. | 0.00 |
| 337 | 5.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.58 | 0.00 | 12.96 | 0.00 | 1.23 | 0.38 | 0.23 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 338 | 5.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.55 | 0.00 | 12.92 | 0.00 | 1.23 | 0.38 | 0.23 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 339 | 4.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.51 | 0.00 | 12.88 | 0.00 | 1.23 | 0.38 | 0.23 | 1.83 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 340 | 4.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.88 | 0.00 | 13.25 | 0.00 | 1.25 | 0.44 | 0.24 | 1.94 | 1.28 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. | 0.00 |
| 341 | 4.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.84 | 0.00 | 13.20 | 0.00 | 1.25 | 0.44 | 0.24 | 1.94 | 1.28 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 342 | 4.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.80 | 0.00 | 13.16 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 1.28 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 343 | 4.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.76 | 0.00 | 13.12 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 1.28 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 344 | 4.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.72 | 0.00 | 13.08 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 1.28 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. | 0.00 |
| 345 | 4.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.69 | 0.00 | 13.04 | 0.00 | 1.25 | 0.42 | 0.25 | 1.92 | 1.28 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 346 | 4.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.65 | 0.00 | 13.00 | 0.00 | 1.25 | 0.42 | 0.25 | 1.92 | 1.28 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 347 | 4.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.61 | 0.00 | 12.96 | 0.00 | 1.25 | 0.41 | 0.25 | 1.92 | 1.28 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 348 | 4.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.58 | 0.00 | 12.93 | 0.00 | 1.25 | 0.41 | 0.26 | 1.91 | 1.28 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. | 0.00 |
| 349 | 3.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.54 | 0.00 | 12.89 | 0.00 | 1.25 | 0.41 | 0.26 | 1.91 | 1.27 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 350 | 3.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.62 | 12.50 | 0.00 | 12.85 | 0.00 | 1.25 | 0.40 | 0.26 | 1.91 | 1.27 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 351 | 3.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.62 | 12.47 | 0.00 | 12.81 | 0.00 | 1.25 | 0.40 | 0.26 | 1.91 | 1.27 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 352 | 3.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.62 | 12.43 | 0.00 | 12.77 | 0.00 | 1.24 | 0.40 | 0.26 | 1.90 | 1.27 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. | 0.00 |
| 353 | 3.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.63 | 12.40 | 0.00 | 12.73 | 0.00 | 1.24 | 0.39 | 0.26 | 1.90 | 1.27 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 354 | 3.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.63 | 12.36 | 0.00 | 12.70 | 0.00 | 1.24 | 0.39 | 0.26 | 1.90 | 1.27 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 355 | 3.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.63 | 12.33 | 0.00 | 12.66 | 0.00 | 1.24 | 0.39 | 0.27 | 1.89 | 1.27 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 356 | 3.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.64 | 12.29 | 0.00 | 12.62 | 0.00 | 1.24 | 0.38 | 0.27 | 1.89 | 1.27 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. | 0.00 |
| 357 | 3.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.64 | 12.26 | 0.00 | 12.58 | 0.00 | 1.24 | 0.38 | 0.27 | 1.89 | 1.27 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 358 | 3.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.40 | 15.10 | 0.00 | 15.42 | 0.00 | 1.42 | 0.89 | 0.40 | 2.72 | 1.45 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 359 | 2.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.41 | 15.06 | 0.00 | 15.38 | 0.00 | 1.42 | 0.89 | 0.41 | 2.72 | 1.45 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 360 | 2.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.42 | 15.01 | 0.00 | 15.33 | 0.00 | 1.42 | 0.88 | 0.41 | 2.71 | 1.45 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. | 0.00 |
| 361 | 2.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.44 | 14.96 | 0.00 | 15.28 | 0.00 | 1.42 | 0.87 | 0.42 | 2.70 | 1.45 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 362 | 2.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.45 | 14.92 | 0.00 | 15.23 | 0.00 | 1.42 | 0.86 | 0.42 | 2.70 | 1.44 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 363 | 2.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.46 | 14.87 | 0.00 | 15.18 | 0.00 | 1.42 | 0.85 | 0.42 | 2.69 | 1.44 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 364 | 2.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.47 | 14.83 | 0.00 | 15.13 | 0.00 | 1.42 | 0.85 | 0.43 | 2.69 | 1.44 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. | 0.00 |
| 365 | 2.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.48 | 14.78 | 0.00 | 15.08 | 0.00 | 1.42 | 0.84 | 0.43 | 2.68 | 1.44 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |
| 366 | 2.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.49 | 14.74 | 0.00 | 15.04 | 0.00 | 1.41 | 0.83 | 0.43 | 2.68 | 1.44 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |
| 367 | 2.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.50 | 14.69 | 0.00 | 14.99 | 0.00 | 1.41 | 0.82 | 0.44 | 2.67 | 1.44 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 368 | 2.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.51 | 14.65 | 0.00 | 14.94 | 0.00 | 1.41 | 0.82 | 0.44 | 2.67 | 1.44 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. | 0.00 |
| 369 | 1.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.51 | 14.60 | 0.00 | 14.90 | 0.00 | 1.41 | 0.81 | 0.44 | 2.66 | 1.43 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 370 | 1.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.52 | 14.56 | 0.00 | 14.85 | 0.00 | 1.41 | 0.80 | 0.45 | 2.66 | 1.43 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 371 | 1.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.53 | 14.52 | 0.00 | 14.80 | 0.00 | 1.41 | 0.79 | 0.45 | 2.65 | 1.43 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 372 | 1.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.53 | 14.47 | 0.00 | 14.76 | 0.00 | 1.41 | 0.79 | 0.45 | 2.65 | 1.43 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. | 0.00 |
| 373 | 1.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.54 | 14.43 | 0.00 | 14.71 | 0.00 | 1.41 | 0.78 | 0.46 | 2.64 | 1.43 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 374 | 1.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 14.39 | 0.00 | 14.66 | 0.00 | 1.40 | 0.77 | 0.46 | 2.64 | 1.43 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 375 | 1.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 14.34 | 0.00 | 14.62 | 0.00 | 1.40 | 0.77 | 0.46 | 2.63 | 1.43 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 376 | 1.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 14.30 | 0.00 | 14.57 | 0.00 | 1.40 | 0.76 | 0.47 | 2.63 | 1.42 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 377 | 1.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 14.26 | 0.00 | 14.53 | 0.00 | 1.40 | 0.75 | 0.47 | 2.62 | 1.42 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 378 | 1.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 14.22 | 0.00 | 14.48 | 0.00 | 1.40 | 0.75 | 0.47 | 2.62 | 1.42 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 379 | 0.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 14.18 | 0.00 | 14.44 | 0.00 | 1.40 | 0.74 | 0.47 | 2.61 | 1.42 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 380 | 0.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 14.13 | 0.00 | 14.40 | 0.00 | 1.40 | 0.73 | 0.48 | 2.61 | 1.42 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. | 0.00 |
| 381 | 0.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 14.09 | 0.00 | 14.35 | 0.00 | 1.40 | 0.73 | 0.48 | 2.60 | 1.42 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 382 | 0.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 14.05 | 0.00 | 14.31 | 0.00 | 1.40 | 0.72 | 0.48 | 2.60 | 1.42 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 383 | 0.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 14.01 | 0.00 | 14.27 | 0.00 | 1.39 | 0.72 | 0.48 | 2.59 | 1.41 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 384 | 0.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 13.97 | 0.00 | 14.22 | 0.00 | 1.39 | 0.71 | 0.49 | 2.59 | 1.41 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. | 0.00 |
| 385 | 0.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 13.93 | 0.00 | 14.18 | 0.00 | 1.39 | 0.70 | 0.49 | 2.58 | 1.41 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 386 | 0.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 13.89 | 0.00 | 14.14 | 0.00 | 1.39 | 0.70 | 0.49 | 2.58 | 1.41 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 387 | 0.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 13.85 | 0.00 | 14.09 | 0.00 | 1.39 | 0.69 | 0.49 | 2.57 | 1.41 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. | 0.00 |
| 388 | 0.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 13.81 | 0.00 | 14.05 | 0.00 | 1.39 | 0.69 | 0.49 | 2.57 | 1.41 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 281 | 10.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 282 | 10.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 283 | 10.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 284 | 10.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 285 | 10.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 286 | 10.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 287 | 10.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 288 | 10.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 289 | 9.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 290 | 9.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 291 | 9.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 292 | 9.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 293 | 9.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 294 | 9.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 295 | 9.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 296 | 9.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 297 | 9.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 298 | 9.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 299 | 8.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 300 | 8.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 301 | 8.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 302 | 8.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 303 | 8.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 304 | 8.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 305 | 8.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 306 | 8.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 307 | 8.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 308 | 8.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 309 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 310 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 311 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 312 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 313 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 314 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 315 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 316 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 317 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 318 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 319 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 320 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 321 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 322 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 323 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 324 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 325 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 326 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 327 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 328 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 329 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 330 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 331 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 332 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 333 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 334 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 335 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 336 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 337 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 338 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 339 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 340 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 341 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 342 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 343 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 344 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 345 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 346 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 347 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 348 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 349 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 350 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 351 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 352 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 353 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 354 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 355 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 356 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 357 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 358 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 359 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 360 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 361 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 362 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 363 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 364 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 365 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 366 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 367 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 368 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 369 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 370 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 371 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 372 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 373 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 374 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 375 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 376 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 377 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 378 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 379 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 380 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 381 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 382 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 383 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 384 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 385 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 386 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 387 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 388 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Arnold's Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 7 Arnold Creek Baseline Simulation

********** REACH INPUTS **********

| ELEM | TYPE | FLOW | TEMP | SALN | CM-1 | CM-2 | DO | BOD1 | BOD2 | EBOD1 | EBOD2 | ORG-N | NH3-N | NO3-N | PO4-P | CHL A | COLI | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | | | deg C | ppt | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | #/100mL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | HDWTR | 0.02830 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 23.65 | 0.00 | 26.00 | 0.00 | 1.13 | 0.54 | 0.18 | 0.00 | 22.00 | 0.00 | 0.00 |
| 499 | WSTLD | 0.00017 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | WSTLD | 0.00002 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | WSTLD | 0.00042 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.40 | 7.30 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.09 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 488 | 7.30 | 7.20 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.18 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 489 | 7.20 | 7.10 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.27 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 490 | 7.10 | 7.00 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.36 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 491 | 7.00 | 6.90 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.45 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 492 | 6.90 | 6.80 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.54 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 493 | 6.80 | 6.70 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.63 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 494 | 6.70 | 6.60 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.73 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 495 | 6.60 | 6.50 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.82 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 496 | 6.50 | 6.40 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.91 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 497 | 6.40 | 6.30 | 0.02830 | 0.0 | 0.01276 | 0.09 | 1.00 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 498 | 6.30 | 6.20 | 0.02830 | 0.0 | 0.01276 | 0.09 | 1.09 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 499 | 6.20 | 6.10 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.18 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 500 | 6.10 | 6.00 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.27 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 501 | 6.00 | 5.90 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.36 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 502 | 5.90 | 5.80 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.45 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 503 | 5.80 | 5.70 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.54 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 504 | 5.70 | 5.60 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.63 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 505 | 5.60 | 5.50 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.72 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 506 | 5.50 | 5.40 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.81 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 507 | 5.40 | 5.30 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.90 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 508 | 5.30 | 5.20 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.99 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 509 | 5.20 | 5.10 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.08 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 510 | 5.10 | 5.00 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.17 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 511 | 5.00 | 4.90 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.26 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 512 | 4.90 | 4.80 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.35 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 513 | 4.80 | 4.70 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.44 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 514 | 4.70 | 4.60 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.53 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 515 | 4.60 | 4.50 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.62 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 516 | 4.50 | 4.40 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.71 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 517 | 4.40 | 4.30 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.80 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 518 | 4.30 | 4.20 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.89 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 519 | 4.20 | 4.10 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.98 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 520 | 4.10 | 4.00 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.07 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 521 | 4.00 | 3.90 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.16 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 522 | 3.90 | 3.80 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.25 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 523 | 3.80 | 3.70 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.34 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 524 | 3.70 | 3.60 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.43 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 525 | 3.60 | 3.50 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.52 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 526 | 3.50 | 3.40 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.61 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 527 | 3.40 | 3.30 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.71 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 528 | 3.30 | 3.20 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.80 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 529 | 3.20 | 3.10 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.89 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 530 | 3.10 | 3.00 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.98 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 531 | 3.00 | 2.90 | 0.02847 | 0.6 | 0.01283 | 0.09 | 4.07 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 532 | 2.90 | 2.80 | 0.02847 | 0.6 | 0.01283 | 0.09 | 4.16 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 533 | 2.80 | 2.70 | 0.02847 | 0.6 | 0.01283 | 0.09 | 4.25 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 534 | 2.70 | 2.60 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.34 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 535 | 2.60 | 2.50 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.43 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 536 | 2.50 | 2.40 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.52 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 537 | 2.40 | 2.30 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.61 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 538 | 2.30 | 2.20 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.70 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 539 | 2.20 | 2.10 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.79 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 540 | 2.10 | 2.00 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.88 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 541 | 2.00 | 1.90 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.97 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 542 | 1.90 | 1.80 | 0.02849 | 0.7 | 0.01283 | 0.09 | 5.06 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 543 | 1.80 | 1.70 | 0.02849 | 0.7 | 0.01283 | 0.09 | 5.15 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 544 | 1.70 | 1.60 | 0.02849 | 0.7 | 0.01283 | 0.09 | 5.24 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 545 | 1.60 | 1.50 | 0.02849 | 0.7 | 0.01283 | 0.09 | 5.33 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 546 | 1.50 | 1.40 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.42 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 547 | 1.40 | 1.30 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.51 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 548 | 1.30 | 1.20 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.60 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 549 | 1.20 | 1.10 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.68 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 550 | 1.10 | 1.00 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.77 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 551 | 1.00 | 0.90 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.86 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 552 | 0.90 | 0.80 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.95 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 553 | 0.80 | 0.70 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.04 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 554 | 0.70 | 0.60 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.13 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 555 | 0.60 | 0.50 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.22 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 556 | 0.50 | 0.40 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.31 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 557 | 0.40 | 0.30 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.40 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 558 | 0.30 | 0.20 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.49 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 559 | 0.20 | 0.10 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.58 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 560 | 0.10 | 0.00 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.66 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| TOT | | | | | | 6.66 | | | | 16429.16 | 38332.00 | | | | | |
| AVG | | | | | 0.0129 | | | 0.43 | 5.18 | | | 2.22 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 7.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 7.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 7.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 6.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 6.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 6.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 6.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 6.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 6.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 6.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 6.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 6.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 6.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 5.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 5.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 5.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 5.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 5.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 5.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 5.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 5.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 5.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 5.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 4.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 4.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 4.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 4.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 4.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 4.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 4.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 518 | 4.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 4.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 4.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 3.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 3.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 3.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 3.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 3.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 3.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 3.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 3.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 3.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 530 | 3.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 2.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 532 | 2.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 533 | 2.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | 2.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 535 | 2.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 536 | 2.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 537 | 2.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 538 | 2.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 539 | 2.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 540 | 2.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 541 | 1.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 542 | 1.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 543 | 1.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 544 | 1.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 545 | 1.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | 1.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 547 | 1.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 548 | 1.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 549 | 1.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 550 | 1.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 551 | 0.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 552 | 0.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 553 | 0.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 554 | 0.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 555 | 0.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 556 | 0.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 557 | 0.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 558 | 0.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 559 | 0.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 560 | 0.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.98 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.10 | 23.53 | 0.00 | 25.88 | 0.00 | 0.94 | 0.53 | 0.18 | 1.66 | 1.13 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 488 | 7.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.31 | 23.41 | 0.00 | 25.76 | 0.00 | 0.94 | 0.52 | 0.18 | 1.65 | 1.13 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 489 | 7.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.49 | 23.30 | 0.00 | 25.65 | 0.00 | 0.94 | 0.52 | 0.19 | 1.64 | 1.13 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 490 | 7.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.65 | 23.18 | 0.00 | 25.53 | 0.00 | 0.94 | 0.51 | 0.19 | 1.64 | 1.13 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 491 | 6.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 23.06 | 0.00 | 25.41 | 0.00 | 0.94 | 0.50 | 0.19 | 1.63 | 1.13 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 492 | 6.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.89 | 22.95 | 0.00 | 25.30 | 0.00 | 0.94 | 0.49 | 0.19 | 1.62 | 1.12 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 493 | 6.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.99 | 22.83 | 0.00 | 25.18 | 0.00 | 0.94 | 0.49 | 0.19 | 1.62 | 1.12 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 494 | 6.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.07 | 22.72 | 0.00 | 25.07 | 0.00 | 0.94 | 0.48 | 0.19 | 1.61 | 1.12 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 495 | 6.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.14 | 22.60 | 0.00 | 24.95 | 0.00 | 0.94 | 0.47 | 0.19 | 1.60 | 1.12 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 496 | 6.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.20 | 22.49 | 0.00 | 24.84 | 0.00 | 0.93 | 0.47 | 0.19 | 1.60 | 1.12 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 497 | 6.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.25 | 22.37 | 0.00 | 24.72 | 0.00 | 0.93 | 0.46 | 0.20 | 1.59 | 1.12 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 498 | 6.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.29 | 22.26 | 0.00 | 24.61 | 0.00 | 0.93 | 0.45 | 0.20 | 1.58 | 1.12 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 499 | 6.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.29 | 22.02 | 0.00 | 24.37 | 0.00 | 0.93 | 0.44 | 0.21 | 1.58 | 1.11 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 500 | 6.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.33 | 21.91 | 0.00 | 24.26 | 0.00 | 0.93 | 0.44 | 0.21 | 1.57 | 1.11 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 501 | 5.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.36 | 21.80 | 0.00 | 24.15 | 0.00 | 0.92 | 0.43 | 0.21 | 1.56 | 1.11 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 502 | 5.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.39 | 21.69 | 0.00 | 24.04 | 0.00 | 0.92 | 0.43 | 0.21 | 1.56 | 1.11 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 503 | 5.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.42 | 21.58 | 0.00 | 23.93 | 0.00 | 0.92 | 0.42 | 0.21 | 1.55 | 1.11 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 504 | 5.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.44 | 21.47 | 0.00 | 23.82 | 0.00 | 0.92 | 0.41 | 0.21 | 1.54 | 1.11 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 505 | 5.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.46 | 21.36 | 0.00 | 23.71 | 0.00 | 0.92 | 0.41 | 0.21 | 1.54 | 1.11 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 506 | 5.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 21.25 | 0.00 | 23.60 | 0.00 | 0.92 | 0.40 | 0.21 | 1.53 | 1.11 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 507 | 5.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 21.15 | 0.00 | 23.50 | 0.00 | 0.92 | 0.40 | 0.21 | 1.52 | 1.11 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 508 | 5.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 21.04 | 0.00 | 23.39 | 0.00 | 0.92 | 0.39 | 0.21 | 1.52 | 1.11 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 509 | 5.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 20.93 | 0.00 | 23.28 | 0.00 | 0.92 | 0.39 | 0.21 | 1.51 | 1.11 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 510 | 5.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 20.83 | 0.00 | 23.18 | 0.00 | 0.92 | 0.38 | 0.20 | 1.50 | 1.10 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 511 | 4.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 20.72 | 0.00 | 23.07 | 0.00 | 0.92 | 0.38 | 0.20 | 1.50 | 1.10 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 512 | 4.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 20.62 | 0.00 | 22.97 | 0.00 | 0.92 | 0.37 | 0.20 | 1.49 | 1.10 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 513 | 4.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 20.51 | 0.00 | 22.86 | 0.00 | 0.91 | 0.37 | 0.20 | 1.48 | 1.10 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 514 | 4.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.57 | 20.41 | 0.00 | 22.76 | 0.00 | 0.91 | 0.36 | 0.20 | 1.48 | 1.10 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 515 | 4.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.57 | 20.31 | 0.00 | 22.66 | 0.00 | 0.91 | 0.36 | 0.20 | 1.47 | 1.10 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 516 | 4.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 20.21 | 0.00 | 22.56 | 0.00 | 0.91 | 0.35 | 0.20 | 1.46 | 1.10 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 517 | 4.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 20.10 | 0.00 | 22.45 | 0.00 | 0.91 | 0.35 | 0.20 | 1.46 | 1.10 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 518 | 4.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 20.00 | 0.00 | 22.35 | 0.00 | 0.91 | 0.34 | 0.20 | 1.45 | 1.10 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 519 | 4.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 19.90 | 0.00 | 22.25 | 0.00 | 0.91 | 0.34 | 0.20 | 1.44 | 1.10 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 520 | 4.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 19.80 | 0.00 | 22.15 | 0.00 | 0.91 | 0.33 | 0.19 | 1.44 | 1.10 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 521 | 3.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 19.70 | 0.00 | 22.05 | 0.00 | 0.91 | 0.33 | 0.19 | 1.43 | 1.10 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 522 | 3.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 19.60 | 0.00 | 21.95 | 0.00 | 0.91 | 0.32 | 0.19 | 1.42 | 1.09 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 523 | 3.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 19.50 | 0.00 | 21.85 | 0.00 | 0.91 | 0.32 | 0.19 | 1.42 | 1.09 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 524 | 3.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 19.41 | 0.00 | 21.75 | 0.00 | 0.91 | 0.31 | 0.19 | 1.41 | 1.09 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 525 | 3.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 19.31 | 0.00 | 21.66 | 0.00 | 0.90 | 0.31 | 0.19 | 1.40 | 1.09 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 526 | 3.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 19.21 | 0.00 | 21.56 | 0.00 | 0.90 | 0.31 | 0.19 | 1.40 | 1.09 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 527 | 3.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 19.11 | 0.00 | 21.46 | 0.00 | 0.90 | 0.30 | 0.18 | 1.39 | 1.09 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 528 | 3.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 19.02 | 0.00 | 21.37 | 0.00 | 0.90 | 0.30 | 0.18 | 1.38 | 1.09 | 1.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 529 | 3.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 18.92 | 0.00 | 21.27 | 0.00 | 0.90 | 0.29 | 0.18 | 1.38 | 1.09 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 530 | 3.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 18.83 | 0.00 | 21.18 | 0.00 | 0.90 | 0.29 | 0.18 | 1.37 | 1.09 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 531 | 2.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 18.73 | 0.00 | 21.08 | 0.00 | 0.90 | 0.29 | 0.18 | 1.36 | 1.09 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 532 | 2.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 18.64 | 0.00 | 20.99 | 0.00 | 0.90 | 0.28 | 0.17 | 1.36 | 1.09 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 533 | 2.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 18.54 | 0.00 | 20.89 | 0.00 | 0.90 | 0.28 | 0.17 | 1.35 | 1.09 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 534 | 2.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 18.44 | 0.00 | 20.79 | 0.00 | 0.90 | 0.27 | 0.17 | 1.34 | 1.08 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 535 | 2.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 18.35 | 0.00 | 20.69 | 0.00 | 0.90 | 0.27 | 0.17 | 1.34 | 1.08 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 536 | 2.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 18.25 | 0.00 | 20.60 | 0.00 | 0.90 | 0.27 | 0.17 | 1.33 | 1.08 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 537 | 2.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 18.16 | 0.00 | 20.51 | 0.00 | 0.89 | 0.26 | 0.17 | 1.32 | 1.08 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 538 | 2.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 18.07 | 0.00 | 20.42 | 0.00 | 0.89 | 0.26 | 0.16 | 1.32 | 1.08 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 539 | 2.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 17.98 | 0.00 | 20.33 | 0.00 | 0.89 | 0.26 | 0.16 | 1.31 | 1.08 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 540 | 2.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 17.89 | 0.00 | 20.24 | 0.00 | 0.89 | 0.25 | 0.16 | 1.30 | 1.08 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 541 | 1.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 17.80 | 0.00 | 20.15 | 0.00 | 0.89 | 0.25 | 0.16 | 1.30 | 1.08 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 542 | 1.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 17.71 | 0.00 | 20.06 | 0.00 | 0.89 | 0.25 | 0.15 | 1.29 | 1.08 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 543 | 1.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 17.62 | 0.00 | 19.97 | 0.00 | 0.89 | 0.24 | 0.15 | 1.29 | 1.08 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 544 | 1.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 17.53 | 0.00 | 19.88 | 0.00 | 0.89 | 0.24 | 0.15 | 1.28 | 1.08 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 545 | 1.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 17.45 | 0.00 | 19.80 | 0.00 | 0.89 | 0.24 | 0.15 | 1.27 | 1.08 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 546 | 1.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 18.10 | 0.00 | 20.45 | 0.00 | 0.95 | 0.37 | 0.17 | 1.50 | 1.13 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 547 | 1.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 18.02 | 0.00 | 20.36 | 0.00 | 0.95 | 0.37 | 0.17 | 1.49 | 1.13 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 548 | 1.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 17.93 | 0.00 | 20.28 | 0.00 | 0.95 | 0.36 | 0.17 | 1.48 | 1.13 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 549 | 1.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 17.84 | 0.00 | 20.19 | 0.00 | 0.94 | 0.36 | 0.17 | 1.48 | 1.13 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 550 | 1.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 17.75 | 0.00 | 20.10 | 0.00 | 0.94 | 0.35 | 0.17 | 1.47 | 1.13 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 551 | 0.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 17.66 | 0.00 | 20.01 | 0.00 | 0.94 | 0.35 | 0.17 | 1.46 | 1.13 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 552 | 0.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 17.57 | 0.00 | 19.92 | 0.00 | 0.94 | 0.35 | 0.17 | 1.46 | 1.13 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 553 | 0.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 17.49 | 0.00 | 19.83 | 0.00 | 0.94 | 0.34 | 0.17 | 1.45 | 1.13 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 554 | 0.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 17.40 | 0.00 | 19.75 | 0.00 | 0.94 | 0.34 | 0.17 | 1.44 | 1.13 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 555 | 0.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 17.31 | 0.00 | 19.66 | 0.00 | 0.94 | 0.33 | 0.17 | 1.44 | 1.13 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 556 | 0.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 17.23 | 0.00 | 19.58 | 0.00 | 0.94 | 0.33 | 0.16 | 1.43 | 1.13 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 557 | 0.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 17.14 | 0.00 | 19.49 | 0.00 | 0.94 | 0.32 | 0.16 | 1.42 | 1.12 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 558 | 0.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 17.06 | 0.00 | 19.40 | 0.00 | 0.94 | 0.32 | 0.16 | 1.42 | 1.12 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 559 | 0.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 16.97 | 0.00 | 19.32 | 0.00 | 0.94 | 0.31 | 0.16 | 1.41 | 1.12 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 560 | 0.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 16.89 | 0.00 | 19.24 | 0.00 | 0.94 | 0.31 | 0.16 | 1.41 | 1.12 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 488 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 489 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 490 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 491 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 492 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 493 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 494 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 495 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 496 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 497 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 498 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 499 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 500 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 501 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 502 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 503 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 504 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 505 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 506 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 507 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 508 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 509 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 510 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 511 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 512 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 513 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 514 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 515 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 516 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 517 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 518 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 519 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 520 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 521 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 522 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 523 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 524 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 525 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 526 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 527 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 528 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 529 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 530 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 531 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 532 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 533 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 534 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 535 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 536 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 537 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 538 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 539 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 540 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 541 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 542 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 543 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 544 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 545 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 546 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 547 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 548 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 549 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 550 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 551 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 552 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 553 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 554 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 555 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 556 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 557 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 558 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 559 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 560 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

REACH SUMMARY REPORT: Pont. Creek

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Pontchatoula (Head to PTS) | 40.60 | 28.40 | 12.20 | 5.98 | 0.03179 | 0.02361 | 0.460 | 2.74 | 1.123 | 0.077 | 1.508 | 8.99 |
| 3 | Pontchatoula (PTS to YWRC) | 28.40 | 24.70 | 3.70 | 0.36 | 0.03118 | 0.11973 | 0.181 | 3.35 | 1.101 | 0.393 | 0.595 | 10.99 |
| 4 | Pontchatoula (YWRC to EPON) | 24.70 | 20.70 | 4.00 | 1.68 | 0.04607 | 0.02757 | 0.448 | 3.08 | 1.627 | 0.090 | 1.471 | 10.11 |
| 6 | Pontchatoula (EPON to Arnold) | 20.70 | 10.90 | 9.80 | 0.19 | 0.59316 | 0.59404 | 0.147 | 3.20 | 20.944 | 1.949 | 0.481 | 10.50 |
| 8 | Pontchatoula (Arnold to YWR) | 10.90 | 6.60 | 4.30 | 0.72 | 0.62962 | 0.06893 | 0.496 | 18.29 | 22.232 | 0.226 | 1.629 | 60.01 |
| 9 | Pontchatoula (YWR to base) | 6.60 | 0.00 | 6.60 | 9.84 | 0.63091 | 0.00776 | 1.568 | 51.82 | 22.277 | 0.025 | 5.144 | 170.02 |

REACH SUMMARY REPORT: Pont. Trib.

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Pontchatoula Trib. | 8.00 | 0.00 | 8.00 | 0.57 | 0.03602 | 0.16165 | 0.197 | 0.91 | 1.272 | 0.530 | 0.647 | 2.99 |

REACH SUMMARY REPORT: East Pont.

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | East Pontchatoula | 10.90 | 0.00 | 10.90 | 5.49 | 0.04287 | 0.02297 | 0.391 | 3.87 | 1.514 | 0.075 | 1.283 | 12.70 |

REACH SUMMARY REPORT: Arnold's Creek

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | Arnold Creek | 7.40 | 0.00 | 7.40 | 6.66 | 0.02891 | 0.01285 | 0.429 | 5.18 | 1.021 | 0.042 | 1.406 | 17.00 |

LA-QUAL Model for Ponchatoula Creek Watershed
Baseline Simulation

STREAM SUMMARY REPORT: Pont. Creek

```
 TRAVEL TIME       =          18.77 DAYS
 MAXIMUM EFFLUENT  =          17.03 PERCENT

 FLOW              =   0.02830 TO    0.63091   m³/s
 DISPERSION        =   0.0000  TO   35.0000    m²/s
 VELOCITY          =   0.00775 TO    1.16557   m/s
 DEPTH             =   0.13    TO    1.57      m
 WIDTH             =   2.74    TO   51.82      m

 BOD DECAY         =    0.03   TO    0.05      per day
 NH3 DECAY         =    0.18   TO    0.18      per day
 SOD               =    0.00   TO    1.40      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    0.45   TO   10.00      per day
 BOD SETTLING      =    0.01   TO    0.08      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   20.00   TO   20.00      deg C
 DISSOLVED OXYGEN  =    6.88   TO    9.08      mg/L
```

STREAM SUMMARY REPORT: Pont. Trib.

```
 TRAVEL TIME       =           0.57 DAYS
 MAXIMUM EFFLUENT  =          21.43 PERCENT

 FLOW              =   0.02830 TO    0.03602   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.15816 TO    0.19520   m/s
 DEPTH             =   0.20    TO    0.20      m
 WIDTH             =   0.91    TO    0.91      m

 BOD DECAY         =    0.03   TO    0.03      per day
 NH3 DECAY         =    0.18   TO    0.18      per day
 SOD               =    0.00   TO    0.00      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =   10.00   TO   10.00      per day
 BOD SETTLING      =    0.05   TO    0.05      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   20.00   TO   20.00      deg C
 DISSOLVED OXYGEN  =    7.00   TO    9.02      mg/L
```

STREAM SUMMARY REPORT: East Pont.

```
 TRAVEL TIME       =           5.49 DAYS
 MAXIMUM EFFLUENT  =          11.39 PERCENT

 FLOW              =   0.02839 TO    0.04287   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.01927 TO    0.02760   m/s
 DEPTH             =   0.38    TO    0.40      m
 WIDTH             =   3.87    TO    3.87      m

 BOD DECAY         =    0.03   TO    0.03      per day
 NH3 DECAY         =    0.18   TO    0.18      per day
 SOD               =    2.26   TO    2.26      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
```

```
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    2.47   TO    2.64      per day
 BOD SETTLING      =    0.02   TO    0.03      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   20.00   TO   20.00      deg C
 DISSOLVED OXYGEN  =    6.40   TO    6.82      mg/L

STREAM SUMMARY REPORT: Arnold's Creek

 TRAVEL TIME       =           6.66 DAYS
 MAXIMUM EFFLUENT  =           2.11 PERCENT

 FLOW              =   0.02830 TO    0.02891   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.01276 TO    0.01300   m/s
 DEPTH             =   0.43    TO    0.43      m
 WIDTH             =   5.18    TO    5.18      m

 BOD DECAY         =    0.03   TO    0.03      per day
 NH3 DECAY         =    0.18   TO    0.18      per day
 SOD               =    0.50   TO    0.50      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    1.98   TO    1.98      per day
 BOD SETTLING      =    0.02   TO    0.02      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   20.00   TO   20.00      deg C
 DISSOLVED OXYGEN  =    7.10   TO    8.68      mg/L

 LA-QUAL Model for Ponchatoula Creek Watershed
 Baseline Simulation

INPUT/OUTPUT LOADING SUMMARY
```

| | FLOW m³/s | DO kg/d | BOD1 kg/d | BOD2 kg/d | ORG-N kg/d | NH3-N kg/d | NO3-N kg/d | ORG-P kg/d | PO4-P kg/d | CHL A | PERIP | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HEADWATER FLOW | 0.11320 | 67.00 | 179.26 | 0.00 | 17.69 | 2.69 | 0.88 | 0.00 | 0.00 | 0.00 | | 0.00 |
| INCREMENTAL INFLOW | 0.53820 | 318.53 | 1326.72 | 0.00 | 48.70 | 12.87 | 16.16 | 0.00 | 0.00 | 0.00 | | 0.00 |
| INCREMENTAL OUTFLOW | 0.00000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| WASTELOADS | 0.03331 | 9.14 | 137.44 | 0.00 | 10.95 | 18.59 | 5.58 | 0.00 | 0.00 | 0.00 | | 0.00 |
| WITHDRAWLS | -0.05380 | -41.38 | -83.82 | 0.00 | -12.14 | -3.88 | -2.04 | 0.00 | 0.00 | 0.00 | | 0.00 |
| FLOW THRU LOWER BNDRY | -0.63091 | -374.83 | -1241.88 | 0.00 | -88.60 | -8.24 | -4.65 | 0.00 | 0.00 | 0.00 | | 0.00 |
| DISPERSION THRU LOWER BNDRY | | -64.35 | 462.85 | 0.00 | 32.12 | -2.88 | -3.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| DISPERSION THRU HDWTR BNDRY | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| NON-POINT INPUT | | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | 0.00 |
| NATURAL REAERATION | | 754.31 | | | | | | | | | | |
| DAM REAERATION | | 0.00 | | | | | | | | | | |
| SOD BACKGROUND | | -507.62 | | | | | | | | | | |
| BOD1 DECAY | | -623.41 | -623.41 | | | | | | | | | |
| BOD1 SETTLING | | 0.00 | -124.00 | | | | | | | | | |
| ANAEROBIC BOD1 DECAY | | | 0.00 | | | | | | | | | |
| BOD2 DECAY | | 0.00 | | 0.00 | | | | | | | | |
| BOD2 SETTLING | | 0.00 | | 0.00 | | | | | | | | |
| ANAEROBIC BOD2 DECAY | | | | 0.00 | | | | | | | | |
| BOD2 HYDROLYSIS | | | 0.00 | 0.00 | | | | | | | | |
| ORG-N DECAY | | 0.00 | | | -8.72 | 8.72 | | | | | | |
| ORG-N SETTLING | | | | | 0.00 | 0.00 | | | | | | |
| NH3-N DECAY (NITRIFICATION) | | -120.68 | | | | -27.87 | 27.87 | | | | | |
| NH3-N BACKGROUND SEDIMENT SOURCE | | | | | | 0.00 | | | | | | |
| DENITRIFICATION | | | -33.29 | | | | -11.65 | | | | | |
| ORG-P HYDROLYSIS | | | | | | | | 0.00 | 0.00 | | | |
| ORG-P SETTLING | | | | | | | | 0.00 | 0.00 | | | |
| PO4-P BACKGROUND SEDIMENT SOURCE | | | | | | | | | 0.00 | | | |
| PHYTOPLANKTON GROWTH/PHOTOSYNTHESIS | | 583.18 | | | | 0.00 | -29.16 | | 0.00 | 0.00 | | |
| PHYTOPLANKTON RESPIRATION/EXCRETION | | 0.00 | | | | 0.00 | | | 0.00 | 0.00 | | |
| PHYTOPLANKTON SETTLING | | 0.00 | | | | 0.00 | | | 0.00 | 0.00 | | |
| PHYTOPLANKTON DEATH | | | 0.00 | 0.00 | 0.00 | | | 0.00 | | 0.00 | | |
| PERIPHYTON GROWTH/PHOTOSYNTHESIS | | 0.00 | | | | 0.00 | 0.00 | | 0.00 | | 0.00 | |
| PERIPHYTON RESPIRATION/EXCRETION | | 0.00 | | | | 0.00 | | | 0.00 | | 0.00 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PERIPHYTON DEATH | | | 0.00 | 0.00 | 0.00 | | | 0.00 | | | 0.00 | |
| NCM DECAY | | 0.00 | | | | | | | | | | 0.00 |
| NCM SETTLING | | 0.00 | | | | | | | | | | 0.00 |
| TOTAL INPUTS | 0.68471 | 1732.15 | 2106.29 | 0.00 | 109.46 | 42.87 | 50.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL OUTPUTS | -0.68471 | -1732.27 | -2106.40 | 0.00 | -109.47 | -42.87 | -50.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NET CONVERGENCE ERROR | 0.00000 | -0.13 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

.....EXECUTION COMPLETED

# APPENDIX I:
# Model TMDL Output Files

Summer TMDL LA-QUAL model output ..... I-1
Winter TMDL LA-QUAL model output ..... I-98

## Summer TMDL LA-QUAL model output

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LA-QUAL Version 9.05
Louisiana Department of Environmental Quality

Input file is C:\Users\sarah.bradbury\Documents\My files\LA TMDL\Report\040504_040505(Yellow_Ponchatoula)\Ponchatoula_TMDL.txt
Running in steady-state mode using LA defaults
Output produced at 14:37 on 11/28/2011

$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL Model for Ponchatoula Creek Watershed
TITLE02         TMDL Simulation
CONTROL   YES   METRIC UNITS
ENDATA01

$$$ DATA TYPE 2 (MODEL OPTIONS) $$$

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                        UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                        UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                        UNITS =
ENDATA02

$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         INHIBITION CONTROL VALUE           =         0.00000 (no oxygen dependent rates)
PROGRAM         OCEAN EXCHANGE RATIO               =         0.50000
PROGRAM         TIDE HEIGHT                        =         0.07000 meters
PROGRAM         TIDAL PERIOD                       =        12.00000 hours
PROGRAM         PERIOD OF TIDAL RISE               =         6.00000 hours
ENDATA03

$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA05

$$$ DATA TYPE 6 (PHYTOPLANKTON CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA06

$$$ DATA TYPE 7 (PERIPHYTON CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA07
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```
$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                                      BEGIN        END    ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                            REACH       REACH  LENGTH  LENGTH  PER RCH  ELEM   ELEM
                                                        km          km      km      km            NUM    NUM

REACH ID     1   P6  Pontchatoula (Head to PTS)      40.60  TO  28.40  0.1000   12.20     122      1    122
REACH ID     2   PT  Pontchatoula Trib.               8.00  TO   0.00  0.1000    8.00      80    123    202
REACH ID     3   P5  Pontchatoula (PTS to YWRC)      28.40  TO  24.70  0.1000    3.70      37    203    239
REACH ID     4   P4  Pontchatoula (YWRC to EPON)     24.70  TO  20.70  0.1000    4.00      40    240    279
REACH ID     5   EP  East Pontchatoula               10.90  TO   0.00  0.1000   10.90     109    280    388
REACH ID     6   P3  Pontchatoula (EPON to Arnold)   20.70  TO  10.90  0.1000    9.80      98    389    486
REACH ID     7   AC  Arnold Creek                     7.40  TO   0.00  0.1000    7.40      74    487    560
REACH ID     8   P2  Pontchatoula (Arnold to YWR)    10.90  TO   6.60  0.1000    4.30      43    561    603
REACH ID     9   P1  Pontchatoula (YWR to base)       6.60  TO   0.00  0.1000    6.60      66    604    669
ENDATA08

$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID      WIDTH      WIDTH      WIDTH      DEPTH      DEPTH      DEPTH     SLOPE   MANNINGS
                           "A"        "B"        "C"        "D"        "E"        "F"              "N"

HYDR-1       1   P6      0.000      0.000      2.740      0.720      0.128      0.000   0.00070   0.000
HYDR-1       2   PT      0.000      0.000      0.910      0.310      0.128      0.000   0.00100   0.000
HYDR-1       3   P5      0.000      0.000      3.350      0.253      0.128      0.000   0.00080   0.000
HYDR-1       4   P4      0.000      0.000      3.080      0.680      0.128      0.000   0.00080   0.000
HYDR-1       5   EP      0.000      0.000      3.870      0.600      0.128      0.000   0.00080   0.000
HYDR-1       6   P3      0.000      0.000      3.200      0.170      0.128      0.000   0.00050   0.000
HYDR-1       7   AC      0.000      0.000      5.180      0.675      0.128      0.000   0.00090   0.000
HYDR-1       8   P2      0.000      0.000     18.290      0.527      0.128      0.000   0.00070   0.000
HYDR-1       9   P1      0.000      0.000     51.820      1.663      0.128      0.000   0.00050   0.000
ENDATA09

$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID     TIDAL     DISPERSION     DISPERSION     DISPERSION     DISPERSION
                         RANGE        "A"            "B"            "C"            "D"

HYDR         1   P6      0.00       0.000          0.000          0.000          0.000
HYDR         2   PT      0.00       0.000          0.000          0.000          0.000
HYDR         3   P5      0.00       0.000          0.000          0.000          0.000
HYDR         4   P4      0.00       0.000          0.000          0.000          0.000
HYDR         5   EP      0.00       0.000          0.000          0.000          0.000
HYDR         6   P3      0.00       0.000          0.000          0.000          0.000
HYDR         7   AC      0.00       0.000          0.000          0.000          0.000
HYDR         8   P2      0.50      25.000          0.200          0.300          1.200
HYDR         9   P1      1.00      35.000          0.200          0.300          1.200
ENDATA10

$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$

CARD TYPE      REACH  ID     TEMP    SALIN       DO    NH3-N    NO3-N    PO4-P    CHL A    PERIP     BOD1     BOD2    ORG-N    ORG-P     COLI      NCM     CM-1     CM-2
                                   deg C      ppt     mg/L     mg/L     mg/L     mg/L      µg/L     g/m²     mg/L     mg/L     mg/L     mg/L  #/100mL

INITIAL          1   P6    30.00     0.00     7.40     0.30     0.00     0.00     1.50     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          2   PT    29.80     0.00     6.87     0.15     0.00     0.00     6.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          3   P5    30.00     0.00     7.40     0.30     0.00     0.00     1.50     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          4   P4    32.60     0.00     7.80     0.10     0.00     0.00    42.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          5   EP    25.80     0.00     3.30     0.11     0.00     0.00     5.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          6   P3    30.00     0.00     6.46     0.17     0.00     0.00     2.25     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          7   AC    33.90     0.00     5.10     0.54     0.00     0.00    22.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          8   P2    33.90     0.00     5.10     0.54     0.00     0.00    22.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          9   P1    30.50     0.00     5.30     0.15     0.00     0.00    19.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
ENDATA11

$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                                    AEROB                SETTLD    ANAER    AEROB                          ANAER     BOD2
CARD     RCH  RCH  K2                    K2       K2       K2    BKGRND     BOD     BOD     SOD     BOD     BOD2     BOD2                DECAY  HYDR TO
TYPE     NUM   ID  OPT                  "A"      "B"      "C"       SOD   DECAY    SETT   AVAIL   DECAY    DECAY     SETT               DECAY     BOD1
                                                                  g/m²/d per day     m/d    frac per day per day      m/d            per day per day

COEFF-1    1   P6  15 LOUISIANA        0.000    0.000    0.000     0.000   0.030   0.010   0.000   0.000    0.000    0.000            0.000    0.000
COEFF-1    2   PT  15 LOUISIANA        0.000    0.000    0.000     0.000   0.030   0.010   0.000   0.000    0.000    0.000            0.000    0.000
COEFF-1    3   P5  15 LOUISIANA        0.000    0.000    0.000     0.000   0.030   0.010   0.000   0.000    0.000    0.000            0.000    0.000
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COEFF-1    4   P4  15 LOUISIANA        0.000     0.000     0.000     0.000     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    5   EP  15 LOUISIANA        0.000     0.000     0.000     1.250     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    6   P3  15 LOUISIANA        0.000     0.000     0.000     0.160     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    7   AC  15 LOUISIANA        0.000     0.000     0.000     0.270     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    8   P2   2 CHURCHILL        0.000     0.000     0.000     0.760     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    9   P1   2 CHURCHILL        0.000     0.000     0.000     0.440     0.050     0.010     0.000     0.000     0.000     0.000                0.000     0.000
ENDATA12

$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$
                                                SETTLD              BKGRND    BKGRND                                        SETTLD
CARD TYPE      REACH  ID       ORG-N     ORG-N      ORGN       NH3       NH3       PO4     DENIT      ORGP      ORGP      ORGP
                                DECA      SETT     AVAIL      DECA      SRCE      SRCE      RATE      DECA      SETT     AVAIL
                             per day       m/d      frac   per day    g/m²/d    g/m²/d   per day   per day       m/d      frac

COEFF-2          1   P6       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          2   PT       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          3   P5       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          4   P4       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          5   EP       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          6   P3       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          7   AC       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          8   P2       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          9   P1       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
ENDATA13

$$$ DATA TYPE 14 (ALGAE PHYTOPLANKTON AND PERIPHYTON COEFFICIENTS) $$$
                                                                  MAX                                 MAX
CARD TYPE      REACH  ID      SECCHI    CHL A:     PHYTO     PHYTO     PHYTO     PHYTO     PERIP     PERIP     PERIP      BANK
                               DEPTH     ALGAE      SETT     DEATH      GROW      RESP     DEATH      GROW      RESP   SHADING
                                   m      frac       m/d   per day   per day   per day   per day   per day   per day      frac

ENDATA14

$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$

CARD TYPE      REACH  ID    COLIFORM       NCM       NCM
                            DIE-OFF     DECAY      SETT
                            per day   per day       m/d

ENDATA15

$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE      REACH  ID       OUTFLOW      INFLOW      TEMP     SALIN      CM-1      CM-2   IN/DIST  OUT/DIST
                                  m³/s        m³/s    deg C       ppt

INCR-1           1   P6       0.00000     0.00000     30.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           2   PT       0.00000     0.00000     30.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           3   P5       0.00000     0.01410     29.00      0.00      0.00      0.00   0.00381   0.00000
INCR-1           4   P4       0.00000     0.01410     29.00      0.00      0.00      0.00   0.00353   0.00000
INCR-1           5   EP       0.00000     0.01000     25.80      0.00      0.00      0.00   0.00092   0.00000
INCR-1           6   P3       0.00000     0.50000     29.00      0.00      0.00      0.00   0.05102   0.00000
INCR-1           7   AC       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           8   P2       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           9   P1       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
ENDATA16

$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE      REACH  ID          DO      BOD1     ORG-N     NH3-N     NO3-N      BOD2
                                mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

INCR-2           1   P6        6.85      4.77      0.38      0.09      0.09      0.00
INCR-2           2   PT        6.85      4.77      0.38      0.09      0.09      0.00
INCR-2           3   P5        6.85      2.38      0.55      0.03      0.04      0.00
INCR-2           4   P4        6.85      2.38      0.55      0.03      0.04      0.00
INCR-2           5   EP        6.85      3.87      0.34      0.03      0.09      0.00
INCR-2           6   P3        6.85      8.94      0.30      0.09      0.37      0.00
INCR-2           7   AC        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           8   P2        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           9   P1        0.00      0.00      0.00      0.00      0.00      0.00
ENDATA17

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
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                                        PHYTO
 CARD TYPE      REACH  ID        PO4     CHL A      COLI       NCM      ORGP
                                mg/L      µg/L   #/100mL                mg/L

ENDATA18

$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$

CARD TYPE      REACH  ID        BOD1     ORG-N      COLI       NCM        DO      BOD2     ORG-P
                                kg/d      kg/d     #/day                kg/d      kg/d      kg/d

NONPOINT         1   P6        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         2   PT        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         3   P5        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         4   P4        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         5   EP        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         6   P3        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         7   AC        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         8   P2        0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT         9   P1        0.00      0.00      0.00      0.00      0.00      0.00      0.00
ENDATA19

$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$
                                                                                                HDW DISP
CARD TYPE     ELEMENT   NAME                  UNIT     FLOW       FLOW    TEMP    SALIN      CM-1      CM-2     EXCHG
                                                        m³/s        cfs   deg C      ppt                         frac

HDWTR-1         1       Pont. Creek             0   0.00283    0.09993   30.00     0.00     0.000     0.000     0.000
HDWTR-1       123       Pont. Trib.             0   0.00283    0.09993   29.80     0.00     0.000     0.000     0.000
HDWTR-1       280       East Pont.              0   0.00283    0.09993   25.80     0.00     0.000     0.000     0.000
HDWTR-1       487       Arnold's Creek          0   0.00283    0.09993   29.80     0.00     0.000     0.000     0.000
ENDATA20

$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE     ELEMENT   NAME                          DO     BOD#1     ORG-N     NH3-N     NO3-N      BOD2
                                                    mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

HDWTR-2         1       Pont. Creek                6.85      4.77      0.38      0.09      0.07      0.00
HDWTR-2       123       Pont. Trib.                6.85      6.55      1.18      0.04      0.02      0.00
HDWTR-2       280       East Pont.                 6.85      3.87      0.34      0.03      0.09      0.00
HDWTR-2       487       Arnold's Creek             6.85      7.75      0.34      0.16      0.18      0.00
ENDATA21

$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                                          PHYTO
CARD TYPE     ELEMENT   NAME                       PO4-P    CHL A      COLI       NCM     ORG-P
                                                    mg/L      µg/L   #/100mL                mg/L

ENDATA22

$$$ DATA TYPE 23 (JUNCTION DATA) $$$

CARD TYPE   JUNCTION   UPSTRM     RIVER     NAME
             ELEMENT  ELEMENT     KILOM

JUNCTION        203     122      28.40  PTS to Po    Creek
JUNCTION        389     279      20.70  East Pont to Pont Creek
JUNCTION        561     486      10.90  Arnolds Creek to Pont Creek
ENDATA23

$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE  ELEMENT    RKILO  NAME                     FLOW       FLOW     FLOW    TEMP    SALIN      CM-1      CM-2
                                                       m³/s        cfs      MGD   deg C      ppt

WSTLD-1       21      38.60  LA0122424             0.00004    0.00141    0.001   29.80     0.00     0.000     0.000
WSTLD-1       42      36.50  Grp1-Rch1             0.00120    0.04237    0.027   29.80     0.00     0.000     0.000
WSTLD-1       82      32.50  LAG541777             0.00120    0.04237    0.027   29.80     0.00     0.000     0.000
WSTLD-1       93      31.40  LAG541118             0.00105    0.03708    0.024   29.80     0.00     0.000     0.000
WSTLD-1      193       1.00  LAG570205             0.00386    0.13630    0.088   26.80     0.00     0.000     0.000
WSTLD-1      195       0.80  LAG533605             0.00386    0.13630    0.088   29.80     0.00     0.000     0.000
WSTLD-1      213      27.40  Grp2-Rch3             0.00032    0.01130    0.007   29.80     0.00     0.000     0.000
WSTLD-1      220      26.70  Grp3-Rch3             0.00028    0.00989    0.006   29.80     0.00     0.000     0.000
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WSTLD-1      228      25.90  LAG532004          0.00003    0.00106    0.001   29.80     0.00     0.000     0.000
WSTLD-1      236      25.10  Grp4-Rch3          0.00244    0.08616    0.056   29.80     0.00     0.000     0.000
WSTLD-1      239      24.80  YWRC              -0.05380   -1.89972   -1.228   29.80     0.00     0.000     0.000
WSTLD-1      277      21.00  Grp5-Rch4          0.00079    0.02790    0.018   29.80     0.00     0.000     0.000
WSTLD-1      302       8.70  LAG540869          0.00079    0.02790    0.018   29.80     0.00     0.000     0.000
WSTLD-1      319       7.00  LAG532175          0.00046    0.01624    0.010   29.80     0.00     0.000     0.000
WSTLD-1      333       5.60  Grp6-Rch5          0.00007    0.00247    0.002   29.80     0.00     0.000     0.000
WSTLD-1      340       4.90  Grp7-Rch5          0.00024    0.00847    0.005   29.80     0.00     0.000     0.000
WSTLD-1      358       3.10  Grp8-Rch5          0.00301    0.10629    0.069   29.80     0.00     0.000     0.000
WSTLD-1      393      20.30  LAG541365          0.00039    0.01377    0.009   29.80     0.00     0.000     0.000
WSTLD-1      428      16.80  Grp9-Rch6          0.00183    0.06462    0.042   29.80     0.00     0.000     0.000
WSTLD-1      452      14.40  Grp10-Rch6         0.00183    0.06462    0.042   29.80     0.00     0.000     0.000
WSTLD-1      456      14.00  Grp11-Rch6         0.00017    0.00600    0.004   29.80     0.00     0.000     0.000
WSTLD-1      499       6.20  LAG750157          0.00017    0.00600    0.004   29.80     0.00     0.000     0.000
WSTLD-1      534       2.70  LAG540662          0.00002    0.00071    0.000   29.80     0.00     0.000     0.000
WSTLD-1      546       1.50  LAG531467          0.00042    0.01483    0.010   29.80     0.00     0.000     0.000
WSTLD-1      564      10.60  Grp12-Rch8         0.00001    0.00035    0.000   29.80     0.00     0.000     0.000
WSTLD-1      566      10.40  Grp13-Rch8         0.00342    0.12076    0.078   29.80     0.00     0.000     0.000
WSTLD-1      584       8.60  Grp14-Rch8         0.00129    0.04555    0.029   29.80     0.00     0.000     0.000
WSTLD-1      603       6.70  YWR                0.00283    0.09993    0.065   30.30     0.00     0.000     0.000
WSTLD-1      613       5.70  LAG531729          0.00129    0.04555    0.029   29.80     0.00     0.000     0.000
ENDATA24

$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                                      % BOD                                  %
CARD TYPE     ELEMENT   NAME                        DO        BOD      RMVL     ORG-N     NH3-N    NITRIF     NO3-N      BOD2
                                                  mg/L       mg/L                mg/L      mg/L                mg/L      mg/L

WSTLD-2          21     LA0122424                0.00       0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2          42     Grp1-Rch1                2.00      21.30      0.00      1.55      3.09      0.00      2.00      0.00
WSTLD-2          82     LAG541777                2.00      21.30      0.00      1.55      3.09      0.00      2.00      0.00
WSTLD-2          93     LAG541118                2.00      20.56      0.00      1.49      2.98      0.00      2.00      0.00
WSTLD-2         193     LAG570205                5.00       6.55      0.00      1.19      0.05      0.00      0.00      0.00
WSTLD-2         195     LAG533605                5.00       6.85      0.00      0.51      0.99      0.00      2.00      0.00
WSTLD-2         213     Grp2-Rch3                2.00      22.29      0.00      1.61      3.23      0.00      2.00      0.00
WSTLD-2         220     Grp3-Rch3                2.00      26.52      0.00      1.91      3.84      0.00      2.00      0.00
WSTLD-2         228     LAG532004                2.00      30.84      0.00      2.23      4.47      0.00      2.00      0.00
WSTLD-2         236     Grp4-Rch3                4.30      16.00      0.00      1.16      2.32      0.00      2.00      0.00
WSTLD-2         239     YWRC                     4.30      10.28      0.00      0.75      1.49      0.00      2.00      0.00
WSTLD-2         277     Grp5-Rch4                2.30      19.93      0.00      1.46      2.89      0.00      2.00      0.00
WSTLD-2         302     LAG540869                2.30      19.93      0.00      1.46      2.89      0.00      2.00      0.00
WSTLD-2         319     LAG532175                2.00      20.56      0.00      1.49      2.98      0.00      2.00      0.00
WSTLD-2         333     Grp6-Rch5                2.00      30.84      0.00      2.23      4.47      0.00      2.00      0.00
WSTLD-2         340     Grp7-Rch5                2.00      21.45      0.00      1.55      3.11      0.00      2.00      0.00
WSTLD-2         358     Grp8-Rch5                3.20      15.11      0.00      1.10      2.19      0.00      2.00      0.00
WSTLD-2         393     LAG541365                2.00      20.56      0.00      1.49      2.98      0.00      2.00      0.00
WSTLD-2         428     Grp9-Rch6                3.00      15.94      0.00      1.16      2.31      0.00      2.00      0.00
WSTLD-2         452     Grp10-Rch6               3.00      15.94      0.00      1.16      2.31      0.00      2.00      0.00
WSTLD-2         456     Grp11-Rch6               0.00       0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         499     LAG750157                0.00       0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         534     LAG540662                0.00       0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         546     LAG531467                2.00      20.56      0.00      1.49      2.98      0.00      2.00      0.00
WSTLD-2         564     Grp12-Rch8               0.00       0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         566     Grp13-Rch8               3.00      18.29      0.00      1.34      2.65      0.00      2.00      0.00
WSTLD-2         584     Grp14-Rch8               2.00      21.10      0.00      1.52      3.06      0.00      2.00      0.00
WSTLD-2         603     YWR                      2.00       3.28      0.00      0.42      0.09      0.00      4.00      0.00
WSTLD-2         613     LAG531729                2.00      21.10      0.00      1.52      3.06      0.00      2.00      0.00
ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, PHYTOPLANTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                                      PHYTO
CARD TYPE     ELEMENT   NAME                      PO4-P     CHL A      COLI       NCM     ORG-P
                                                   mg/L      µg/L   #/100mL                mg/L

ENDATA26

$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$

CARD TYPE    CONSTITUENT                     CONCENTRATION

LOWER BC     TEMPERATURE                          30.500     deg C
LOWER BC     DISSOLVED OXYGEN                      6.850     mg/L
LOWER BC     BOD1 BIOCHEMICAL OXYGEN DEMAND        7.450     mg/L
LOWER BC     ORGANIC NITROGEN                      0.540     mg/L
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LOWER BC     AMMONIA NITROGEN                          0.040     mg/L
LOWER BC     NITRATE NITROGEN                          0.084     mg/L
LOWER BC     CHLOROPHYLL A                            19.000     µg/L
ENDATA27

$$$ DATA TYPE 28 (DAM DATA) $$$

CARD TYPE     ELEMENT   NAME                  EQN      "A"       "B"       "H"

ENDATA28

$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$

CARD TYPE       PARAMETER     COL 1     COL 2     COL 3     COL 4     COL 5     COL 6     COL 7     COL 8

ENDATA29

$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$

NUMBER OF PLOTS =  4
NUMBER OF REACHES IN PLOT 1 =   6
PLOT RCH  1  3  4  6  8  9
NUMBER OF REACHES IN PLOT 2 =   1
PLOT RCH  2
NUMBER OF REACHES IN PLOT 3 =   1
PLOT RCH  5
NUMBER OF REACHES IN PLOT 4 =   1
PLOT RCH  7
ENDATA30

$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$

OVERLAY 1 Pont.ovl                        :Pontchatoula Creek
OVERLAY 2 Pont_trib.ovl                   :Pontchatoula Trib.
OVERLAY 3 Epont.ovl                       :East Pontchatoula
OVERLAY 4 Arn.ovl                         :Arnold's Creek
ENDATA31

     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....CONSTITUENT CALCULATIONS COMPLETED
 ***** WARNING:  NEGATIVE CONCENTRATIONS SET TO ZERO FOR Nitrate+Nitrite Nitrogen
     .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
     .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
     .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
     .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14

INTERMEDIATE REPORT
 Dissolved Oxygen                                          LA-QUAL Model for Ponchatoula Creek Watershed
     mg/L                                                  TMDL Simulation
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| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 7.15 | 7.31 | 7.39 | 7.44 | 7.47 | 7.49 | 7.50 | 7.51 | 7.51 | 7.52 |
| P6 | 1 | 11 | 7.52 | 7.53 | 7.53 | 7.53 | 7.54 | 7.54 | 7.54 | 7.55 | 7.55 | 7.55 |
| P6 | 1 | 21 | 7.50 | 7.53 | 7.54 | 7.55 | 7.56 | 7.56 | 7.56 | 7.56 | 7.57 | 7.57 |
| P6 | 1 | 31 | 7.57 | 7.57 | 7.57 | 7.57 | 7.57 | 7.57 | 7.58 | 7.58 | 7.58 | 7.58 |
| P6 | 1 | 41 | 7.58 | 6.32 | 6.57 | 6.75 | 6.87 | 6.97 | 7.04 | 7.10 | 7.15 | 7.19 |
| P6 | 1 | 51 | 7.23 | 7.26 | 7.29 | 7.31 | 7.34 | 7.36 | 7.38 | 7.40 | 7.41 | 7.43 |
| P6 | 1 | 61 | 7.44 | 7.45 | 7.46 | 7.47 | 7.48 | 7.49 | 7.50 | 7.51 | 7.51 | 7.52 |
| P6 | 1 | 71 | 7.53 | 7.53 | 7.54 | 7.54 | 7.55 | 7.55 | 7.55 | 7.56 | 7.56 | 7.56 |
| P6 | 1 | 81 | 7.56 | 6.55 | 6.73 | 6.86 | 6.96 | 7.03 | 7.09 | 7.14 | 7.18 | 7.21 |
| P6 | 1 | 91 | 7.24 | 7.27 | 6.58 | 6.72 | 6.82 | 6.90 | 6.97 | 7.03 | 7.07 | 7.11 |
| P6 | 1 | 101 | 7.15 | 7.18 | 7.20 | 7.23 | 7.25 | 7.27 | 7.29 | 7.31 | 7.33 | 7.34 |
| P6 | 1 | 111 | 7.36 | 7.37 | 7.39 | 7.40 | 7.41 | 7.42 | 7.43 | 7.44 | 7.45 | 7.46 |
| P6 | 1 | 121 | 7.47 | 7.47 | | | | | | | | |
| P5 | 3 | 203 | 7.31 | 7.35 | 7.38 | 7.40 | 7.41 | 7.43 | 7.44 | 7.45 | 7.45 | 7.46 |
| P5 | 3 | 213 | 7.40 | 7.41 | 7.43 | 7.44 | 7.44 | 7.45 | 7.46 | 7.41 | 7.42 | 7.43 |
| P5 | 3 | 223 | 7.44 | 7.45 | 7.45 | 7.46 | 7.46 | 7.46 | 7.46 | 7.46 | 7.47 | 7.47 |
| P5 | 3 | 233 | 7.47 | 7.47 | 7.47 | 7.27 | 7.31 | 7.33 | 7.66 | | | |
| P4 | 4 | 240 | 8.27 | 8.24 | 8.22 | 8.19 | 8.17 | 8.15 | 8.12 | 8.10 | 8.07 | 8.05 |
| P4 | 4 | 250 | 8.02 | 8.00 | 7.97 | 7.95 | 7.92 | 7.90 | 7.87 | 7.85 | 7.82 | 7.79 |
| P4 | 4 | 260 | 7.77 | 7.74 | 7.71 | 7.68 | 7.65 | 7.62 | 7.58 | 7.55 | 7.51 | 7.47 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P4 | 4 | 270 | 7.42 | 7.37 | 7.31 | 7.24 | 7.15 | 7.03 | 6.87 | 6.65 | 6.88 | 6.51 |
| P3 | 6 | 389 | 5.87 | 6.29 | 6.53 | 6.67 | 6.72 | 6.79 | 6.84 | 6.88 | 6.91 | 6.94 |
| P3 | 6 | 399 | 6.95 | 6.97 | 6.98 | 6.99 | 7.00 | 7.01 | 7.01 | 7.02 | 7.02 | 7.03 |
| P3 | 6 | 409 | 7.03 | 7.03 | 7.03 | 7.04 | 7.04 | 7.04 | 7.04 | 7.04 | 7.04 | 7.04 |
| P3 | 6 | 419 | 7.04 | 7.04 | 7.04 | 7.04 | 7.04 | 7.04 | 7.04 | 7.04 | 7.04 | 7.01 |
| P3 | 6 | 429 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.02 | 7.02 |
| P3 | 6 | 439 | 7.02 | 7.02 | 7.02 | 7.02 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 |
| P3 | 6 | 449 | 7.01 | 7.01 | 7.01 | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 |
| P3 | 6 | 459 | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 |
| P3 | 6 | 469 | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 |
| P3 | 6 | 479 | 6.98 | 6.97 | 6.97 | 6.97 | 6.97 | 6.97 | 6.97 | 6.85 | | |
| P2 | 8 | 561 | 6.80 | 6.77 | 6.74 | 6.71 | 6.68 | 6.65 | 6.63 | 6.61 | 6.59 | 6.57 |
| P2 | 8 | 571 | 6.55 | 6.53 | 6.51 | 6.50 | 6.48 | 6.47 | 6.46 | 6.44 | 6.43 | 6.42 |
| P2 | 8 | 581 | 6.41 | 6.40 | 6.39 | 6.39 | 6.38 | 6.38 | 6.38 | 6.38 | 6.38 | 6.39 |
| P2 | 8 | 591 | 6.40 | 6.42 | 6.44 | 6.46 | 6.50 | 6.54 | 6.60 | 6.67 | 6.76 | 6.88 |
| P2 | 8 | 601 | 7.03 | 7.23 | 7.47 | | | | | | | |
| P1 | 9 | 604 | 7.52 | 7.54 | 7.57 | 7.59 | 7.61 | 7.63 | 7.66 | 7.67 | 7.69 | 7.71 |
| P1 | 9 | 614 | 7.73 | 7.75 | 7.76 | 7.78 | 7.79 | 7.80 | 7.82 | 7.83 | 7.84 | 7.85 |
| P1 | 9 | 624 | 7.86 | 7.87 | 7.87 | 7.88 | 7.89 | 7.89 | 7.90 | 7.90 | 7.90 | 7.90 |
| P1 | 9 | 634 | 7.90 | 7.90 | 7.90 | 7.90 | 7.89 | 7.89 | 7.88 | 7.87 | 7.86 | 7.85 |
| P1 | 9 | 644 | 7.84 | 7.83 | 7.81 | 7.80 | 7.78 | 7.76 | 7.74 | 7.72 | 7.70 | 7.67 |
| P1 | 9 | 654 | 7.64 | 7.61 | 7.58 | 7.55 | 7.51 | 7.47 | 7.43 | 7.39 | 7.34 | 7.29 |
| P1 | 9 | 664 | 7.24 | 7.18 | 7.12 | 7.06 | 6.99 | 6.92 | | | | |
| PT | 2 | 123 | 7.08 | 7.23 | 7.34 | 7.42 | 7.47 | 7.51 | 7.54 | 7.55 | 7.57 | 7.57 |
| PT | 2 | 133 | 7.58 | 7.58 | 7.59 | 7.59 | 7.59 | 7.59 | 7.59 | 7.59 | 7.59 | 7.59 |
| PT | 2 | 143 | 7.59 | 7.59 | 7.59 | 7.59 | 7.59 | 7.59 | 7.58 | 7.58 | 7.58 | 7.58 |
| PT | 2 | 153 | 7.58 | 7.58 | 7.58 | 7.58 | 7.58 | 7.58 | 7.58 | 7.58 | 7.58 | 7.58 |
| PT | 2 | 163 | 7.58 | 7.57 | 7.57 | 7.57 | 7.57 | 7.57 | 7.57 | 7.57 | 7.57 | 7.57 |
| PT | 2 | 173 | 7.57 | 7.57 | 7.57 | 7.57 | 7.57 | 7.57 | 7.56 | 7.56 | 7.56 | 7.56 |
| PT | 2 | 183 | 7.56 | 7.56 | 7.56 | 7.56 | 7.56 | 7.56 | 7.56 | 7.56 | 7.56 | 7.56 |
| PT | 2 | 193 | 6.37 | 6.60 | 6.26 | 6.46 | 6.63 | 6.77 | 6.88 | 6.98 | 7.06 | 7.13 |
| EP | 5 | 280 | 6.33 | 6.10 | 6.00 | 5.95 | 5.92 | 5.91 | 5.90 | 5.89 | 5.88 | 5.88 |
| EP | 5 | 290 | 5.87 | 5.87 | 5.86 | 5.85 | 5.85 | 5.84 | 5.84 | 5.83 | 5.82 | 5.82 |
| EP | 5 | 300 | 5.81 | 5.81 | 5.43 | 5.50 | 5.55 | 5.58 | 5.60 | 5.61 | 5.62 | 5.63 |
| EP | 5 | 310 | 5.64 | 5.64 | 5.64 | 5.64 | 5.64 | 5.64 | 5.64 | 5.64 | 5.64 | 5.47 |
| EP | 5 | 320 | 5.50 | 5.52 | 5.53 | 5.54 | 5.55 | 5.55 | 5.55 | 5.55 | 5.55 | 5.55 |
| EP | 5 | 330 | 5.55 | 5.55 | 5.55 | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.51 |
| EP | 5 | 340 | 5.44 | 5.45 | 5.45 | 5.45 | 5.46 | 5.46 | 5.45 | 5.45 | 5.45 | 5.45 |
| EP | 5 | 350 | 5.44 | 5.44 | 5.44 | 5.43 | 5.43 | 5.43 | 5.42 | 5.42 | 5.02 | 5.06 |
| EP | 5 | 360 | 5.10 | 5.12 | 5.15 | 5.16 | 5.18 | 5.19 | 5.20 | 5.20 | 5.21 | 5.22 |
| EP | 5 | 370 | 5.22 | 5.22 | 5.22 | 5.23 | 5.23 | 5.23 | 5.23 | 5.23 | 5.23 | 5.23 |
| EP | 5 | 380 | 5.22 | 5.22 | 5.22 | 5.22 | 5.22 | 5.22 | 5.21 | 5.21 | 5.21 | |
| AC | 7 | 487 | 6.88 | 6.91 | 6.94 | 6.96 | 6.98 | 6.99 | 7.00 | 7.01 | 7.02 | 7.03 |
| AC | 7 | 497 | 7.03 | 7.04 | 6.90 | 7.00 | 7.04 | 7.05 | 7.06 | 7.06 | 7.07 | 7.07 |
| AC | 7 | 507 | 7.07 | 7.07 | 7.07 | 7.07 | 7.08 | 7.08 | 7.08 | 7.08 | 7.08 | 7.08 |
| AC | 7 | 517 | 7.08 | 7.08 | 7.08 | 7.09 | 7.09 | 7.09 | 7.09 | 7.09 | 7.09 | 7.09 |
| AC | 7 | 527 | 7.09 | 7.09 | 7.09 | 7.09 | 7.09 | 7.09 | 7.09 | 7.08 | 7.09 | 7.09 |
| AC | 7 | 537 | 7.09 | 7.09 | 7.10 | 7.10 | 7.10 | 7.10 | 7.10 | 7.10 | 7.10 | 6.69 |
| AC | 7 | 547 | 6.80 | 6.88 | 6.93 | 6.96 | 6.99 | 7.01 | 7.03 | 7.04 | 7.05 | 7.06 |
| AC | 7 | 557 | 7.06 | 7.07 | 7.07 | 7.08 | | | | | | |

INTERMEDIATE REPORT
Effective BOD1
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 4.61 | 4.46 | 4.31 | 4.17 | 4.03 | 3.89 | 3.76 | 3.64 | 3.52 | 3.40 |
| P6 | 1 | 11 | 3.28 | 3.17 | 3.07 | 2.97 | 2.87 | 2.77 | 2.68 | 2.60 | 2.51 | 2.43 |
| P6 | 1 | 21 | 2.32 | 2.24 | 2.16 | 2.09 | 2.02 | 1.96 | 1.89 | 1.83 | 1.77 | 1.72 |
| P6 | 1 | 31 | 1.66 | 1.61 | 1.56 | 1.51 | 1.47 | 1.42 | 1.38 | 1.34 | 1.30 | 1.26 |
| P6 | 1 | 41 | 1.23 | 6.95 | 6.71 | 6.47 | 6.23 | 6.00 | 5.76 | 5.54 | 5.31 | 5.09 |
| P6 | 1 | 51 | 4.88 | 4.67 | 4.46 | 4.27 | 4.07 | 3.89 | 3.71 | 3.54 | 3.37 | 3.21 |
| P6 | 1 | 61 | 3.05 | 2.90 | 2.76 | 2.62 | 2.48 | 2.36 | 2.23 | 2.12 | 2.01 | 1.90 |
| P6 | 1 | 71 | 1.79 | 1.70 | 1.60 | 1.51 | 1.43 | 1.34 | 1.27 | 1.19 | 1.12 | 1.05 |
| P6 | 1 | 81 | 0.99 | 5.48 | 5.30 | 5.13 | 4.96 | 4.79 | 4.63 | 4.46 | 4.30 | 4.15 |
| P6 | 1 | 91 | 3.99 | 3.84 | 6.46 | 6.27 | 6.09 | 5.90 | 5.72 | 5.55 | 5.37 | 5.20 |
| P6 | 1 | 101 | 5.03 | 4.87 | 4.70 | 4.54 | 4.39 | 4.24 | 4.09 | 3.94 | 3.80 | 3.66 |
| P6 | 1 | 111 | 3.52 | 3.39 | 3.26 | 3.13 | 3.01 | 2.89 | 2.77 | 2.66 | 2.55 | 2.44 |
| P6 | 1 | 121 | 2.34 | 2.24 | | | | | | | | |
| P5 | 3 | 203 | 4.54 | 4.59 | 4.64 | 4.69 | 4.75 | 4.81 | 4.87 | 4.93 | 5.00 | 5.07 |
| P5 | 3 | 213 | 5.41 | 5.48 | 5.55 | 5.62 | 5.69 | 5.77 | 5.84 | 6.18 | 6.25 | 6.33 |
| P5 | 3 | 223 | 6.41 | 6.48 | 6.56 | 6.64 | 6.73 | 6.84 | 6.92 | 7.01 | 7.09 | 7.18 |
| P5 | 3 | 233 | 7.27 | 7.35 | 7.44 | 8.46 | 8.54 | 8.62 | 8.07 | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P4 | 4 | 240 | 6.86 | 6.77 | 6.68 | 6.59 | 6.51 | 6.43 | 6.34 | 6.26 | 6.19 | 6.11 |
| P4 | 4 | 250 | 6.03 | 5.96 | 5.89 | 5.82 | 5.76 | 5.70 | 5.64 | 5.58 | 5.53 | 5.48 |
| P4 | 4 | 260 | 5.43 | 5.39 | 5.36 | 5.33 | 5.31 | 5.29 | 5.29 | 5.29 | 5.30 | 5.32 |
| P4 | 4 | 270 | 5.36 | 5.40 | 5.47 | 5.55 | 5.65 | 5.78 | 5.93 | 6.12 | 4.37 | 4.50 |
| P3 | 6 | 389 | 4.80 | 5.79 | 6.43 | 6.87 | 7.34 | 7.57 | 7.76 | 7.92 | 8.06 | 8.18 |
| P3 | 6 | 399 | 8.28 | 8.37 | 8.45 | 8.53 | 8.60 | 8.66 | 8.72 | 8.77 | 8.83 | 8.88 |
| P3 | 6 | 409 | 8.92 | 8.97 | 9.01 | 9.05 | 9.09 | 9.13 | 9.17 | 9.21 | 9.24 | 9.28 |
| P3 | 6 | 419 | 9.31 | 9.34 | 9.37 | 9.41 | 9.44 | 9.47 | 9.50 | 9.53 | 9.56 | 9.65 |
| P3 | 6 | 429 | 9.68 | 9.70 | 9.73 | 9.76 | 9.78 | 9.81 | 9.83 | 9.86 | 9.89 | 9.91 |
| P3 | 6 | 439 | 9.94 | 9.96 | 9.99 | 10.01 | 10.03 | 10.06 | 10.08 | 10.11 | 10.13 | 10.16 |
| P3 | 6 | 449 | 10.18 | 10.20 | 10.23 | 10.29 | 10.31 | 10.34 | 10.36 | 10.38 | 10.40 | 10.43 |
| P3 | 6 | 459 | 10.45 | 10.47 | 10.49 | 10.52 | 10.54 | 10.56 | 10.58 | 10.61 | 10.63 | 10.65 |
| P3 | 6 | 469 | 10.68 | 10.70 | 10.72 | 10.74 | 10.77 | 10.79 | 10.81 | 10.83 | 10.85 | 10.88 |
| P3 | 6 | 479 | 10.90 | 10.92 | 10.94 | 10.97 | 10.99 | 11.01 | 11.03 | 10.97 | | |
| P2 | 8 | 561 | 10.93 | 10.91 | 10.89 | 10.87 | 10.85 | 10.84 | 10.82 | 10.79 | 10.77 | 10.74 |
| P2 | 8 | 571 | 10.72 | 10.69 | 10.67 | 10.65 | 10.62 | 10.60 | 10.57 | 10.55 | 10.53 | 10.50 |
| P2 | 8 | 581 | 10.48 | 10.45 | 10.43 | 10.41 | 10.37 | 10.34 | 10.30 | 10.26 | 10.22 | 10.17 |
| P2 | 8 | 591 | 10.12 | 10.05 | 9.98 | 9.90 | 9.80 | 9.69 | 9.55 | 9.38 | 9.18 | 8.94 |
| P2 | 8 | 601 | 8.64 | 8.28 | 7.84 | | | | | | | |
| P1 | 9 | 604 | 7.76 | 7.72 | 7.67 | 7.63 | 7.59 | 7.56 | 7.52 | 7.48 | 7.45 | 7.41 |
| P1 | 9 | 614 | 7.38 | 7.35 | 7.31 | 7.28 | 7.25 | 7.22 | 7.19 | 7.17 | 7.14 | 7.12 |
| P1 | 9 | 624 | 7.09 | 7.07 | 7.05 | 7.03 | 7.01 | 6.99 | 6.97 | 6.95 | 6.94 | 6.92 |
| P1 | 9 | 634 | 6.91 | 6.90 | 6.89 | 6.88 | 6.87 | 6.86 | 6.86 | 6.85 | 6.85 | 6.85 |
| P1 | 9 | 644 | 6.85 | 6.85 | 6.85 | 6.86 | 6.86 | 6.87 | 6.88 | 6.89 | 6.90 | 6.92 |
| P1 | 9 | 654 | 6.93 | 6.95 | 6.97 | 6.99 | 7.01 | 7.04 | 7.06 | 7.09 | 7.12 | 7.16 |
| P1 | 9 | 664 | 7.19 | 7.23 | 7.27 | 7.31 | 7.35 | 7.40 | | | | |
| PT | 2 | 123 | 6.50 | 6.45 | 6.40 | 6.36 | 6.31 | 6.26 | 6.21 | 6.17 | 6.12 | 6.07 |
| PT | 2 | 133 | 6.03 | 5.98 | 5.94 | 5.89 | 5.85 | 5.80 | 5.76 | 5.71 | 5.67 | 5.63 |
| PT | 2 | 143 | 5.58 | 5.54 | 5.50 | 5.46 | 5.41 | 5.37 | 5.33 | 5.29 | 5.25 | 5.21 |
| PT | 2 | 153 | 5.17 | 5.13 | 5.09 | 5.05 | 5.01 | 4.97 | 4.93 | 4.89 | 4.85 | 4.81 |
| PT | 2 | 163 | 4.77 | 4.74 | 4.70 | 4.66 | 4.62 | 4.59 | 4.55 | 4.51 | 4.48 | 4.44 |
| PT | 2 | 173 | 4.41 | 4.37 | 4.34 | 4.30 | 4.26 | 4.23 | 4.20 | 4.16 | 4.13 | 4.09 |
| PT | 2 | 183 | 4.06 | 4.03 | 3.99 | 3.96 | 3.93 | 3.89 | 3.86 | 3.83 | 3.80 | 3.76 |
| PT | 2 | 193 | 5.48 | 5.45 | 6.02 | 5.99 | 5.97 | 5.94 | 5.92 | 5.90 | 5.87 | 5.85 |
| EP | 5 | 280 | 3.76 | 3.66 | 3.57 | 3.48 | 3.41 | 3.34 | 3.27 | 3.22 | 3.16 | 3.11 |
| EP | 5 | 290 | 3.07 | 3.02 | 2.98 | 2.95 | 2.91 | 2.88 | 2.85 | 2.82 | 2.79 | 2.77 |
| EP | 5 | 300 | 2.74 | 2.72 | 5.07 | 4.94 | 4.82 | 4.70 | 4.59 | 4.48 | 4.38 | 4.28 |
| EP | 5 | 310 | 4.19 | 4.10 | 4.01 | 3.93 | 3.85 | 3.78 | 3.70 | 3.63 | 3.57 | 4.52 |
| EP | 5 | 320 | 4.43 | 4.34 | 4.25 | 4.17 | 4.09 | 4.01 | 3.94 | 3.87 | 3.80 | 3.73 |
| EP | 5 | 330 | 3.66 | 3.60 | 3.54 | 3.69 | 3.63 | 3.57 | 3.52 | 3.46 | 3.41 | 3.36 |
| EP | 5 | 340 | 3.74 | 3.69 | 3.63 | 3.57 | 3.52 | 3.47 | 3.41 | 3.37 | 3.32 | 3.27 |
| EP | 5 | 350 | 3.23 | 3.18 | 3.14 | 3.10 | 3.06 | 3.02 | 2.98 | 2.94 | 5.44 | 5.36 |
| EP | 5 | 360 | 5.28 | 5.20 | 5.12 | 5.04 | 4.97 | 4.89 | 4.82 | 4.75 | 4.68 | 4.61 |
| EP | 5 | 370 | 4.54 | 4.47 | 4.41 | 4.34 | 4.28 | 4.22 | 4.16 | 4.10 | 4.04 | 3.98 |
| EP | 5 | 380 | 3.93 | 3.87 | 3.82 | 3.76 | 3.71 | 3.66 | 3.61 | 3.56 | 3.52 | |
| AC | 7 | 487 | 7.36 | 7.01 | 6.70 | 6.43 | 6.17 | 5.93 | 5.70 | 5.49 | 5.29 | 5.10 |
| AC | 7 | 497 | 4.92 | 4.76 | 4.49 | 4.36 | 4.24 | 4.12 | 4.02 | 3.92 | 3.82 | 3.73 |
| AC | 7 | 507 | 3.65 | 3.57 | 3.50 | 3.43 | 3.36 | 3.30 | 3.24 | 3.19 | 3.14 | 3.09 |
| AC | 7 | 517 | 3.05 | 3.00 | 2.96 | 2.93 | 2.89 | 2.86 | 2.83 | 2.80 | 2.77 | 2.75 |
| AC | 7 | 527 | 2.72 | 2.70 | 2.68 | 2.66 | 2.64 | 2.62 | 2.61 | 2.59 | 2.58 | 2.56 |
| AC | 7 | 537 | 2.55 | 2.54 | 2.53 | 2.52 | 2.51 | 2.50 | 2.49 | 2.48 | 2.47 | 4.83 |
| AC | 7 | 547 | 4.69 | 4.57 | 4.45 | 4.34 | 4.23 | 4.13 | 4.03 | 3.94 | 3.86 | 3.78 |
| AC | 7 | 557 | 3.70 | 3.63 | 3.56 | 3.50 | | | | | | |

INTERMEDIATE REPORT
Biochemical Oxygen Demand
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 4.45 | 4.30 | 4.15 | 4.01 | 3.87 | 3.73 | 3.60 | 3.48 | 3.36 | 3.24 |
| P6 | 1 | 11 | 3.12 | 3.01 | 2.91 | 2.81 | 2.71 | 2.61 | 2.52 | 2.44 | 2.35 | 2.27 |
| P6 | 1 | 21 | 2.16 | 2.08 | 2.00 | 1.93 | 1.86 | 1.80 | 1.73 | 1.67 | 1.61 | 1.56 |
| P6 | 1 | 31 | 1.50 | 1.45 | 1.40 | 1.35 | 1.31 | 1.26 | 1.22 | 1.18 | 1.14 | 1.10 |
| P6 | 1 | 41 | 1.07 | 6.79 | 6.55 | 6.31 | 6.07 | 5.84 | 5.60 | 5.38 | 5.15 | 4.93 |
| P6 | 1 | 51 | 4.72 | 4.51 | 4.30 | 4.11 | 3.91 | 3.73 | 3.55 | 3.37 | 3.21 | 3.05 |
| P6 | 1 | 61 | 2.89 | 2.74 | 2.60 | 2.46 | 2.32 | 2.20 | 2.07 | 1.96 | 1.85 | 1.74 |
| P6 | 1 | 71 | 1.63 | 1.54 | 1.44 | 1.35 | 1.27 | 1.18 | 1.11 | 1.03 | 0.96 | 0.89 |
| P6 | 1 | 81 | 0.83 | 5.32 | 5.14 | 4.97 | 4.80 | 4.63 | 4.47 | 4.30 | 4.14 | 3.99 |
| P6 | 1 | 91 | 3.83 | 3.68 | 6.30 | 6.11 | 5.93 | 5.74 | 5.56 | 5.39 | 5.21 | 5.04 |
| P6 | 1 | 101 | 4.87 | 4.71 | 4.54 | 4.38 | 4.23 | 4.08 | 3.93 | 3.78 | 3.64 | 3.50 |
| P6 | 1 | 111 | 3.36 | 3.23 | 3.10 | 2.97 | 2.85 | 2.73 | 2.61 | 2.50 | 2.39 | 2.28 |
| P6 | 1 | 121 | 2.18 | 2.08 | | | | | | | | |
| P5 | 3 | 203 | 4.26 | 4.19 | 4.13 | 4.06 | 4.00 | 3.94 | 3.89 | 3.84 | 3.79 | 3.74 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P5 | 3 | 213 | 3.97 | 3.92 | 3.87 | 3.82 | 3.78 | 3.74 | 3.69 | 3.92 | 3.87 | 3.83 |
| P5 | 3 | 223 | 3.79 | 3.75 | 3.71 | 3.68 | 3.64 | 3.64 | 3.61 | 3.57 | 3.54 | 3.51 |
| P5 | 3 | 233 | 3.48 | 3.45 | 3.43 | 4.33 | 4.29 | 4.25 | 3.58 | | | |
| P4 | 4 | 240 | 2.48 | 2.49 | 2.51 | 2.53 | 2.56 | 2.58 | 2.60 | 2.63 | 2.66 | 2.69 |
| P4 | 4 | 250 | 2.72 | 2.75 | 2.79 | 2.82 | 2.86 | 2.91 | 2.95 | 3.00 | 3.06 | 3.12 |
| P4 | 4 | 260 | 3.18 | 3.24 | 3.32 | 3.39 | 3.48 | 3.57 | 3.67 | 3.77 | 3.89 | 4.02 |
| P4 | 4 | 270 | 4.16 | 4.31 | 4.48 | 4.67 | 4.88 | 5.11 | 5.38 | 5.67 | 4.02 | 4.26 |
| P3 | 6 | 389 | 4.54 | 5.51 | 6.12 | 6.54 | 6.99 | 7.20 | 7.37 | 7.51 | 7.63 | 7.72 |
| P3 | 6 | 399 | 7.80 | 7.87 | 7.93 | 7.99 | 8.03 | 8.07 | 8.11 | 8.15 | 8.18 | 8.20 |
| P3 | 6 | 409 | 8.23 | 8.25 | 8.28 | 8.30 | 8.31 | 8.33 | 8.35 | 8.36 | 8.38 | 8.39 |
| P3 | 6 | 419 | 8.40 | 8.41 | 8.42 | 8.43 | 8.44 | 8.45 | 8.46 | 8.47 | 8.48 | 8.55 |
| P3 | 6 | 429 | 8.55 | 8.56 | 8.56 | 8.57 | 8.57 | 8.58 | 8.58 | 8.59 | 8.59 | 8.59 |
| P3 | 6 | 439 | 8.60 | 8.60 | 8.60 | 8.61 | 8.61 | 8.61 | 8.62 | 8.62 | 8.62 | 8.62 |
| P3 | 6 | 449 | 8.63 | 8.63 | 8.63 | 8.67 | 8.67 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 |
| P3 | 6 | 459 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.69 | 8.69 | 8.69 | 8.69 | 8.69 |
| P3 | 6 | 469 | 8.69 | 8.69 | 8.69 | 8.69 | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 |
| P3 | 6 | 479 | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.62 | | |
| P2 | 8 | 561 | 8.58 | 8.57 | 8.56 | 8.55 | 8.54 | 8.54 | 8.52 | 8.50 | 8.49 | 8.47 |
| P2 | 8 | 571 | 8.45 | 8.43 | 8.42 | 8.40 | 8.38 | 8.37 | 8.35 | 8.33 | 8.32 | 8.30 |
| P2 | 8 | 581 | 8.28 | 8.27 | 8.25 | 8.23 | 8.21 | 8.18 | 8.15 | 8.12 | 8.09 | 8.05 |
| P2 | 8 | 591 | 8.00 | 7.94 | 7.88 | 7.80 | 7.71 | 7.60 | 7.47 | 7.32 | 7.12 | 6.89 |
| P2 | 8 | 601 | 6.60 | 6.24 | 5.81 | | | | | | | |
| P1 | 9 | 604 | 5.73 | 5.69 | 5.65 | 5.60 | 5.57 | 5.53 | 5.49 | 5.45 | 5.42 | 5.38 |
| P1 | 9 | 614 | 5.35 | 5.32 | 5.28 | 5.25 | 5.22 | 5.19 | 5.17 | 5.14 | 5.11 | 5.09 |
| P1 | 9 | 624 | 5.06 | 5.04 | 5.02 | 5.00 | 4.98 | 4.96 | 4.94 | 4.92 | 4.91 | 4.90 |
| P1 | 9 | 634 | 4.88 | 4.87 | 4.86 | 4.85 | 4.84 | 4.84 | 4.83 | 4.83 | 4.82 | 4.82 |
| P1 | 9 | 644 | 4.82 | 4.82 | 4.83 | 4.83 | 4.84 | 4.84 | 4.85 | 4.86 | 4.87 | 4.89 |
| P1 | 9 | 654 | 4.90 | 4.92 | 4.94 | 4.96 | 4.98 | 5.01 | 5.03 | 5.06 | 5.09 | 5.13 |
| P1 | 9 | 664 | 5.16 | 5.20 | 5.24 | 5.28 | 5.32 | 5.37 | | | | |
| PT | 2 | 123 | 5.87 | 5.82 | 5.78 | 5.74 | 5.70 | 5.66 | 5.61 | 5.57 | 5.53 | 5.49 |
| PT | 2 | 133 | 5.45 | 5.41 | 5.37 | 5.33 | 5.30 | 5.26 | 5.22 | 5.18 | 5.14 | 5.11 |
| PT | 2 | 143 | 5.07 | 5.03 | 5.00 | 4.96 | 4.92 | 4.89 | 4.85 | 4.82 | 4.78 | 4.75 |
| PT | 2 | 153 | 4.71 | 4.68 | 4.64 | 4.61 | 4.58 | 4.54 | 4.51 | 4.48 | 4.44 | 4.41 |
| PT | 2 | 163 | 4.38 | 4.35 | 4.32 | 4.29 | 4.25 | 4.22 | 4.19 | 4.16 | 4.13 | 4.10 |
| PT | 2 | 173 | 4.07 | 4.04 | 4.01 | 3.98 | 3.95 | 3.93 | 3.90 | 3.87 | 3.84 | 3.81 |
| PT | 2 | 183 | 3.78 | 3.76 | 3.73 | 3.70 | 3.68 | 3.65 | 3.62 | 3.60 | 3.57 | 3.54 |
| PT | 2 | 193 | 5.26 | 5.24 | 5.81 | 5.80 | 5.78 | 5.76 | 5.74 | 5.72 | 5.71 | 5.69 |
| EP | 5 | 280 | 3.23 | 3.13 | 3.04 | 2.96 | 2.89 | 2.82 | 2.76 | 2.70 | 2.65 | 2.61 |
| EP | 5 | 290 | 2.56 | 2.52 | 2.48 | 2.45 | 2.42 | 2.39 | 2.36 | 2.33 | 2.31 | 2.29 |
| EP | 5 | 300 | 2.27 | 2.25 | 4.59 | 4.47 | 4.35 | 4.24 | 4.13 | 4.02 | 3.92 | 3.83 |
| EP | 5 | 310 | 3.74 | 3.65 | 3.57 | 3.49 | 3.41 | 3.34 | 3.27 | 3.20 | 3.14 | 4.09 |
| EP | 5 | 320 | 4.00 | 3.92 | 3.83 | 3.75 | 3.68 | 3.60 | 3.53 | 3.46 | 3.39 | 3.33 |
| EP | 5 | 330 | 3.27 | 3.21 | 3.15 | 3.31 | 3.25 | 3.19 | 3.14 | 3.08 | 3.03 | 2.98 |
| EP | 5 | 340 | 3.37 | 3.32 | 3.26 | 3.21 | 3.16 | 3.11 | 3.06 | 3.01 | 2.97 | 2.93 |
| EP | 5 | 350 | 2.88 | 2.84 | 2.80 | 2.76 | 2.73 | 2.69 | 2.66 | 2.62 | 5.12 | 5.04 |
| EP | 5 | 360 | 4.96 | 4.89 | 4.81 | 4.73 | 4.66 | 4.59 | 4.52 | 4.45 | 4.38 | 4.32 |
| EP | 5 | 370 | 4.25 | 4.19 | 4.12 | 4.06 | 4.00 | 3.94 | 3.88 | 3.83 | 3.77 | 3.72 |
| EP | 5 | 380 | 3.66 | 3.61 | 3.56 | 3.51 | 3.46 | 3.41 | 3.37 | 3.32 | 3.28 | |
| AC | 7 | 487 | 5.01 | 4.66 | 4.35 | 4.08 | 3.82 | 3.58 | 3.35 | 3.14 | 2.94 | 2.75 |
| AC | 7 | 497 | 2.58 | 2.41 | 2.14 | 2.01 | 1.89 | 1.77 | 1.67 | 1.57 | 1.47 | 1.38 |
| AC | 7 | 507 | 1.30 | 1.22 | 1.15 | 1.08 | 1.01 | 0.95 | 0.89 | 0.84 | 0.79 | 0.74 |
| AC | 7 | 517 | 0.70 | 0.65 | 0.61 | 0.58 | 0.54 | 0.51 | 0.48 | 0.45 | 0.42 | 0.40 |
| AC | 7 | 527 | 0.37 | 0.35 | 0.33 | 0.31 | 0.29 | 0.27 | 0.26 | 0.24 | 0.23 | 0.21 |
| AC | 7 | 537 | 0.20 | 0.19 | 0.18 | 0.17 | 0.16 | 0.15 | 0.14 | 0.13 | 0.12 | 2.48 |
| AC | 7 | 547 | 2.34 | 2.22 | 2.10 | 1.99 | 1.88 | 1.78 | 1.68 | 1.59 | 1.51 | 1.43 |
| AC | 7 | 557 | 1.35 | 1.28 | 1.21 | 1.15 | | | | | | |

INTERMEDIATE REPORT
Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 |
| P6 | 1 | 11 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 |
| P6 | 1 | 21 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P6 | 1 | 31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 |
| P6 | 1 | 41 | 0.30 | 0.67 | 0.66 | 0.66 | 0.66 | 0.66 | 0.65 | 0.65 | 0.65 | 0.65 |
| P6 | 1 | 51 | 0.65 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.63 | 0.63 | 0.63 | 0.63 |
| P6 | 1 | 61 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 |
| P6 | 1 | 71 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 |
| P6 | 1 | 81 | 0.58 | 0.80 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.78 |
| P6 | 1 | 91 | 0.78 | 0.78 | 0.90 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 |
| P6 | 1 | 101 | 0.88 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.86 | 0.86 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 111 | 0.86 | 0.86 | 0.86 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.84 | 0.84 |
| P6 | 1 | 121 | 0.84 | 0.84 | | | | | | | | |
| P5 | 3 | 203 | 0.87 | 0.87 | 0.86 | 0.85 | 0.85 | 0.84 | 0.83 | 0.83 | 0.82 | 0.82 |
| P5 | 3 | 213 | 0.82 | 0.82 | 0.81 | 0.81 | 0.81 | 0.80 | 0.80 | 0.81 | 0.80 | 0.80 |
| P5 | 3 | 223 | 0.79 | 0.79 | 0.79 | 0.78 | 0.78 | 0.78 | 0.77 | 0.77 | 0.77 | 0.76 |
| P5 | 3 | 233 | 0.76 | 0.76 | 0.76 | 0.78 | 0.78 | 0.78 | 0.69 | | | |
| P4 | 4 | 240 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| P4 | 4 | 250 | 0.55 | 0.55 | 0.55 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 |
| P4 | 4 | 260 | 0.56 | 0.56 | 0.56 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 |
| P4 | 4 | 270 | 0.58 | 0.58 | 0.58 | 0.58 | 0.59 | 0.59 | 0.59 | 0.60 | 0.48 | 0.48 |
| P3 | 6 | 389 | 0.47 | 0.43 | 0.41 | 0.39 | 0.39 | 0.38 | 0.37 | 0.36 | 0.36 | 0.35 |
| P3 | 6 | 399 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 |
| P3 | 6 | 409 | 0.33 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P3 | 6 | 419 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P3 | 6 | 429 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P3 | 6 | 439 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P3 | 6 | 449 | 0.32 | 0.31 | 0.31 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P3 | 6 | 459 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P3 | 6 | 469 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| P3 | 6 | 479 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | | |
| P2 | 8 | 561 | 0.31 | 0.31 | 0.31 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P2 | 8 | 571 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P2 | 8 | 581 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P2 | 8 | 591 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| P2 | 8 | 601 | 0.32 | 0.32 | 0.32 | | | | | | | |
| P1 | 9 | 604 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.33 | 0.33 | 0.33 |
| P1 | 9 | 614 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| P1 | 9 | 624 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| P1 | 9 | 634 | 0.33 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| P1 | 9 | 644 | 0.34 | 0.34 | 0.34 | 0.34 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| P1 | 9 | 654 | 0.35 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.37 |
| P1 | 9 | 664 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.38 | | | | |
| PT | 2 | 123 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| PT | 2 | 133 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.11 | 1.11 |
| PT | 2 | 143 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| PT | 2 | 153 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| PT | 2 | 163 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 |
| PT | 2 | 173 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.08 |
| PT | 2 | 183 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 |
| PT | 2 | 193 | 1.14 | 1.14 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 |
| EP | 5 | 280 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| EP | 5 | 290 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| EP | 5 | 300 | 0.30 | 0.30 | 0.46 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 |
| EP | 5 | 310 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.48 |
| EP | 5 | 320 | 0.48 | 0.47 | 0.47 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.45 |
| EP | 5 | 330 | 0.45 | 0.45 | 0.45 | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 | 0.45 |
| EP | 5 | 340 | 0.47 | 0.47 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 |
| EP | 5 | 350 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.58 | 0.57 |
| EP | 5 | 360 | 0.57 | 0.57 | 0.57 | 0.57 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.55 |
| EP | 5 | 370 | 0.55 | 0.55 | 0.55 | 0.55 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| EP | 5 | 380 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.52 | 0.52 | 0.52 | |
| AC | 7 | 487 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 |
| AC | 7 | 497 | 0.14 | 0.14 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 |
| AC | 7 | 507 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.11 | 0.11 | 0.11 | 0.11 |
| AC | 7 | 517 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 |
| AC | 7 | 527 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 |
| AC | 7 | 537 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.26 |
| AC | 7 | 547 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |
| AC | 7 | 557 | 0.24 | 0.23 | 0.23 | 0.23 | | | | | | |

INTERMEDIATE REPORT
Effective Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 |
| P6 | 1 | 11 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| P6 | 1 | 21 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| P6 | 1 | 31 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.31 |
| P6 | 1 | 41 | 0.31 | 0.68 | 0.68 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.66 | 0.66 |
| P6 | 1 | 51 | 0.66 | 0.66 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.64 | 0.64 | 0.64 |
| P6 | 1 | 61 | 0.64 | 0.64 | 0.63 | 0.63 | 0.63 | 0.63 | 0.62 | 0.62 | 0.62 | 0.62 |
| P6 | 1 | 71 | 0.62 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.60 | 0.60 | 0.60 | 0.60 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 81 | 0.60 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.80 | 0.80 | 0.80 | 0.80 |
| P6 | 1 | 91 | 0.79 | 0.79 | 0.91 | 0.91 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.89 |
| P6 | 1 | 101 | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.87 |
| P6 | 1 | 111 | 0.87 | 0.87 | 0.87 | 0.87 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.85 |
| P6 | 1 | 121 | 0.85 | 0.85 | | | | | | | | |
| P5 | 3 | 203 | 0.90 | 0.90 | 0.90 | 0.90 | 0.91 | 0.91 | 0.91 | 0.92 | 0.92 | 0.92 |
| P5 | 3 | 213 | 0.94 | 0.94 | 0.95 | 0.95 | 0.96 | 0.96 | 0.97 | 0.99 | 0.99 | 1.00 |
| P5 | 3 | 223 | 1.00 | 1.01 | 1.01 | 1.02 | 1.02 | 1.03 | 1.04 | 1.04 | 1.05 | 1.06 |
| P5 | 3 | 233 | 1.06 | 1.07 | 1.08 | 1.11 | 1.12 | 1.12 | 1.05 | | | |
| P4 | 4 | 240 | 0.90 | 0.89 | 0.88 | 0.87 | 0.86 | 0.86 | 0.85 | 0.84 | 0.83 | 0.83 |
| P4 | 4 | 250 | 0.82 | 0.81 | 0.80 | 0.79 | 0.79 | 0.78 | 0.77 | 0.76 | 0.76 | 0.75 |
| P4 | 4 | 260 | 0.74 | 0.73 | 0.73 | 0.72 | 0.71 | 0.71 | 0.70 | 0.69 | 0.68 | 0.68 |
| P4 | 4 | 270 | 0.67 | 0.67 | 0.66 | 0.65 | 0.65 | 0.64 | 0.64 | 0.63 | 0.51 | 0.49 |
| P3 | 6 | 389 | 0.49 | 0.46 | 0.43 | 0.42 | 0.42 | 0.41 | 0.40 | 0.40 | 0.39 | 0.39 |
| P3 | 6 | 399 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| P3 | 6 | 409 | 0.38 | 0.38 | 0.38 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| P3 | 6 | 419 | 0.39 | 0.39 | 0.39 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.41 |
| P3 | 6 | 429 | 0.41 | 0.41 | 0.41 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P3 | 6 | 439 | 0.42 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.44 | 0.44 |
| P3 | 6 | 449 | 0.44 | 0.44 | 0.44 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.46 |
| P3 | 6 | 459 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| P3 | 6 | 469 | 0.47 | 0.47 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 |
| P3 | 6 | 479 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.50 | 0.50 | 0.50 | | |
| P2 | 8 | 561 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| P2 | 8 | 571 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| P2 | 8 | 581 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| P2 | 8 | 591 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 | 0.48 |
| P2 | 8 | 601 | 0.48 | 0.48 | 0.49 | | | | | | | |
| P1 | 9 | 604 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| P1 | 9 | 614 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| P1 | 9 | 624 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| P1 | 9 | 634 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| P1 | 9 | 644 | 0.50 | 0.50 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| P1 | 9 | 654 | 0.51 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.53 | 0.53 |
| P1 | 9 | 664 | 0.53 | 0.53 | 0.53 | 0.53 | 0.54 | 0.54 | | | | |
| PT | 2 | 123 | 1.18 | 1.18 | 1.18 | 1.18 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| PT | 2 | 133 | 1.17 | 1.17 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| PT | 2 | 143 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 |
| PT | 2 | 153 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.13 | 1.13 | 1.13 | 1.13 |
| PT | 2 | 163 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| PT | 2 | 173 | 1.12 | 1.12 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| PT | 2 | 183 | 1.11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| PT | 2 | 193 | 1.16 | 1.16 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| EP | 5 | 280 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| EP | 5 | 290 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| EP | 5 | 300 | 0.33 | 0.33 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 | 0.47 | 0.47 |
| EP | 5 | 310 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 | 0.51 |
| EP | 5 | 320 | 0.51 | 0.51 | 0.50 | 0.50 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 |
| EP | 5 | 330 | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 | 0.48 |
| EP | 5 | 340 | 0.50 | 0.50 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.48 |
| EP | 5 | 350 | 0.48 | 0.48 | 0.48 | 0.48 | 0.47 | 0.47 | 0.47 | 0.47 | 0.60 | 0.60 |
| EP | 5 | 360 | 0.60 | 0.60 | 0.59 | 0.59 | 0.59 | 0.59 | 0.58 | 0.58 | 0.58 | 0.58 |
| EP | 5 | 370 | 0.58 | 0.57 | 0.57 | 0.57 | 0.57 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 |
| EP | 5 | 380 | 0.56 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.54 | 0.54 | 0.54 | |
| AC | 7 | 487 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| AC | 7 | 497 | 0.33 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| AC | 7 | 507 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| AC | 7 | 517 | 0.30 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| AC | 7 | 527 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| AC | 7 | 537 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.27 | 0.27 | 0.44 |
| AC | 7 | 547 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 |
| AC | 7 | 557 | 0.42 | 0.42 | 0.42 | 0.42 | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.08 | 0.07 | 0.06 | 0.06 | 0.05 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 |
| P6 | 1 | 11 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| P6 | 1 | 21 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| P6 | 1 | 31 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| P6 | 1 | 41 | 0.01 | 0.83 | 0.75 | 0.67 | 0.61 | 0.55 | 0.50 | 0.45 | 0.41 | 0.37 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 51 | 0.33 | 0.30 | 0.27 | 0.25 | 0.23 | 0.20 | 0.19 | 0.17 | 0.15 | 0.14 |
| P6 | 1 | 61 | 0.13 | 0.12 | 0.11 | 0.10 | 0.09 | 0.08 | 0.08 | 0.07 | 0.07 | 0.06 |
| P6 | 1 | 71 | 0.06 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 |
| P6 | 1 | 81 | 0.03 | 0.67 | 0.62 | 0.57 | 0.52 | 0.48 | 0.45 | 0.41 | 0.38 | 0.35 |
| P6 | 1 | 91 | 0.33 | 0.30 | 0.70 | 0.65 | 0.60 | 0.56 | 0.53 | 0.49 | 0.46 | 0.43 |
| P6 | 1 | 101 | 0.40 | 0.37 | 0.35 | 0.33 | 0.31 | 0.29 | 0.27 | 0.25 | 0.23 | 0.22 |
| P6 | 1 | 111 | 0.21 | 0.19 | 0.18 | 0.17 | 0.16 | 0.15 | 0.14 | 0.13 | 0.13 | 0.12 |
| P6 | 1 | 121 | 0.11 | 0.11 | | | | | | | | |
| P5 | 3 | 203 | 0.26 | 0.25 | 0.25 | 0.24 | 0.23 | 0.23 | 0.22 | 0.21 | 0.21 | 0.20 |
| P5 | 3 | 213 | 0.24 | 0.24 | 0.23 | 0.22 | 0.22 | 0.21 | 0.21 | 0.24 | 0.24 | 0.23 |
| P5 | 3 | 223 | 0.23 | 0.22 | 0.22 | 0.21 | 0.21 | 0.21 | 0.21 | 0.20 | 0.20 | 0.19 |
| P5 | 3 | 233 | 0.19 | 0.19 | 0.18 | 0.34 | 0.33 | 0.32 | 0.22 | | | |
| P4 | 4 | 240 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 |
| P4 | 4 | 250 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.09 | 0.09 |
| P4 | 4 | 260 | 0.10 | 0.10 | 0.11 | 0.12 | 0.13 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 |
| P4 | 4 | 270 | 0.20 | 0.22 | 0.24 | 0.26 | 0.29 | 0.32 | 0.36 | 0.40 | 0.10 | 0.12 |
| P3 | 6 | 389 | 0.14 | 0.12 | 0.12 | 0.11 | 0.14 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 |
| P3 | 6 | 399 | 0.12 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 |
| P3 | 6 | 409 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| P3 | 6 | 419 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 |
| P3 | 6 | 429 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| P3 | 6 | 439 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 |
| P3 | 6 | 449 | 0.10 | 0.10 | 0.10 | 0.12 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| P3 | 6 | 459 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| P3 | 6 | 469 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| P3 | 6 | 479 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | | |
| P2 | 8 | 561 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| P2 | 8 | 571 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| P2 | 8 | 581 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 |
| P2 | 8 | 591 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 |
| P2 | 8 | 601 | 0.06 | 0.06 | 0.05 | | | | | | | |
| P1 | 9 | 604 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| P1 | 9 | 614 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 |
| P1 | 9 | 624 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| P1 | 9 | 634 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| P1 | 9 | 644 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| P1 | 9 | 654 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| P1 | 9 | 664 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | | | | |
| PT | 2 | 123 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| PT | 2 | 133 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| PT | 2 | 143 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| PT | 2 | 153 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| PT | 2 | 163 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| PT | 2 | 173 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| PT | 2 | 183 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| PT | 2 | 193 | 0.04 | 0.04 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 |
| EP | 5 | 280 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| EP | 5 | 290 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| EP | 5 | 300 | 0.02 | 0.02 | 0.38 | 0.35 | 0.33 | 0.30 | 0.28 | 0.26 | 0.24 | 0.22 |
| EP | 5 | 310 | 0.21 | 0.19 | 0.18 | 0.17 | 0.16 | 0.15 | 0.14 | 0.13 | 0.12 | 0.27 |
| EP | 5 | 320 | 0.26 | 0.24 | 0.22 | 0.21 | 0.20 | 0.19 | 0.18 | 0.17 | 0.16 | 0.15 |
| EP | 5 | 330 | 0.14 | 0.13 | 0.12 | 0.15 | 0.14 | 0.13 | 0.13 | 0.12 | 0.11 | 0.11 |
| EP | 5 | 340 | 0.17 | 0.16 | 0.16 | 0.15 | 0.14 | 0.13 | 0.13 | 0.12 | 0.11 | 0.11 |
| EP | 5 | 350 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.49 | 0.47 |
| EP | 5 | 360 | 0.45 | 0.43 | 0.41 | 0.40 | 0.38 | 0.37 | 0.35 | 0.34 | 0.32 | 0.31 |
| EP | 5 | 370 | 0.30 | 0.29 | 0.28 | 0.26 | 0.25 | 0.24 | 0.24 | 0.23 | 0.22 | 0.21 |
| EP | 5 | 380 | 0.20 | 0.19 | 0.19 | 0.18 | 0.17 | 0.17 | 0.16 | 0.16 | 0.15 | |
| AC | 7 | 487 | 0.12 | 0.09 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| AC | 7 | 497 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 507 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 517 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 527 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 537 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 |
| AC | 7 | 547 | 0.22 | 0.17 | 0.13 | 0.10 | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 |
| AC | 7 | 557 | 0.02 | 0.02 | 0.01 | 0.01 | | | | | | |

INTERMEDIATE REPORT
Nitrate+Nitrite Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| P6 | 1 | 11 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 21 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 |
| P6 | 1 | 31 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| P6 | 1 | 41 | 0.01 | 0.66 | 0.71 | 0.75 | 0.78 | 0.81 | 0.82 | 0.84 | 0.84 | 0.84 |
| P6 | 1 | 51 | 0.84 | 0.84 | 0.83 | 0.82 | 0.81 | 0.79 | 0.78 | 0.76 | 0.74 | 0.73 |
| P6 | 1 | 61 | 0.71 | 0.69 | 0.67 | 0.65 | 0.63 | 0.61 | 0.59 | 0.57 | 0.56 | 0.54 |
| P6 | 1 | 71 | 0.52 | 0.50 | 0.48 | 0.47 | 0.45 | 0.43 | 0.42 | 0.40 | 0.39 | 0.37 |
| P6 | 1 | 81 | 0.36 | 0.76 | 0.79 | 0.81 | 0.83 | 0.84 | 0.85 | 0.85 | 0.86 | 0.86 |
| P6 | 1 | 91 | 0.85 | 0.85 | 1.06 | 1.07 | 1.09 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| P6 | 1 | 101 | 1.10 | 1.09 | 1.09 | 1.08 | 1.07 | 1.06 | 1.04 | 1.03 | 1.02 | 1.00 |
| P6 | 1 | 111 | 0.99 | 0.97 | 0.96 | 0.94 | 0.92 | 0.91 | 0.89 | 0.87 | 0.86 | 0.84 |
| P6 | 1 | 121 | 0.82 | 0.80 | | | | | | | | |
| P5 | 3 | 203 | 0.75 | 0.73 | 0.71 | 0.70 | 0.68 | 0.67 | 0.66 | 0.64 | 0.63 | 0.62 |
| P5 | 3 | 213 | 0.63 | 0.61 | 0.60 | 0.59 | 0.58 | 0.57 | 0.56 | 0.56 | 0.55 | 0.54 |
| P5 | 3 | 223 | 0.53 | 0.53 | 0.52 | 0.51 | 0.50 | 0.49 | 0.48 | 0.47 | 0.46 | 0.46 |
| P5 | 3 | 233 | 0.45 | 0.44 | 0.43 | 0.54 | 0.53 | 0.52 | 0.33 | | | |
| P4 | 4 | 240 | 0.00 | 0.01 | 0.02 | 0.03 | 0.04 | 0.06 | 0.07 | 0.08 | 0.09 | 0.11 |
| P4 | 4 | 250 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.19 | 0.20 | 0.22 | 0.23 | 0.25 |
| P4 | 4 | 260 | 0.26 | 0.28 | 0.30 | 0.31 | 0.33 | 0.35 | 0.37 | 0.39 | 0.41 | 0.43 |
| P4 | 4 | 270 | 0.45 | 0.47 | 0.49 | 0.51 | 0.54 | 0.56 | 0.58 | 0.61 | 0.43 | 0.47 |
| P3 | 6 | 389 | 0.51 | 0.48 | 0.46 | 0.44 | 0.45 | 0.44 | 0.43 | 0.43 | 0.42 | 0.42 |
| P3 | 6 | 399 | 0.41 | 0.41 | 0.41 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 |
| P3 | 6 | 409 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| P3 | 6 | 419 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.39 |
| P3 | 6 | 429 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| P3 | 6 | 439 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 |
| P3 | 6 | 449 | 0.38 | 0.38 | 0.38 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| P3 | 6 | 459 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| P3 | 6 | 469 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| P3 | 6 | 479 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | | |
| P2 | 8 | 561 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| P2 | 8 | 571 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| P2 | 8 | 581 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 |
| P2 | 8 | 591 | 0.30 | 0.30 | 0.29 | 0.28 | 0.27 | 0.26 | 0.25 | 0.23 | 0.21 | 0.19 |
| P2 | 8 | 601 | 0.16 | 0.12 | 0.08 | | | | | | | |
| P1 | 9 | 604 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 |
| P1 | 9 | 614 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| P1 | 9 | 624 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 634 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 644 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 654 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 |
| P1 | 9 | 664 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | | | | |
| PT | 2 | 123 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 |
| PT | 2 | 133 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PT | 2 | 143 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PT | 2 | 153 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PT | 2 | 163 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PT | 2 | 173 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PT | 2 | 183 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PT | 2 | 193 | 0.00 | 0.00 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 |
| EP | 5 | 280 | 0.08 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 |
| EP | 5 | 290 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| EP | 5 | 300 | 0.01 | 0.01 | 0.30 | 0.31 | 0.31 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| EP | 5 | 310 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.29 | 0.28 | 0.39 |
| EP | 5 | 320 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 | 0.36 | 0.36 | 0.35 |
| EP | 5 | 330 | 0.35 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.32 | 0.32 | 0.31 |
| EP | 5 | 340 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 | 0.33 | 0.33 | 0.32 | 0.32 | 0.31 |
| EP | 5 | 350 | 0.31 | 0.31 | 0.30 | 0.30 | 0.29 | 0.29 | 0.28 | 0.28 | 0.64 | 0.64 |
| EP | 5 | 360 | 0.64 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.64 | 0.64 | 0.64 |
| EP | 5 | 370 | 0.64 | 0.63 | 0.63 | 0.63 | 0.62 | 0.62 | 0.61 | 0.61 | 0.61 | 0.60 |
| EP | 5 | 380 | 0.60 | 0.59 | 0.58 | 0.58 | 0.57 | 0.57 | 0.56 | 0.56 | 0.55 | |
| AC | 7 | 487 | 0.14 | 0.09 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 497 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 507 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 517 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 527 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 537 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 547 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 557 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT
Total Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.52 | 0.51 | 0.51 | 0.50 | 0.49 | 0.48 | 0.48 | 0.47 | 0.46 | 0.46 |
| P6 | 1 | 11 | 0.45 | 0.44 | 0.44 | 0.43 | 0.42 | 0.42 | 0.41 | 0.41 | 0.40 | 0.40 |
| P6 | 1 | 21 | 0.41 | 0.41 | 0.40 | 0.40 | 0.39 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 |
| P6 | 1 | 31 | 0.36 | 0.36 | 0.35 | 0.35 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 |
| P6 | 1 | 41 | 0.32 | 2.15 | 2.12 | 2.09 | 2.05 | 2.01 | 1.98 | 1.94 | 1.90 | 1.86 |
| P6 | 1 | 51 | 1.82 | 1.78 | 1.74 | 1.71 | 1.67 | 1.63 | 1.60 | 1.56 | 1.53 | 1.49 |
| P6 | 1 | 61 | 1.46 | 1.43 | 1.40 | 1.37 | 1.34 | 1.31 | 1.28 | 1.26 | 1.23 | 1.20 |
| P6 | 1 | 71 | 1.18 | 1.16 | 1.13 | 1.11 | 1.09 | 1.07 | 1.05 | 1.03 | 1.01 | 0.99 |
| P6 | 1 | 81 | 0.98 | 2.24 | 2.21 | 2.18 | 2.15 | 2.12 | 2.08 | 2.05 | 2.02 | 1.99 |
| P6 | 1 | 91 | 1.96 | 1.93 | 2.65 | 2.62 | 2.58 | 2.55 | 2.52 | 2.48 | 2.45 | 2.41 |
| P6 | 1 | 101 | 2.38 | 2.34 | 2.31 | 2.28 | 2.24 | 2.21 | 2.18 | 2.15 | 2.12 | 2.08 |
| P6 | 1 | 111 | 2.05 | 2.02 | 1.99 | 1.96 | 1.94 | 1.91 | 1.88 | 1.85 | 1.83 | 1.80 |
| P6 | 1 | 121 | 1.77 | 1.75 | | | | | | | | |
| P5 | 3 | 203 | 1.88 | 1.85 | 1.82 | 1.79 | 1.76 | 1.74 | 1.71 | 1.69 | 1.66 | 1.64 |
| P5 | 3 | 213 | 1.69 | 1.67 | 1.65 | 1.63 | 1.60 | 1.58 | 1.56 | 1.61 | 1.59 | 1.58 |
| P5 | 3 | 223 | 1.56 | 1.54 | 1.52 | 1.50 | 1.48 | 1.48 | 1.46 | 1.44 | 1.43 | 1.41 |
| P5 | 3 | 233 | 1.40 | 1.38 | 1.37 | 1.66 | 1.64 | 1.62 | 1.23 | | | |
| P4 | 4 | 240 | 0.59 | 0.60 | 0.61 | 0.63 | 0.64 | 0.66 | 0.67 | 0.68 | 0.70 | 0.72 |
| P4 | 4 | 250 | 0.73 | 0.75 | 0.76 | 0.78 | 0.80 | 0.82 | 0.84 | 0.86 | 0.88 | 0.90 |
| P4 | 4 | 260 | 0.92 | 0.95 | 0.97 | 1.00 | 1.02 | 1.05 | 1.08 | 1.11 | 1.15 | 1.18 |
| P4 | 4 | 270 | 1.22 | 1.26 | 1.31 | 1.36 | 1.41 | 1.47 | 1.53 | 1.60 | 1.02 | 1.06 |
| P3 | 6 | 389 | 1.12 | 1.03 | 0.98 | 0.95 | 0.98 | 0.95 | 0.93 | 0.91 | 0.90 | 0.89 |
| P3 | 6 | 399 | 0.88 | 0.87 | 0.86 | 0.86 | 0.85 | 0.84 | 0.84 | 0.84 | 0.83 | 0.83 |
| P3 | 6 | 409 | 0.82 | 0.82 | 0.82 | 0.82 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.80 |
| P3 | 6 | 419 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.83 |
| P3 | 6 | 429 | 0.83 | 0.83 | 0.83 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.81 |
| P3 | 6 | 439 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.80 | 0.80 |
| P3 | 6 | 449 | 0.80 | 0.80 | 0.80 | 0.83 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 |
| P3 | 6 | 459 | 0.82 | 0.82 | 0.82 | 0.82 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 |
| P3 | 6 | 469 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.80 | 0.80 | 0.80 | 0.80 |
| P3 | 6 | 479 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | | |
| P2 | 8 | 561 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.78 | 0.78 |
| P2 | 8 | 571 | 0.78 | 0.77 | 0.77 | 0.77 | 0.77 | 0.76 | 0.76 | 0.76 | 0.76 | 0.75 |
| P2 | 8 | 581 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.74 | 0.74 | 0.73 | 0.73 | 0.72 |
| P2 | 8 | 591 | 0.72 | 0.71 | 0.70 | 0.69 | 0.68 | 0.67 | 0.65 | 0.63 | 0.61 | 0.58 |
| P2 | 8 | 601 | 0.55 | 0.50 | 0.45 | | | | | | | |
| P1 | 9 | 604 | 0.44 | 0.44 | 0.43 | 0.43 | 0.42 | 0.42 | 0.41 | 0.41 | 0.40 | 0.40 |
| P1 | 9 | 614 | 0.40 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 |
| P1 | 9 | 624 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| P1 | 9 | 634 | 0.36 | 0.36 | 0.36 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| P1 | 9 | 644 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| P1 | 9 | 654 | 0.38 | 0.38 | 0.39 | 0.39 | 0.39 | 0.40 | 0.41 | 0.41 | 0.42 | 0.43 |
| P1 | 9 | 664 | 0.44 | 0.45 | 0.46 | 0.47 | 0.48 | 0.49 | | | | |
| PT | 2 | 123 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| PT | 2 | 133 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.16 | 1.16 |
| PT | 2 | 143 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.15 | 1.15 | 1.15 |
| PT | 2 | 153 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 |
| PT | 2 | 163 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| PT | 2 | 173 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 |
| PT | 2 | 183 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| PT | 2 | 193 | 1.19 | 1.19 | 2.03 | 2.03 | 2.03 | 2.03 | 2.02 | 2.02 | 2.02 | 2.02 |
| EP | 5 | 280 | 0.41 | 0.40 | 0.39 | 0.38 | 0.37 | 0.37 | 0.36 | 0.36 | 0.35 | 0.35 |
| EP | 5 | 290 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 |
| EP | 5 | 300 | 0.32 | 0.32 | 1.14 | 1.11 | 1.09 | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 |
| EP | 5 | 310 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.87 | 0.85 | 0.84 | 0.82 | 1.14 |
| EP | 5 | 320 | 1.12 | 1.10 | 1.08 | 1.06 | 1.04 | 1.02 | 1.00 | 0.99 | 0.97 | 0.96 |
| EP | 5 | 330 | 0.94 | 0.92 | 0.91 | 0.95 | 0.94 | 0.93 | 0.91 | 0.90 | 0.88 | 0.87 |
| EP | 5 | 340 | 1.00 | 0.98 | 0.97 | 0.96 | 0.94 | 0.93 | 0.92 | 0.90 | 0.89 | 0.88 |
| EP | 5 | 350 | 0.87 | 0.86 | 0.85 | 0.84 | 0.83 | 0.82 | 0.81 | 0.80 | 1.71 | 1.69 |
| EP | 5 | 360 | 1.67 | 1.65 | 1.63 | 1.61 | 1.59 | 1.58 | 1.56 | 1.54 | 1.52 | 1.51 |
| EP | 5 | 370 | 1.49 | 1.47 | 1.46 | 1.44 | 1.42 | 1.41 | 1.39 | 1.38 | 1.36 | 1.35 |
| EP | 5 | 380 | 1.33 | 1.32 | 1.30 | 1.29 | 1.28 | 1.26 | 1.25 | 1.24 | 1.22 | |
| AC | 7 | 487 | 0.41 | 0.32 | 0.25 | 0.20 | 0.18 | 0.17 | 0.16 | 0.16 | 0.15 | 0.15 |
| AC | 7 | 497 | 0.15 | 0.14 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 |
| AC | 7 | 507 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.11 |
| AC | 7 | 517 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| AC | 7 | 527 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| AC | 7 | 537 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.54 |
| AC | 7 | 547 | 0.47 | 0.42 | 0.38 | 0.35 | 0.32 | 0.31 | 0.29 | 0.28 | 0.27 | 0.26 |
| AC | 7 | 557 | 0.26 | 0.25 | 0.25 | 0.24 | | | | | | |

mg/L TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.53 | 0.53 | 0.52 | 0.51 | 0.50 | 0.50 | 0.49 | 0.48 | 0.48 | 0.47 |
| P6 | 1 | 11 | 0.46 | 0.46 | 0.45 | 0.44 | 0.44 | 0.43 | 0.43 | 0.42 | 0.42 | 0.41 |
| P6 | 1 | 21 | 0.43 | 0.42 | 0.41 | 0.41 | 0.40 | 0.40 | 0.39 | 0.39 | 0.38 | 0.38 |
| P6 | 1 | 31 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 |
| P6 | 1 | 41 | 0.34 | 2.17 | 2.13 | 2.10 | 2.06 | 2.03 | 1.99 | 1.95 | 1.91 | 1.87 |
| P6 | 1 | 51 | 1.83 | 1.80 | 1.76 | 1.72 | 1.68 | 1.65 | 1.61 | 1.58 | 1.54 | 1.51 |
| P6 | 1 | 61 | 1.47 | 1.44 | 1.41 | 1.38 | 1.35 | 1.32 | 1.30 | 1.27 | 1.24 | 1.22 |
| P6 | 1 | 71 | 1.19 | 1.17 | 1.15 | 1.12 | 1.10 | 1.08 | 1.06 | 1.04 | 1.02 | 1.01 |
| P6 | 1 | 81 | 0.99 | 2.25 | 2.22 | 2.19 | 2.16 | 2.13 | 2.10 | 2.07 | 2.04 | 2.00 |
| P6 | 1 | 91 | 1.97 | 1.94 | 2.66 | 2.63 | 2.60 | 2.56 | 2.53 | 2.49 | 2.46 | 2.43 |
| P6 | 1 | 101 | 2.39 | 2.36 | 2.32 | 2.29 | 2.26 | 2.22 | 2.19 | 2.16 | 2.13 | 2.10 |
| P6 | 1 | 111 | 2.07 | 2.04 | 2.01 | 1.98 | 1.95 | 1.92 | 1.89 | 1.87 | 1.84 | 1.81 |
| P6 | 1 | 121 | 1.79 | 1.76 | | | | | | | | |
| P5 | 3 | 203 | 1.91 | 1.88 | 1.86 | 1.84 | 1.82 | 1.81 | 1.79 | 1.77 | 1.76 | 1.74 |
| P5 | 3 | 213 | 1.81 | 1.79 | 1.78 | 1.77 | 1.76 | 1.74 | 1.73 | 1.80 | 1.78 | 1.77 |
| P5 | 3 | 223 | 1.76 | 1.76 | 1.75 | 1.74 | 1.73 | 1.73 | 1.72 | 1.72 | 1.71 | 1.70 |
| P5 | 3 | 233 | 1.70 | 1.69 | 1.69 | 1.99 | 1.98 | 1.97 | 1.59 | | | |
| P4 | 4 | 240 | 0.94 | 0.94 | 0.95 | 0.95 | 0.96 | 0.96 | 0.97 | 0.97 | 0.98 | 0.99 |
| P4 | 4 | 250 | 1.00 | 1.00 | 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.06 | 1.07 | 1.09 |
| P4 | 4 | 260 | 1.10 | 1.12 | 1.13 | 1.15 | 1.17 | 1.19 | 1.21 | 1.23 | 1.26 | 1.29 |
| P4 | 4 | 270 | 1.32 | 1.35 | 1.39 | 1.43 | 1.47 | 1.52 | 1.58 | 1.64 | 1.04 | 1.08 |
| P3 | 6 | 389 | 1.14 | 1.06 | 1.01 | 0.97 | 1.01 | 0.98 | 0.96 | 0.95 | 0.93 | 0.92 |
| P3 | 6 | 399 | 0.92 | 0.91 | 0.90 | 0.90 | 0.89 | 0.89 | 0.89 | 0.89 | 0.88 | 0.88 |
| P3 | 6 | 409 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.87 |
| P3 | 6 | 419 | 0.87 | 0.87 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.92 |
| P3 | 6 | 429 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| P3 | 6 | 439 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.93 | 0.93 |
| P3 | 6 | 449 | 0.93 | 0.93 | 0.93 | 0.95 | 0.95 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| P3 | 6 | 459 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.97 | 0.97 |
| P3 | 6 | 469 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.98 | 0.98 |
| P3 | 6 | 479 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | | |
| P2 | 8 | 561 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.98 | 0.97 | 0.97 | 0.97 | 0.96 |
| P2 | 8 | 571 | 0.96 | 0.95 | 0.95 | 0.95 | 0.94 | 0.94 | 0.94 | 0.94 | 0.93 | 0.93 |
| P2 | 8 | 581 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 | 0.91 | 0.91 | 0.90 | 0.90 | 0.89 |
| P2 | 8 | 591 | 0.88 | 0.88 | 0.87 | 0.86 | 0.85 | 0.83 | 0.82 | 0.80 | 0.77 | 0.74 |
| P2 | 8 | 601 | 0.71 | 0.67 | 0.61 | | | | | | | |
| P1 | 9 | 604 | 0.60 | 0.60 | 0.59 | 0.59 | 0.58 | 0.58 | 0.57 | 0.57 | 0.57 | 0.56 |
| P1 | 9 | 614 | 0.56 | 0.55 | 0.55 | 0.55 | 0.54 | 0.54 | 0.54 | 0.54 | 0.53 | 0.53 |
| P1 | 9 | 624 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| P1 | 9 | 634 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| P1 | 9 | 644 | 0.53 | 0.53 | 0.53 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| P1 | 9 | 654 | 0.54 | 0.55 | 0.55 | 0.55 | 0.55 | 0.56 | 0.57 | 0.58 | 0.58 | 0.59 |
| P1 | 9 | 664 | 0.60 | 0.61 | 0.62 | 0.63 | 0.64 | 0.65 | | | | |
| PT | 2 | 123 | 1.24 | 1.24 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.22 | 1.22 |
| PT | 2 | 133 | 1.22 | 1.22 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.20 |
| PT | 2 | 143 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.19 | 1.19 | 1.19 | 1.19 |
| PT | 2 | 153 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| PT | 2 | 163 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.16 | 1.16 | 1.16 |
| PT | 2 | 173 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.15 | 1.15 | 1.15 | 1.15 |
| PT | 2 | 183 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| PT | 2 | 193 | 1.21 | 1.20 | 2.05 | 2.05 | 2.04 | 2.04 | 2.04 | 2.03 | 2.03 | 2.03 |
| EP | 5 | 280 | 0.45 | 0.44 | 0.43 | 0.42 | 0.42 | 0.41 | 0.40 | 0.40 | 0.39 | 0.39 |
| EP | 5 | 290 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 |
| EP | 5 | 300 | 0.36 | 0.35 | 1.17 | 1.15 | 1.13 | 1.10 | 1.08 | 1.06 | 1.04 | 1.02 |
| EP | 5 | 310 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.89 | 0.87 | 0.85 | 1.17 |
| EP | 5 | 320 | 1.15 | 1.13 | 1.11 | 1.09 | 1.07 | 1.06 | 1.04 | 1.02 | 1.00 | 0.99 |
| EP | 5 | 330 | 0.97 | 0.96 | 0.94 | 0.99 | 0.97 | 0.96 | 0.94 | 0.93 | 0.91 | 0.90 |
| EP | 5 | 340 | 1.03 | 1.01 | 1.00 | 0.98 | 0.97 | 0.96 | 0.94 | 0.93 | 0.92 | 0.91 |
| EP | 5 | 350 | 0.90 | 0.88 | 0.87 | 0.86 | 0.85 | 0.84 | 0.83 | 0.82 | 1.73 | 1.71 |
| EP | 5 | 360 | 1.69 | 1.67 | 1.65 | 1.64 | 1.62 | 1.60 | 1.58 | 1.56 | 1.55 | 1.53 |
| EP | 5 | 370 | 1.51 | 1.49 | 1.48 | 1.46 | 1.44 | 1.43 | 1.41 | 1.40 | 1.38 | 1.37 |
| EP | 5 | 380 | 1.35 | 1.34 | 1.32 | 1.31 | 1.30 | 1.28 | 1.27 | 1.25 | 1.24 | |
| AC | 7 | 487 | 0.59 | 0.51 | 0.44 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.34 | 0.34 |
| AC | 7 | 497 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 |
| AC | 7 | 507 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 | 0.30 |
| AC | 7 | 517 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.29 |
| AC | 7 | 527 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.28 |
| AC | 7 | 537 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.72 |
| AC | 7 | 547 | 0.66 | 0.61 | 0.57 | 0.53 | 0.51 | 0.49 | 0.48 | 0.47 | 0.46 | 0.45 |
| AC | 7 | 557 | 0.44 | 0.44 | 0.43 | 0.43 | | | | | | |

INTERMEDIATE REPORT
Chlorophyll a
µg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 11 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 21 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 31 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 41 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 51 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 61 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 71 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 81 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 91 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 101 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 111 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 121 | 1.50 | 1.50 | | | | | | | | |
| P5 | 3 | 203 | 2.59 | 3.69 | 4.78 | 5.88 | 6.97 | 8.07 | 9.16 | 10.26 | 11.35 | 12.45 |
| P5 | 3 | 213 | 13.54 | 14.64 | 15.73 | 16.82 | 17.92 | 19.01 | 20.11 | 21.20 | 22.30 | 23.39 |
| P5 | 3 | 223 | 24.49 | 25.58 | 26.68 | 27.77 | 28.86 | 29.96 | 31.05 | 32.15 | 33.24 | 34.34 |
| P5 | 3 | 233 | 35.43 | 36.53 | 37.62 | 38.72 | 39.81 | 40.91 | 42.00 | | | |
| P4 | 4 | 240 | 41.01 | 40.01 | 39.02 | 38.03 | 37.03 | 36.04 | 35.04 | 34.05 | 33.06 | 32.06 |
| P4 | 4 | 250 | 31.07 | 30.08 | 29.08 | 28.09 | 27.09 | 26.10 | 25.11 | 24.11 | 23.12 | 22.12 |
| P4 | 4 | 260 | 21.13 | 20.14 | 19.14 | 18.15 | 17.16 | 16.16 | 15.17 | 14.18 | 13.18 | 12.19 |
| P4 | 4 | 270 | 11.19 | 10.20 | 9.21 | 8.21 | 7.22 | 6.23 | 5.23 | 4.24 | 3.24 | 2.25 |
| P3 | 6 | 389 | 2.45 | 2.65 | 2.85 | 3.06 | 3.26 | 3.46 | 3.66 | 3.86 | 4.06 | 4.27 |
| P3 | 6 | 399 | 4.47 | 4.67 | 4.87 | 5.07 | 5.27 | 5.47 | 5.68 | 5.88 | 6.08 | 6.28 |
| P3 | 6 | 409 | 6.48 | 6.68 | 6.89 | 7.09 | 7.29 | 7.49 | 7.69 | 7.89 | 8.09 | 8.30 |
| P3 | 6 | 419 | 8.50 | 8.70 | 8.90 | 9.10 | 9.30 | 9.51 | 9.71 | 9.91 | 10.11 | 10.31 |
| P3 | 6 | 429 | 10.51 | 10.71 | 10.92 | 11.12 | 11.32 | 11.52 | 11.72 | 11.92 | 12.12 | 12.33 |
| P3 | 6 | 439 | 12.53 | 12.73 | 12.93 | 13.13 | 13.33 | 13.54 | 13.74 | 13.94 | 14.14 | 14.34 |
| P3 | 6 | 449 | 14.54 | 14.74 | 14.95 | 15.15 | 15.35 | 15.55 | 15.75 | 15.95 | 16.16 | 16.36 |
| P3 | 6 | 459 | 16.56 | 16.76 | 16.96 | 17.16 | 17.36 | 17.57 | 17.77 | 17.97 | 18.17 | 18.37 |
| P3 | 6 | 469 | 18.57 | 18.78 | 18.98 | 19.18 | 19.38 | 19.58 | 19.78 | 19.98 | 20.19 | 20.39 |
| P3 | 6 | 479 | 20.59 | 20.79 | 20.99 | 21.19 | 21.40 | 21.60 | 21.80 | 22.00 | | |
| P2 | 8 | 561 | 21.93 | 21.86 | 21.79 | 21.72 | 21.65 | 21.58 | 21.51 | 21.44 | 21.37 | 21.30 |
| P2 | 8 | 571 | 21.23 | 21.16 | 21.09 | 21.02 | 20.95 | 20.88 | 20.81 | 20.74 | 20.67 | 20.60 |
| P2 | 8 | 581 | 20.53 | 20.47 | 20.40 | 20.33 | 20.26 | 20.19 | 20.12 | 20.05 | 19.98 | 19.91 |
| P2 | 8 | 591 | 19.84 | 19.77 | 19.70 | 19.63 | 19.56 | 19.49 | 19.42 | 19.35 | 19.28 | 19.21 |
| P2 | 8 | 601 | 19.14 | 19.07 | 19.00 | | | | | | | |
| P1 | 9 | 604 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 614 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 624 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 634 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 644 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 654 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 664 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | | | | |
| PT | 2 | 123 | 5.94 | 5.89 | 5.83 | 5.78 | 5.72 | 5.66 | 5.61 | 5.55 | 5.49 | 5.44 |
| PT | 2 | 133 | 5.38 | 5.32 | 5.27 | 5.21 | 5.16 | 5.10 | 5.04 | 4.99 | 4.93 | 4.88 |
| PT | 2 | 143 | 4.82 | 4.76 | 4.71 | 4.65 | 4.59 | 4.54 | 4.48 | 4.43 | 4.37 | 4.31 |
| PT | 2 | 153 | 4.26 | 4.20 | 4.14 | 4.09 | 4.03 | 3.98 | 3.92 | 3.86 | 3.81 | 3.75 |
| PT | 2 | 163 | 3.69 | 3.64 | 3.58 | 3.53 | 3.47 | 3.41 | 3.36 | 3.30 | 3.24 | 3.19 |
| PT | 2 | 173 | 3.13 | 3.08 | 3.02 | 2.96 | 2.91 | 2.85 | 2.79 | 2.74 | 2.68 | 2.62 |
| PT | 2 | 183 | 2.57 | 2.51 | 2.46 | 2.40 | 2.34 | 2.29 | 2.23 | 2.18 | 2.12 | 2.06 |
| PT | 2 | 193 | 2.01 | 1.95 | 1.89 | 1.84 | 1.78 | 1.72 | 1.67 | 1.61 | 1.56 | 1.50 |
| EP | 5 | 280 | 4.97 | 4.95 | 4.92 | 4.90 | 4.87 | 4.85 | 4.82 | 4.80 | 4.77 | 4.75 |
| EP | 5 | 290 | 4.72 | 4.70 | 4.67 | 4.65 | 4.62 | 4.60 | 4.57 | 4.55 | 4.52 | 4.50 |
| EP | 5 | 300 | 4.47 | 4.44 | 4.42 | 4.39 | 4.37 | 4.34 | 4.32 | 4.29 | 4.27 | 4.24 |
| EP | 5 | 310 | 4.22 | 4.19 | 4.17 | 4.14 | 4.12 | 4.09 | 4.07 | 4.04 | 4.02 | 3.99 |
| EP | 5 | 320 | 3.97 | 3.94 | 3.92 | 3.89 | 3.86 | 3.84 | 3.81 | 3.79 | 3.76 | 3.74 |
| EP | 5 | 330 | 3.71 | 3.69 | 3.66 | 3.64 | 3.61 | 3.59 | 3.56 | 3.54 | 3.51 | 3.49 |
| EP | 5 | 340 | 3.46 | 3.44 | 3.41 | 3.39 | 3.36 | 3.33 | 3.31 | 3.28 | 3.26 | 3.23 |
| EP | 5 | 350 | 3.21 | 3.18 | 3.16 | 3.13 | 3.11 | 3.08 | 3.06 | 3.03 | 3.01 | 2.98 |
| EP | 5 | 360 | 2.96 | 2.93 | 2.91 | 2.88 | 2.86 | 2.83 | 2.81 | 2.78 | 2.75 | 2.73 |
| EP | 5 | 370 | 2.70 | 2.68 | 2.65 | 2.63 | 2.60 | 2.58 | 2.55 | 2.53 | 2.50 | 2.48 |
| EP | 5 | 380 | 2.45 | 2.43 | 2.40 | 2.38 | 2.35 | 2.33 | 2.30 | 2.28 | 2.25 | |
| AC | 7 | 487 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 497 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 507 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 517 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 527 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 7 | 537 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 547 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 557 | 22.00 | 22.00 | 22.00 | 22.00 | | | | | | |

INTERMEDIATE REPORT
Temperature
deg C

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 11 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 21 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 31 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 41 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 51 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 61 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 71 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 81 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 91 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 101 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 111 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| P6 | 1 | 121 | 30.00 | 30.00 | | | | | | | | |
| P5 | 3 | 203 | 30.07 | 30.14 | 30.21 | 30.28 | 30.35 | 30.42 | 30.49 | 30.56 | 30.63 | 30.70 |
| P5 | 3 | 213 | 30.77 | 30.84 | 30.91 | 30.98 | 31.05 | 31.12 | 31.19 | 31.26 | 31.34 | 31.41 |
| P5 | 3 | 223 | 31.48 | 31.55 | 31.62 | 31.69 | 31.76 | 31.83 | 31.90 | 31.97 | 32.04 | 32.11 |
| P5 | 3 | 233 | 32.18 | 32.25 | 32.32 | 32.39 | 32.46 | 32.53 | 32.60 | | | |
| P4 | 4 | 240 | 32.53 | 32.47 | 32.40 | 32.34 | 32.27 | 32.21 | 32.15 | 32.08 | 32.01 | 31.95 |
| P4 | 4 | 250 | 31.88 | 31.82 | 31.75 | 31.69 | 31.62 | 31.56 | 31.49 | 31.43 | 31.36 | 31.30 |
| P4 | 4 | 260 | 31.23 | 31.17 | 31.10 | 31.04 | 30.97 | 30.91 | 30.84 | 30.78 | 30.72 | 30.65 |
| P4 | 4 | 270 | 30.58 | 30.52 | 30.45 | 30.39 | 30.33 | 30.26 | 30.19 | 30.13 | 30.07 | 30.00 |
| P3 | 6 | 389 | 30.04 | 30.08 | 30.12 | 30.16 | 30.20 | 30.24 | 30.28 | 30.32 | 30.36 | 30.40 |
| P3 | 6 | 399 | 30.44 | 30.48 | 30.52 | 30.56 | 30.60 | 30.64 | 30.68 | 30.72 | 30.76 | 30.80 |
| P3 | 6 | 409 | 30.84 | 30.88 | 30.92 | 30.96 | 30.99 | 31.03 | 31.07 | 31.11 | 31.15 | 31.19 |
| P3 | 6 | 419 | 31.23 | 31.27 | 31.31 | 31.35 | 31.39 | 31.43 | 31.47 | 31.51 | 31.55 | 31.59 |
| P3 | 6 | 429 | 31.63 | 31.67 | 31.71 | 31.75 | 31.79 | 31.83 | 31.87 | 31.91 | 31.95 | 31.99 |
| P3 | 6 | 439 | 32.03 | 32.07 | 32.11 | 32.15 | 32.19 | 32.23 | 32.27 | 32.31 | 32.35 | 32.39 |
| P3 | 6 | 449 | 32.43 | 32.47 | 32.51 | 32.55 | 32.59 | 32.63 | 32.67 | 32.71 | 32.75 | 32.79 |
| P3 | 6 | 459 | 32.83 | 32.87 | 32.91 | 32.94 | 32.98 | 33.02 | 33.06 | 33.10 | 33.14 | 33.18 |
| P3 | 6 | 469 | 33.22 | 33.26 | 33.30 | 33.34 | 33.38 | 33.42 | 33.46 | 33.50 | 33.54 | 33.58 |
| P3 | 6 | 479 | 33.62 | 33.66 | 33.70 | 33.74 | 33.78 | 33.82 | 33.86 | 33.90 | | |
| P2 | 8 | 561 | 33.82 | 33.74 | 33.66 | 33.58 | 33.50 | 33.43 | 33.35 | 33.27 | 33.19 | 33.11 |
| P2 | 8 | 571 | 33.03 | 32.95 | 32.87 | 32.79 | 32.71 | 32.63 | 32.56 | 32.48 | 32.40 | 32.32 |
| P2 | 8 | 581 | 32.24 | 32.16 | 32.08 | 32.00 | 31.92 | 31.84 | 31.77 | 31.69 | 31.61 | 31.53 |
| P2 | 8 | 591 | 31.45 | 31.37 | 31.29 | 31.21 | 31.13 | 31.05 | 30.97 | 30.90 | 30.82 | 30.74 |
| P2 | 8 | 601 | 30.66 | 30.58 | 30.50 | | | | | | | |
| P1 | 9 | 604 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 614 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 624 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 634 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 644 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 654 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 |
| P1 | 9 | 664 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | 30.50 | | | | |
| PT | 2 | 123 | 29.80 | 29.80 | 29.81 | 29.81 | 29.81 | 29.81 | 29.82 | 29.82 | 29.82 | 29.82 |
| PT | 2 | 133 | 29.83 | 29.83 | 29.83 | 29.83 | 29.84 | 29.84 | 29.84 | 29.84 | 29.85 | 29.85 |
| PT | 2 | 143 | 29.85 | 29.85 | 29.86 | 29.86 | 29.86 | 29.86 | 29.87 | 29.87 | 29.87 | 29.88 |
| PT | 2 | 153 | 29.88 | 29.88 | 29.88 | 29.89 | 29.89 | 29.89 | 29.89 | 29.90 | 29.90 | 29.90 |
| PT | 2 | 163 | 29.90 | 29.90 | 29.91 | 29.91 | 29.91 | 29.91 | 29.92 | 29.92 | 29.92 | 29.92 |
| PT | 2 | 173 | 29.93 | 29.93 | 29.93 | 29.93 | 29.94 | 29.94 | 29.94 | 29.94 | 29.95 | 29.95 |
| PT | 2 | 183 | 29.95 | 29.95 | 29.96 | 29.96 | 29.96 | 29.97 | 29.97 | 29.97 | 29.97 | 29.98 |
| PT | 2 | 193 | 29.98 | 29.98 | 29.98 | 29.99 | 29.99 | 29.99 | 29.99 | 30.00 | 30.00 | 30.00 |
| EP | 5 | 280 | 25.84 | 25.88 | 25.92 | 25.95 | 25.99 | 26.03 | 26.07 | 26.11 | 26.15 | 26.19 |
| EP | 5 | 290 | 26.22 | 26.26 | 26.30 | 26.34 | 26.38 | 26.42 | 26.46 | 26.49 | 26.53 | 26.57 |
| EP | 5 | 300 | 26.61 | 26.65 | 26.69 | 26.72 | 26.76 | 26.80 | 26.84 | 26.88 | 26.92 | 26.96 |
| EP | 5 | 310 | 26.99 | 27.03 | 27.07 | 27.11 | 27.15 | 27.19 | 27.23 | 27.26 | 27.30 | 27.34 |
| EP | 5 | 320 | 27.38 | 27.42 | 27.46 | 27.50 | 27.53 | 27.57 | 27.61 | 27.65 | 27.69 | 27.73 |
| EP | 5 | 330 | 27.77 | 27.80 | 27.84 | 27.88 | 27.92 | 27.96 | 28.00 | 28.03 | 28.07 | 28.11 |
| EP | 5 | 340 | 28.15 | 28.19 | 28.23 | 28.27 | 28.30 | 28.34 | 28.38 | 28.42 | 28.46 | 28.50 |
| EP | 5 | 350 | 28.54 | 28.57 | 28.61 | 28.65 | 28.69 | 28.73 | 28.77 | 28.81 | 28.84 | 28.88 |
| EP | 5 | 360 | 28.92 | 28.96 | 29.00 | 29.04 | 29.08 | 29.11 | 29.15 | 29.19 | 29.23 | 29.27 |
| EP | 5 | 370 | 29.31 | 29.34 | 29.38 | 29.42 | 29.46 | 29.50 | 29.54 | 29.58 | 29.61 | 29.65 |
| EP | 5 | 380 | 29.69 | 29.73 | 29.77 | 29.81 | 29.85 | 29.88 | 29.92 | 29.96 | 30.00 | |
| AC | 7 | 487 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 497 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 7 | 507 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 517 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 527 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 537 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 547 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 | 33.90 |
| AC | 7 | 557 | 33.90 | 33.90 | 33.90 | 33.90 | | | | | | |

INTERMEDIATE REPORT
Salinity
ppt

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 121 | 0.00 | 0.00 | | | | | | | | |
| P5 | 3 | 203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| P4 | 4 | 240 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 250 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 260 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 270 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 389 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 419 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 429 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 439 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 449 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 459 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 469 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 479 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| P2 | 8 | 561 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 571 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 581 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 591 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 601 | 0.00 | 0.00 | 0.00 | | | | | | | |
| P1 | 9 | 604 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 614 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 624 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 634 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 644 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 654 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 664 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| PT | 2 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 133 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 183 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 193 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 280 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 290 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 300 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 310 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 320 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 330 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 340 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 350 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 360 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 370 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 380 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| AC | 7 | 487 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 497 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 507 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 517 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 527 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 537 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 547 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 557 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT
River Distance
km

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. |
| P6 | 1 | 11 | 40. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. |
| P6 | 1 | 21 | 39. | 38. | 38. | 38. | 38. | 38. | 38. | 38. | 38. | 38. |
| P6 | 1 | 31 | 38. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. |
| P6 | 1 | 41 | 37. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. |
| P6 | 1 | 51 | 36. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. |
| P6 | 1 | 61 | 35. | 34. | 34. | 34. | 34. | 34. | 34. | 34. | 34. | 34. |
| P6 | 1 | 71 | 34. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. |
| P6 | 1 | 81 | 33. | 32. | 32. | 32. | 32. | 32. | 32. | 32. | 32. | 32. |
| P6 | 1 | 91 | 32. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. |
| P6 | 1 | 101 | 31. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. |
| P6 | 1 | 111 | 30. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. |
| P6 | 1 | 121 | 29. | 28. | | | | | | | | |
| P5 | 3 | 203 | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 27. | 27. |
| P5 | 3 | 213 | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 26. | 26. |
| P5 | 3 | 223 | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 25. | 25. |
| P5 | 3 | 233 | 25. | 25. | 25. | 25. | 25. | 25. | 25. | | | |
| P4 | 4 | 240 | 25. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. |
| P4 | 4 | 250 | 24. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. |
| P4 | 4 | 260 | 23. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. |
| P4 | 4 | 270 | 22. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. |
| P3 | 6 | 389 | 21. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. |
| P3 | 6 | 399 | 20. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. |
| P3 | 6 | 409 | 19. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. |
| P3 | 6 | 419 | 18. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. |
| P3 | 6 | 429 | 17. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. |
| P3 | 6 | 439 | 16. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. |
| P3 | 6 | 449 | 15. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. |
| P3 | 6 | 459 | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. |
| P3 | 6 | 469 | 13. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. |
| P3 | 6 | 479 | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | | |
| P2 | 8 | 561 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| P2 | 8 | 571 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| P2 | 8 | 581 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| P2 | 8 | 591 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| P2 | 8 | 601 | 7. | 7. | 7. | | | | | | | |
| P1 | 9 | 604 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| P1 | 9 | 614 | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| P1 | 9 | 624 | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| P1 | 9 | 634 | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| P1 | 9 | 644 | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| P1 | 9 | 654 | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 664 | 1. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 8. | 8. | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. |
| PT | 2 | 133 | 7. | 7. | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. |
| PT | 2 | 143 | 6. | 6. | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. |
| PT | 2 | 153 | 5. | 5. | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. |
| PT | 2 | 163 | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. |
| PT | 2 | 173 | 3. | 3. | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. |
| PT | 2 | 183 | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. |
| PT | 2 | 193 | 1. | 1. | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| EP | 5 | 290 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| EP | 5 | 300 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| EP | 5 | 310 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| EP | 5 | 320 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| EP | 5 | 330 | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| EP | 5 | 340 | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 350 | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| EP | 5 | 360 | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 370 | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| EP | 5 | 380 | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 6. |
| AC | 7 | 497 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 5. |
| AC | 7 | 507 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 4. |
| AC | 7 | 517 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 3. |
| AC | 7 | 527 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 2. |
| AC | 7 | 537 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 1. |
| AC | 7 | 547 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT

Flow
$m^3/s$

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 233 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 399 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 409 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 419 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 429 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 439 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 449 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 459 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 469 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 479 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| P2 | 8 | 561 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 571 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 581 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 591 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 601 | 0.5 | 0.5 | 0.5 | | | | | | | |
| P1 | 9 | 604 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 614 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 624 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 634 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 644 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 654 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P1 | 9 | 664 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Dispersion
$m^2/s$

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 233 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 399 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 409 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 419 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 429 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 439 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 449 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 459 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 469 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 479 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| P2 | 8 | 561 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 571 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 581 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 591 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 601 | 25.0 | 25.0 | 25.0 | | | | | | | |
| P1 | 9 | 604 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 614 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 624 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 634 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 644 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 654 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 664 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Depth
m

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P6 | 1 | 11 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P6 | 1 | 21 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P6 | 1 | 31 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P6 | 1 | 41 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 51 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 61 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 71 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 81 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 91 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 101 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 111 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P6 | 1 | 121 | 0.4 | 0.4 | | | | | | | | |
| P5 | 3 | 203 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 213 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 223 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 233 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | |
| P4 | 4 | 240 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 250 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 260 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 270 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 399 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 409 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 419 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 429 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 439 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 449 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 459 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 469 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 479 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | |
| P2 | 8 | 561 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 571 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 581 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 591 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 601 | 0.5 | 0.5 | 0.5 | | | | | | | |
| P1 | 9 | 604 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 614 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 624 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 634 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 644 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 654 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| P1 | 9 | 664 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | | | | |
| PT | 2 | 123 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 133 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 143 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 153 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 163 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 173 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 183 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 290 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 300 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 310 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 320 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 330 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 340 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| EP | 5 | 350 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| EP | 5 | 360 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 370 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 380 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | |
| AC | 7 | 487 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 497 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 507 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 517 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 527 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 537 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 547 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| AC | 7 | 557 | 0.3 | 0.3 | 0.3 | 0.3 | | | | | | |

INTERMEDIATE REPORT
Width
m

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 11 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 21 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 31 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 41 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 51 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 61 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 71 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 81 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 91 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 101 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 111 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 121 | 2.7 | 2.7 | | | | | | | | |
| P5 | 3 | 203 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 213 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 223 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 233 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | | | |
| P4 | 4 | 240 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 250 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 260 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 270 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P3 | 6 | 389 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 399 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 409 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 419 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 429 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 439 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 449 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 459 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 469 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 479 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | | |
| P2 | 8 | 561 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 571 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 581 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 591 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 601 | 18.3 | 18.3 | 18.3 | | | | | | | |
| P1 | 9 | 604 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 614 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 624 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 634 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 644 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 654 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 664 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | | | | |
| PT | 2 | 123 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 133 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 143 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 153 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 163 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 173 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 183 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 193 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| EP | 5 | 280 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 290 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 300 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 310 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 320 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 330 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 340 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 350 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 360 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 370 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 380 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | |
| AC | 7 | 487 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 497 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 507 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 517 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 527 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 537 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 547 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 557 | 5.2 | 5.2 | 5.2 | 5.2 | | | | | | |

INTERMEDIATE REPORT
Advective Velocity
m/s

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| P3 | 6 | 399 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 409 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 419 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 429 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 |
| P3 | 6 | 439 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 |
| P3 | 6 | 449 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| P3 | 6 | 459 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 |
| P3 | 6 | 469 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 |
| P3 | 6 | 479 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| P2 | 8 | 561 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 571 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 581 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 591 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 601 | 0.1 | 0.1 | 0.1 | | | | | | | |
| P1 | 9 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Mean Velocity
m/s

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| P3 | 6 | 399 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 409 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 419 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 429 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 |
| P3 | 6 | 439 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 |
| P3 | 6 | 449 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| P3 | 6 | 459 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 |
| P3 | 6 | 469 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 |
| P3 | 6 | 479 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| P2 | 8 | 561 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 571 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 581 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 591 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 601 | 0.1 | 0.1 | 0.1 | | | | | | | |
| P1 | 9 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 9 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Cross-Sectional Area
$m^2$

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P6 | 1 | 11 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P6 | 1 | 21 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P6 | 1 | 31 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P6 | 1 | 41 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 51 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 61 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 71 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 81 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 91 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 101 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 111 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P6 | 1 | 121 | 1.0 | 1.0 | | | | | | | | |
| P5 | 3 | 203 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P5 | 3 | 213 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P5 | 3 | 223 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P5 | 3 | 233 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | |
| P4 | 4 | 240 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 | 1.2 |
| P4 | 4 | 250 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| P4 | 4 | 260 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| P4 | 4 | 270 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| P3 | 6 | 389 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 399 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 409 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 419 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 429 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 439 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 449 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 459 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 469 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 479 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| P2 | 8 | 561 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| P2 | 8 | 571 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| P2 | 8 | 581 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| P2 | 8 | 591 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| P2 | 8 | 601 | 8.9 | 8.9 | 8.9 | | | | | | | |
| P1 | 9 | 604 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 9 | 614 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 624 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 634 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 644 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 654 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| P1 | 9 | 664 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | | | | |
| PT | 2 | 123 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 133 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 143 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 153 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 163 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 173 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 183 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| PT | 2 | 193 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| EP | 5 | 290 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| EP | 5 | 300 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| EP | 5 | 310 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| EP | 5 | 320 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| EP | 5 | 330 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| EP | 5 | 340 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| EP | 5 | 350 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 |
| EP | 5 | 360 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| EP | 5 | 370 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| EP | 5 | 380 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | |
| AC | 7 | 487 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 497 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 507 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 517 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 527 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 537 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 547 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| AC | 7 | 557 | 1.7 | 1.7 | 1.7 | 1.7 | | | | | | |

INTERMEDIATE REPORT
Reaeration Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 |
| P6 | 1 | 11 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 | 2.500 |
| P6 | 1 | 21 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 |
| P6 | 1 | 31 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 | 2.497 |
| P6 | 1 | 41 | 2.497 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 |
| P6 | 1 | 51 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 |
| P6 | 1 | 61 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 |
| P6 | 1 | 71 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 | 2.441 |
| P6 | 1 | 81 | 2.441 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 | 2.411 |
| P6 | 1 | 91 | 2.411 | 2.411 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 |
| P6 | 1 | 101 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 |
| P6 | 1 | 111 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 | 2.397 |
| P6 | 1 | 121 | 2.397 | 2.397 | | | | | | | | |
| P5 | 3 | 203 | 9.213 | 9.274 | 9.334 | 9.395 | 9.456 | 9.517 | 9.578 | 9.639 | 9.700 | 9.761 |
| P5 | 3 | 213 | 9.865 | 9.927 | 9.988 | 10.050 | 10.111 | 10.174 | 10.235 | 10.334 | 10.395 | 10.458 |
| P5 | 3 | 223 | 10.520 | 10.583 | 10.645 | 10.708 | 10.770 | 10.836 | 10.899 | 10.962 | 11.023 | 11.087 |
| P5 | 3 | 233 | 11.150 | 11.212 | 11.276 | 11.655 | 11.717 | 11.780 | 9.957 | | | |
| P4 | 4 | 240 | 2.698 | 2.691 | 2.684 | 2.677 | 2.670 | 2.663 | 2.656 | 2.649 | 2.642 | 2.636 |
| P4 | 4 | 250 | 2.629 | 2.623 | 2.616 | 2.610 | 2.604 | 2.598 | 2.592 | 2.587 | 2.581 | 2.576 |
| P4 | 4 | 260 | 2.570 | 2.565 | 2.561 | 2.556 | 2.552 | 2.547 | 2.543 | 2.540 | 2.536 | 2.533 |
| P4 | 4 | 270 | 2.531 | 2.528 | 2.527 | 2.525 | 2.524 | 2.524 | 2.524 | 2.538 | 2.542 | 2.547 |
| P3 | 6 | 389 | 12.037 | 12.045 | 12.054 | 12.062 | 12.071 | 12.078 | 12.086 | 12.096 | 12.104 | 12.111 |
| P3 | 6 | 399 | 12.120 | 12.128 | 12.137 | 12.145 | 12.153 | 12.161 | 12.170 | 12.178 | 12.185 | 12.194 |
| P3 | 6 | 409 | 12.202 | 12.211 | 12.219 | 12.227 | 12.237 | 12.244 | 12.253 | 12.262 | 12.270 | 12.277 |
| P3 | 6 | 419 | 12.286 | 12.295 | 12.303 | 12.312 | 12.320 | 12.328 | 12.336 | 12.344 | 12.352 | 12.361 |
| P3 | 6 | 429 | 12.369 | 12.377 | 12.386 | 12.395 | 12.403 | 12.411 | 12.420 | 12.428 | 12.436 | 12.445 |
| P3 | 6 | 439 | 12.454 | 12.462 | 12.469 | 12.478 | 12.487 | 12.496 | 12.503 | 12.511 | 12.520 | 12.528 |
| P3 | 6 | 449 | 12.537 | 12.545 | 12.554 | 12.562 | 12.571 | 12.578 | 12.587 | 12.595 | 12.604 | 12.613 |
| P3 | 6 | 459 | 12.621 | 12.629 | 12.638 | 12.646 | 12.654 | 12.663 | 12.672 | 12.680 | 12.688 | 12.697 |
| P3 | 6 | 469 | 12.705 | 12.713 | 12.722 | 12.730 | 12.739 | 12.747 | 12.755 | 12.764 | 12.772 | 12.780 |
| P3 | 6 | 479 | 12.790 | 12.798 | 12.806 | 12.815 | 12.823 | 12.831 | 12.840 | 12.849 | | |
| P2 | 8 | 561 | 1.853 | 1.850 | 1.848 | 1.845 | 1.843 | 1.839 | 1.837 | 1.834 | 1.832 | 1.829 |
| P2 | 8 | 571 | 1.827 | 1.825 | 1.822 | 1.820 | 1.817 | 1.815 | 1.813 | 1.810 | 1.808 | 1.805 |
| P2 | 8 | 581 | 1.803 | 1.801 | 1.798 | 1.795 | 1.793 | 1.790 | 1.788 | 1.786 | 1.783 | 1.781 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2 | 8 | 591 | 1.778 | 1.776 | 1.774 | 1.771 | 1.769 | 1.767 | 1.764 | 1.762 | 1.759 | 1.757 |
| P2 | 8 | 601 | 1.755 | 1.752 | 1.749 | | | | | | | |
| P1 | 9 | 604 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 614 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 624 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 634 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 644 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 654 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 |
| P1 | 9 | 664 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | 0.554 | | | | |
| PT | 2 | 123 | 7.913 | 7.913 | 7.913 | 7.914 | 7.913 | 7.915 | 7.915 | 7.915 | 7.915 | 7.916 |
| PT | 2 | 133 | 7.916 | 7.916 | 7.917 | 7.917 | 7.917 | 7.918 | 7.918 | 7.918 | 7.919 | 7.919 |
| PT | 2 | 143 | 7.920 | 7.920 | 7.920 | 7.921 | 7.921 | 7.921 | 7.922 | 7.921 | 7.923 | 7.923 |
| PT | 2 | 153 | 7.923 | 7.924 | 7.924 | 7.924 | 7.925 | 7.925 | 7.925 | 7.926 | 7.926 | 7.926 |
| PT | 2 | 163 | 7.926 | 7.927 | 7.927 | 7.928 | 7.928 | 7.928 | 7.928 | 7.929 | 7.929 | 7.929 |
| PT | 2 | 173 | 7.929 | 7.931 | 7.930 | 7.930 | 7.931 | 7.931 | 7.932 | 7.932 | 7.933 | 7.932 |
| PT | 2 | 183 | 7.934 | 7.933 | 7.934 | 7.934 | 7.935 | 7.935 | 7.935 | 7.935 | 7.936 | 7.936 |
| PT | 2 | 193 | 9.604 | 9.604 | 11.235 | 11.235 | 11.236 | 11.236 | 11.237 | 11.238 | 11.238 | 11.238 |
| EP | 5 | 280 | 2.754 | 2.749 | 2.745 | 2.740 | 2.736 | 2.732 | 2.729 | 2.726 | 2.723 | 2.720 |
| EP | 5 | 290 | 2.717 | 2.715 | 2.712 | 2.710 | 2.708 | 2.706 | 2.705 | 2.703 | 2.702 | 2.700 |
| EP | 5 | 300 | 2.699 | 2.698 | 2.677 | 2.677 | 2.677 | 2.677 | 2.677 | 2.677 | 2.677 | 2.677 |
| EP | 5 | 310 | 2.678 | 2.678 | 2.679 | 2.679 | 2.680 | 2.680 | 2.681 | 2.682 | 2.683 | 2.679 |
| EP | 5 | 320 | 2.680 | 2.681 | 2.682 | 2.683 | 2.685 | 2.686 | 2.687 | 2.688 | 2.690 | 2.691 |
| EP | 5 | 330 | 2.693 | 2.694 | 2.696 | 2.697 | 2.698 | 2.700 | 2.702 | 2.703 | 2.705 | 2.707 |
| EP | 5 | 340 | 2.708 | 2.710 | 2.712 | 2.713 | 2.715 | 2.717 | 2.719 | 2.721 | 2.723 | 2.725 |
| EP | 5 | 350 | 2.727 | 2.729 | 2.731 | 2.733 | 2.735 | 2.737 | 2.739 | 2.741 | 2.758 | 2.761 |
| EP | 5 | 360 | 2.763 | 2.766 | 2.768 | 2.771 | 2.773 | 2.776 | 2.778 | 2.781 | 2.784 | 2.786 |
| EP | 5 | 370 | 2.789 | 2.791 | 2.794 | 2.797 | 2.800 | 2.802 | 2.805 | 2.808 | 2.810 | 2.813 |
| EP | 5 | 380 | 2.816 | 2.818 | 2.821 | 2.824 | 2.826 | 2.829 | 2.832 | 2.834 | 2.837 | |
| AC | 7 | 487 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 | 2.819 |
| AC | 7 | 497 | 2.819 | 2.819 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 |
| AC | 7 | 507 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 |
| AC | 7 | 517 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 |
| AC | 7 | 527 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.798 | 2.795 | 2.795 | 2.795 |
| AC | 7 | 537 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.795 | 2.749 |
| AC | 7 | 547 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 | 2.749 |
| AC | 7 | 557 | 2.749 | 2.749 | 2.749 | 2.749 | | | | | | |

INTERMEDIATE REPORT
BOD1 Decay Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
BOD1 Settling Rate
m/d

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen Decay Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P3 | 6 | 469 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P3 | 6 | 479 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | |
| P2 | 8 | 561 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 571 | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 497 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 507 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 517 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 527 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 537 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 547 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| AC | 7 | 557 | 1. | 1. | 1. | 1. | | | | | | |

INTERMEDIATE REPORT
Sediment Oxygen Demand
g/m²/d

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | | | |
| P2 | 8 | 561 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| P2 | 8 | 571 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| P2 | 8 | 581 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| P2 | 8 | 591 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 1. | | | | | | | | | | | | | | | |
| P2 | 8 | 601 | 1. | 1. | 1. | | | | | | | | | | | | | | | | | | | | | | |
| P1 | 9 | 604 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P1 | 9 | 614 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P1 | 9 | 624 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P1 | 9 | 634 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P1 | 9 | 644 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P1 | 9 | 654 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| P1 | 9 | 664 | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | | | | | | | | | | | | | |
| EP | 5 | 280 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 290 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 300 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 310 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 320 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 330 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 340 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 350 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 360 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 370 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | |
| EP | 5 | 380 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | | | | | | | | | | | | | | | | |
| AC | 7 | 487 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 497 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 507 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 517 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 527 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 537 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 547 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | |
| AC | 7 | 557 | 1. | 1. | 1. | 1. | | | | | | | | | | | | | | | | | | | | | |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | HDWTR | 0.003 | 30.00 | 0.0 | 6.85 | 4.61 | 0.00 | 0.37 | 0.09 | 0.07 | 0.53 | 0.00 | 0.00 | 1.5 | | | | | | | | | | | | | |
| 1 | P6 | 1 | 40.50 | 0.003 | 30.00 | 0.0 | 7.15 | 4.45 | 0.00 | 0.37 | 0.08 | 0.08 | 0.52 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 2 | P6 | 1 | 40.40 | 0.003 | 30.00 | 0.0 | 7.31 | 4.30 | 0.00 | 0.36 | 0.07 | 0.08 | 0.51 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 3 | P6 | 1 | 40.30 | 0.003 | 30.00 | 0.0 | 7.39 | 4.15 | 0.00 | 0.36 | 0.06 | 0.08 | 0.51 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 4 | P6 | 1 | 40.20 | 0.003 | 30.00 | 0.0 | 7.44 | 4.01 | 0.00 | 0.36 | 0.06 | 0.08 | 0.50 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 5 | P6 | 1 | 40.10 | 0.003 | 30.00 | 0.0 | 7.47 | 3.87 | 0.00 | 0.36 | 0.05 | 0.08 | 0.49 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 6 | P6 | 1 | 40.00 | 0.003 | 30.00 | 0.0 | 7.49 | 3.73 | 0.00 | 0.36 | 0.04 | 0.08 | 0.48 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 7 | P6 | 1 | 39.90 | 0.003 | 30.00 | 0.0 | 7.50 | 3.60 | 0.00 | 0.36 | 0.04 | 0.08 | 0.48 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 8 | P6 | 1 | 39.80 | 0.003 | 30.00 | 0.0 | 7.51 | 3.48 | 0.00 | 0.35 | 0.04 | 0.08 | 0.47 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 9 | P6 | 1 | 39.70 | 0.003 | 30.00 | 0.0 | 7.51 | 3.36 | 0.00 | 0.35 | 0.03 | 0.08 | 0.46 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 10 | P6 | 1 | 39.60 | 0.003 | 30.00 | 0.0 | 7.52 | 3.24 | 0.00 | 0.35 | 0.03 | 0.08 | 0.46 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 11 | P6 | 1 | 39.50 | 0.003 | 30.00 | 0.0 | 7.52 | 3.12 | 0.00 | 0.35 | 0.03 | 0.07 | 0.45 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 12 | P6 | 1 | 39.40 | 0.003 | 30.00 | 0.0 | 7.53 | 3.01 | 0.00 | 0.35 | 0.03 | 0.07 | 0.44 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 13 | P6 | 1 | 39.30 | 0.003 | 30.00 | 0.0 | 7.53 | 2.91 | 0.00 | 0.35 | 0.02 | 0.07 | 0.44 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 14 | P6 | 1 | 39.20 | 0.003 | 30.00 | 0.0 | 7.53 | 2.81 | 0.00 | 0.34 | 0.02 | 0.06 | 0.43 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 15 | P6 | 1 | 39.10 | 0.003 | 30.00 | 0.0 | 7.54 | 2.71 | 0.00 | 0.34 | 0.02 | 0.06 | 0.42 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 16 | P6 | 1 | 39.00 | 0.003 | 30.00 | 0.0 | 7.54 | 2.61 | 0.00 | 0.34 | 0.02 | 0.06 | 0.42 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 17 | P6 | 1 | 38.90 | 0.003 | 30.00 | 0.0 | 7.54 | 2.52 | 0.00 | 0.34 | 0.02 | 0.06 | 0.41 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 18 | P6 | 1 | 38.80 | 0.003 | 30.00 | 0.0 | 7.55 | 2.44 | 0.00 | 0.34 | 0.02 | 0.05 | 0.41 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | P6 | 1 | 38.70 | 0.003 | 30.00 | 0.0 | 7.55 | 2.35 | 0.00 | 0.34 | 0.02 | 0.05 | 0.40 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 20 | P6 | 1 | 38.60 | 0.003 | 30.00 | 0.0 | 7.55 | 2.27 | 0.00 | 0.33 | 0.02 | 0.05 | 0.40 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.500 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| WASTELOAD # 021 (LA0122424) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | P6 | 1 | 38.50 | 0.003 | 30.00 | 0.0 | 7.50 | 2.16 | 0.00 | 0.33 | 0.01 | 0.07 | 0.41 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 22 | P6 | 1 | 38.40 | 0.003 | 30.00 | 0.0 | 7.53 | 2.08 | 0.00 | 0.33 | 0.01 | 0.07 | 0.41 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 23 | P6 | 1 | 38.30 | 0.003 | 30.00 | 0.0 | 7.54 | 2.00 | 0.00 | 0.33 | 0.01 | 0.06 | 0.40 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 24 | P6 | 1 | 38.20 | 0.003 | 30.00 | 0.0 | 7.55 | 1.93 | 0.00 | 0.32 | 0.01 | 0.06 | 0.40 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 25 | P6 | 1 | 38.10 | 0.003 | 30.00 | 0.0 | 7.56 | 1.86 | 0.00 | 0.32 | 0.01 | 0.05 | 0.39 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 26 | P6 | 1 | 38.00 | 0.003 | 30.00 | 0.0 | 7.56 | 1.80 | 0.00 | 0.32 | 0.01 | 0.05 | 0.38 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 27 | P6 | 1 | 37.90 | 0.003 | 30.00 | 0.0 | 7.56 | 1.73 | 0.00 | 0.32 | 0.01 | 0.05 | 0.38 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 28 | P6 | 1 | 37.80 | 0.003 | 30.00 | 0.0 | 7.56 | 1.67 | 0.00 | 0.32 | 0.01 | 0.04 | 0.37 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 29 | P6 | 1 | 37.70 | 0.003 | 30.00 | 0.0 | 7.57 | 1.61 | 0.00 | 0.32 | 0.01 | 0.04 | 0.37 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 30 | P6 | 1 | 37.60 | 0.003 | 30.00 | 0.0 | 7.57 | 1.56 | 0.00 | 0.32 | 0.01 | 0.04 | 0.37 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 31 | P6 | 1 | 37.50 | 0.003 | 30.00 | 0.0 | 7.57 | 1.50 | 0.00 | 0.31 | 0.01 | 0.04 | 0.36 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 32 | P6 | 1 | 37.40 | 0.003 | 30.00 | 0.0 | 7.57 | 1.45 | 0.00 | 0.31 | 0.01 | 0.03 | 0.36 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 33 | P6 | 1 | 37.30 | 0.003 | 30.00 | 0.0 | 7.57 | 1.40 | 0.00 | 0.31 | 0.01 | 0.03 | 0.35 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 34 | P6 | 1 | 37.20 | 0.003 | 30.00 | 0.0 | 7.57 | 1.35 | 0.00 | 0.31 | 0.01 | 0.03 | 0.35 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 35 | P6 | 1 | 37.10 | 0.003 | 30.00 | 0.0 | 7.57 | 1.31 | 0.00 | 0.31 | 0.01 | 0.03 | 0.34 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 36 | P6 | 1 | 37.00 | 0.003 | 30.00 | 0.0 | 7.57 | 1.26 | 0.00 | 0.31 | 0.01 | 0.02 | 0.34 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 37 | P6 | 1 | 36.90 | 0.003 | 30.00 | 0.0 | 7.58 | 1.22 | 0.00 | 0.31 | 0.01 | 0.02 | 0.34 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 38 | P6 | 1 | 36.80 | 0.003 | 30.00 | 0.0 | 7.58 | 1.18 | 0.00 | 0.30 | 0.01 | 0.02 | 0.33 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 39 | P6 | 1 | 36.70 | 0.003 | 30.00 | 0.0 | 7.58 | 1.14 | 0.00 | 0.30 | 0.01 | 0.02 | 0.33 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 40 | P6 | 1 | 36.60 | 0.003 | 30.00 | 0.0 | 7.58 | 1.10 | 0.00 | 0.30 | 0.01 | 0.02 | 0.33 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 41 | P6 | 1 | 36.50 | 0.003 | 30.00 | 0.0 | 7.58 | 1.07 | 0.00 | 0.30 | 0.01 | 0.01 | 0.32 | 0.00 | 0.00 | 1.5 | 0.0 | 0.34 | 2.7 | 0.003 | 0.003 | 7.559 | 2.497 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| WASTELOAD # 042 (Grp1-Rch1) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | P6 | 1 | 36.40 | 0.004 | 30.00 | 0.0 | 6.32 | 6.79 | 0.00 | 0.67 | 0.83 | 0.66 | 2.15 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 43 | P6 | 1 | 36.30 | 0.004 | 30.00 | 0.0 | 6.57 | 6.55 | 0.00 | 0.66 | 0.75 | 0.71 | 2.12 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 44 | P6 | 1 | 36.20 | 0.004 | 30.00 | 0.0 | 6.75 | 6.31 | 0.00 | 0.66 | 0.67 | 0.75 | 2.09 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 45 | P6 | 1 | 36.10 | 0.004 | 30.00 | 0.0 | 6.87 | 6.07 | 0.00 | 0.66 | 0.61 | 0.78 | 2.05 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 46 | P6 | 1 | 36.00 | 0.004 | 30.00 | 0.0 | 6.97 | 5.84 | 0.00 | 0.66 | 0.55 | 0.81 | 2.01 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 47 | P6 | 1 | 35.90 | 0.004 | 30.00 | 0.0 | 7.04 | 5.60 | 0.00 | 0.65 | 0.50 | 0.82 | 1.98 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 48 | P6 | 1 | 35.80 | 0.004 | 30.00 | 0.0 | 7.10 | 5.38 | 0.00 | 0.65 | 0.45 | 0.84 | 1.94 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 49 | P6 | 1 | 35.70 | 0.004 | 30.00 | 0.0 | 7.15 | 5.15 | 0.00 | 0.65 | 0.41 | 0.84 | 1.90 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 50 | P6 | 1 | 35.60 | 0.004 | 30.00 | 0.0 | 7.19 | 4.93 | 0.00 | 0.65 | 0.37 | 0.84 | 1.86 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 51 | P6 | 1 | 35.50 | 0.004 | 30.00 | 0.0 | 7.23 | 4.72 | 0.00 | 0.65 | 0.33 | 0.84 | 1.82 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 52 | P6 | 1 | 35.40 | 0.004 | 30.00 | 0.0 | 7.26 | 4.51 | 0.00 | 0.64 | 0.30 | 0.84 | 1.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 53 | P6 | 1 | 35.30 | 0.004 | 30.00 | 0.0 | 7.29 | 4.30 | 0.00 | 0.64 | 0.27 | 0.83 | 1.74 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 54 | P6 | 1 | 35.20 | 0.004 | 30.00 | 0.0 | 7.31 | 4.11 | 0.00 | 0.64 | 0.25 | 0.82 | 1.71 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 55 | P6 | 1 | 35.10 | 0.004 | 30.00 | 0.0 | 7.34 | 3.91 | 0.00 | 0.64 | 0.23 | 0.81 | 1.67 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 56 | P6 | 1 | 35.00 | 0.004 | 30.00 | 0.0 | 7.36 | 3.73 | 0.00 | 0.64 | 0.20 | 0.79 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 57 | P6 | 1 | 34.90 | 0.004 | 30.00 | 0.0 | 7.38 | 3.55 | 0.00 | 0.63 | 0.19 | 0.78 | 1.60 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 58 | P6 | 1 | 34.80 | 0.004 | 30.00 | 0.0 | 7.40 | 3.37 | 0.00 | 0.63 | 0.17 | 0.76 | 1.56 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 59 | P6 | 1 | 34.70 | 0.004 | 30.00 | 0.0 | 7.41 | 3.21 | 0.00 | 0.63 | 0.15 | 0.74 | 1.53 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 60 | P6 | 1 | 34.60 | 0.004 | 30.00 | 0.0 | 7.43 | 3.05 | 0.00 | 0.63 | 0.14 | 0.73 | 1.49 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 61 | P6 | 1 | 34.50 | 0.004 | 30.00 | 0.0 | 7.44 | 2.89 | 0.00 | 0.62 | 0.13 | 0.71 | 1.46 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 62 | P6 | 1 | 34.40 | 0.004 | 30.00 | 0.0 | 7.45 | 2.74 | 0.00 | 0.62 | 0.12 | 0.69 | 1.43 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 63 | P6 | 1 | 34.30 | 0.004 | 30.00 | 0.0 | 7.46 | 2.60 | 0.00 | 0.62 | 0.11 | 0.67 | 1.40 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 64 | P6 | 1 | 34.20 | 0.004 | 30.00 | 0.0 | 7.47 | 2.46 | 0.00 | 0.62 | 0.10 | 0.65 | 1.37 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 65 | P6 | 1 | 34.10 | 0.004 | 30.00 | 0.0 | 7.48 | 2.32 | 0.00 | 0.62 | 0.09 | 0.63 | 1.34 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 66 | P6 | 1 | 34.00 | 0.004 | 30.00 | 0.0 | 7.49 | 2.20 | 0.00 | 0.61 | 0.08 | 0.61 | 1.31 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 67 | P6 | 1 | 33.90 | 0.004 | 30.00 | 0.0 | 7.50 | 2.07 | 0.00 | 0.61 | 0.08 | 0.59 | 1.28 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 68 | P6 | 1 | 33.80 | 0.004 | 30.00 | 0.0 | 7.51 | 1.96 | 0.00 | 0.61 | 0.07 | 0.57 | 1.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 69 | P6 | 1 | 33.70 | 0.004 | 30.00 | 0.0 | 7.51 | 1.85 | 0.00 | 0.61 | 0.07 | 0.56 | 1.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 70 | P6 | 1 | 33.60 | 0.004 | 30.00 | 0.0 | 7.52 | 1.74 | 0.00 | 0.61 | 0.06 | 0.54 | 1.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 71 | P6 | 1 | 33.50 | 0.004 | 30.00 | 0.0 | 7.53 | 1.63 | 0.00 | 0.60 | 0.06 | 0.52 | 1.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | P6 | 1 | 33.40 | 0.004 | 30.00 | 0.0 | 7.53 | 1.54 | 0.00 | 0.60 | 0.05 | 0.50 | 1.16 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 73 | P6 | 1 | 33.30 | 0.004 | 30.00 | 0.0 | 7.54 | 1.44 | 0.00 | 0.60 | 0.05 | 0.48 | 1.13 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 74 | P6 | 1 | 33.20 | 0.004 | 30.00 | 0.0 | 7.54 | 1.35 | 0.00 | 0.60 | 0.05 | 0.47 | 1.11 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 75 | P6 | 1 | 33.10 | 0.004 | 30.00 | 0.0 | 7.55 | 1.27 | 0.00 | 0.60 | 0.04 | 0.45 | 1.09 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 76 | P6 | 1 | 33.00 | 0.004 | 30.00 | 0.0 | 7.55 | 1.18 | 0.00 | 0.59 | 0.04 | 0.43 | 1.07 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 77 | P6 | 1 | 32.90 | 0.004 | 30.00 | 0.0 | 7.55 | 1.11 | 0.00 | 0.59 | 0.04 | 0.42 | 1.05 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 78 | P6 | 1 | 32.80 | 0.004 | 30.00 | 0.0 | 7.56 | 1.03 | 0.00 | 0.59 | 0.04 | 0.40 | 1.03 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 79 | P6 | 1 | 32.70 | 0.004 | 30.00 | 0.0 | 7.56 | 0.96 | 0.00 | 0.59 | 0.03 | 0.39 | 1.01 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 80 | P6 | 1 | 32.60 | 0.004 | 30.00 | 0.0 | 7.56 | 0.89 | 0.00 | 0.59 | 0.03 | 0.37 | 0.99 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 81 | P6 | 1 | 32.50 | 0.004 | 30.00 | 0.0 | 7.56 | 0.83 | 0.00 | 0.58 | 0.03 | 0.36 | 0.98 | 0.00 | 0.00 | 1.5 | 0.0 | 0.36 | 2.7 | 0.004 | 0.004 | 7.559 | 2.441 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| WASTELOAD # 082 (LAG541777) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | P6 | 1 | 32.40 | 0.005 | 30.00 | 0.0 | 6.55 | 5.32 | 0.00 | 0.80 | 0.67 | 0.76 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 83 | P6 | 1 | 32.30 | 0.005 | 30.00 | 0.0 | 6.73 | 5.14 | 0.00 | 0.80 | 0.62 | 0.79 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 84 | P6 | 1 | 32.20 | 0.005 | 30.00 | 0.0 | 6.86 | 4.97 | 0.00 | 0.80 | 0.57 | 0.81 | 2.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 85 | P6 | 1 | 32.10 | 0.005 | 30.00 | 0.0 | 6.96 | 4.80 | 0.00 | 0.79 | 0.52 | 0.83 | 2.15 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 86 | P6 | 1 | 32.00 | 0.005 | 30.00 | 0.0 | 7.03 | 4.63 | 0.00 | 0.79 | 0.48 | 0.84 | 2.12 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 87 | P6 | 1 | 31.90 | 0.005 | 30.00 | 0.0 | 7.09 | 4.47 | 0.00 | 0.79 | 0.45 | 0.85 | 2.08 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 88 | P6 | 1 | 31.80 | 0.005 | 30.00 | 0.0 | 7.14 | 4.30 | 0.00 | 0.79 | 0.41 | 0.85 | 2.05 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 89 | P6 | 1 | 31.70 | 0.005 | 30.00 | 0.0 | 7.18 | 4.14 | 0.00 | 0.79 | 0.38 | 0.86 | 2.02 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 90 | P6 | 1 | 31.60 | 0.005 | 30.00 | 0.0 | 7.21 | 3.99 | 0.00 | 0.78 | 0.35 | 0.86 | 1.99 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 91 | P6 | 1 | 31.50 | 0.005 | 30.00 | 0.0 | 7.24 | 3.83 | 0.00 | 0.78 | 0.33 | 0.85 | 1.96 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 92 | P6 | 1 | 31.40 | 0.005 | 30.00 | 0.0 | 7.27 | 3.68 | 0.00 | 0.78 | 0.30 | 0.85 | 1.93 | 0.00 | 0.00 | 1.5 | 0.0 | 0.37 | 2.7 | 0.005 | 0.005 | 7.559 | 2.411 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| WASTELOAD # 093 (LAG541118) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | P6 | 1 | 31.30 | 0.006 | 30.00 | 0.0 | 6.58 | 6.30 | 0.00 | 0.90 | 0.70 | 1.06 | 2.65 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 94 | P6 | 1 | 31.20 | 0.006 | 30.00 | 0.0 | 6.72 | 6.11 | 0.00 | 0.89 | 0.65 | 1.07 | 2.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 95 | P6 | 1 | 31.10 | 0.006 | 30.00 | 0.0 | 6.82 | 5.93 | 0.00 | 0.89 | 0.60 | 1.09 | 2.58 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 96 | P6 | 1 | 31.00 | 0.006 | 30.00 | 0.0 | 6.90 | 5.74 | 0.00 | 0.89 | 0.56 | 1.10 | 2.55 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 97 | P6 | 1 | 30.90 | 0.006 | 30.00 | 0.0 | 6.97 | 5.56 | 0.00 | 0.89 | 0.53 | 1.10 | 2.52 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 98 | P6 | 1 | 30.80 | 0.006 | 30.00 | 0.0 | 7.03 | 5.39 | 0.00 | 0.89 | 0.49 | 1.10 | 2.48 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 99 | P6 | 1 | 30.70 | 0.006 | 30.00 | 0.0 | 7.07 | 5.21 | 0.00 | 0.88 | 0.46 | 1.10 | 2.45 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 100 | P6 | 1 | 30.60 | 0.006 | 30.00 | 0.0 | 7.11 | 5.04 | 0.00 | 0.88 | 0.43 | 1.10 | 2.41 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 101 | P6 | 1 | 30.50 | 0.006 | 30.00 | 0.0 | 7.15 | 4.87 | 0.00 | 0.88 | 0.40 | 1.10 | 2.38 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 102 | P6 | 1 | 30.40 | 0.006 | 30.00 | 0.0 | 7.18 | 4.71 | 0.00 | 0.88 | 0.37 | 1.09 | 2.34 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 103 | P6 | 1 | 30.30 | 0.006 | 30.00 | 0.0 | 7.20 | 4.54 | 0.00 | 0.88 | 0.35 | 1.09 | 2.31 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 104 | P6 | 1 | 30.20 | 0.006 | 30.00 | 0.0 | 7.23 | 4.38 | 0.00 | 0.87 | 0.33 | 1.08 | 2.28 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 105 | P6 | 1 | 30.10 | 0.006 | 30.00 | 0.0 | 7.25 | 4.23 | 0.00 | 0.87 | 0.31 | 1.07 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 106 | P6 | 1 | 30.00 | 0.006 | 30.00 | 0.0 | 7.27 | 4.08 | 0.00 | 0.87 | 0.29 | 1.06 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 107 | P6 | 1 | 29.90 | 0.006 | 30.00 | 0.0 | 7.29 | 3.93 | 0.00 | 0.87 | 0.27 | 1.04 | 2.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 108 | P6 | 1 | 29.80 | 0.006 | 30.00 | 0.0 | 7.31 | 3.78 | 0.00 | 0.87 | 0.25 | 1.03 | 2.15 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 109 | P6 | 1 | 29.70 | 0.006 | 30.00 | 0.0 | 7.33 | 3.64 | 0.00 | 0.86 | 0.23 | 1.02 | 2.12 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 110 | P6 | 1 | 29.60 | 0.006 | 30.00 | 0.0 | 7.34 | 3.50 | 0.00 | 0.86 | 0.22 | 1.00 | 2.08 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 111 | P6 | 1 | 29.50 | 0.006 | 30.00 | 0.0 | 7.36 | 3.36 | 0.00 | 0.86 | 0.21 | 0.99 | 2.05 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 112 | P6 | 1 | 29.40 | 0.006 | 30.00 | 0.0 | 7.37 | 3.23 | 0.00 | 0.86 | 0.19 | 0.97 | 2.02 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 113 | P6 | 1 | 29.30 | 0.006 | 30.00 | 0.0 | 7.39 | 3.10 | 0.00 | 0.86 | 0.18 | 0.96 | 1.99 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 114 | P6 | 1 | 29.20 | 0.006 | 30.00 | 0.0 | 7.40 | 2.97 | 0.00 | 0.85 | 0.17 | 0.94 | 1.96 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 115 | P6 | 1 | 29.10 | 0.006 | 30.00 | 0.0 | 7.41 | 2.85 | 0.00 | 0.85 | 0.16 | 0.92 | 1.94 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 116 | P6 | 1 | 29.00 | 0.006 | 30.00 | 0.0 | 7.42 | 2.73 | 0.00 | 0.85 | 0.15 | 0.91 | 1.91 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 117 | P6 | 1 | 28.90 | 0.006 | 30.00 | 0.0 | 7.43 | 2.61 | 0.00 | 0.85 | 0.14 | 0.89 | 1.88 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 118 | P6 | 1 | 28.80 | 0.006 | 30.00 | 0.0 | 7.44 | 2.50 | 0.00 | 0.85 | 0.13 | 0.87 | 1.85 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 119 | P6 | 1 | 28.70 | 0.006 | 30.00 | 0.0 | 7.45 | 2.39 | 0.00 | 0.84 | 0.13 | 0.86 | 1.83 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 120 | P6 | 1 | 28.60 | 0.006 | 30.00 | 0.0 | 7.46 | 2.28 | 0.00 | 0.84 | 0.12 | 0.84 | 1.80 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 121 | P6 | 1 | 28.50 | 0.006 | 30.00 | 0.0 | 7.47 | 2.18 | 0.00 | 0.84 | 0.11 | 0.82 | 1.77 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| 122 | P6 | 1 | 28.40 | 0.006 | 30.00 | 0.0 | 7.47 | 2.08 | 0.00 | 0.84 | 0.11 | 0.80 | 1.75 | 0.00 | 0.00 | 1.5 | 0.0 | 0.38 | 2.7 | 0.006 | 0.006 | 7.559 | 2.397 | 0.05 | 0.03 | 0.00 | 0.00 | 0.40 | 0.00 |
| TRIBUTARY # 123 (Pont. Trib.) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 203 | P5 | 3 | 28.30 | 0.017 | 30.07 | 0.0 | 7.31 | 4.26 | 0.00 | 0.87 | 0.26 | 0.75 | 1.88 | 0.00 | 0.00 | 2.6 | 0.0 | 0.15 | 3.3 | 0.034 | 0.034 | 7.549 | 9.213 | 0.05 | 0.08 | 0.00 | 0.00 | 0.40 | 0.00 |
| 204 | P5 | 3 | 28.20 | 0.018 | 30.14 | 0.0 | 7.35 | 4.19 | 0.00 | 0.87 | 0.25 | 0.73 | 1.85 | 0.00 | 0.00 | 3.7 | 0.0 | 0.15 | 3.3 | 0.035 | 0.035 | 7.540 | 9.274 | 0.05 | 0.08 | 0.00 | 0.00 | 0.40 | 0.00 |
| 205 | P5 | 3 | 28.10 | 0.018 | 30.21 | 0.0 | 7.38 | 4.13 | 0.00 | 0.86 | 0.25 | 0.71 | 1.82 | 0.00 | 0.00 | 4.8 | 0.0 | 0.15 | 3.3 | 0.035 | 0.035 | 7.531 | 9.334 | 0.05 | 0.08 | 0.00 | 0.00 | 0.41 | 0.00 |
| 206 | P5 | 3 | 28.00 | 0.018 | 30.28 | 0.0 | 7.40 | 4.06 | 0.00 | 0.85 | 0.24 | 0.70 | 1.79 | 0.00 | 0.00 | 5.9 | 0.0 | 0.15 | 3.3 | 0.036 | 0.036 | 7.522 | 9.395 | 0.05 | 0.08 | 0.00 | 0.00 | 0.41 | 0.00 |
| 207 | P5 | 3 | 27.90 | 0.019 | 30.35 | 0.0 | 7.41 | 4.00 | 0.00 | 0.85 | 0.23 | 0.68 | 1.76 | 0.00 | 0.00 | 7.0 | 0.0 | 0.15 | 3.3 | 0.037 | 0.037 | 7.513 | 9.456 | 0.05 | 0.08 | 0.00 | 0.00 | 0.41 | 0.00 |
| 208 | P5 | 3 | 27.80 | 0.019 | 30.42 | 0.0 | 7.43 | 3.94 | 0.00 | 0.84 | 0.23 | 0.67 | 1.74 | 0.00 | 0.00 | 8.1 | 0.0 | 0.15 | 3.3 | 0.037 | 0.037 | 7.504 | 9.517 | 0.05 | 0.08 | 0.00 | 0.00 | 0.41 | 0.00 |
| 209 | P5 | 3 | 27.70 | 0.020 | 30.49 | 0.0 | 7.44 | 3.89 | 0.00 | 0.83 | 0.22 | 0.66 | 1.71 | 0.00 | 0.00 | 9.2 | 0.0 | 0.15 | 3.3 | 0.038 | 0.038 | 7.495 | 9.578 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| 210 | P5 | 3 | 27.60 | 0.020 | 30.56 | 0.0 | 7.45 | 3.84 | 0.00 | 0.83 | 0.21 | 0.64 | 1.69 | 0.00 | 0.00 | 10.3 | 0.0 | 0.15 | 3.3 | 0.039 | 0.039 | 7.486 | 9.639 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| 211 | P5 | 3 | 27.50 | 0.020 | 30.63 | 0.0 | 7.45 | 3.79 | 0.00 | 0.82 | 0.21 | 0.63 | 1.66 | 0.00 | 0.00 | 11.4 | 0.0 | 0.15 | 3.3 | 0.039 | 0.039 | 7.477 | 9.700 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| 212 | P5 | 3 | 27.40 | 0.021 | 30.70 | 0.0 | 7.46 | 3.74 | 0.00 | 0.82 | 0.20 | 0.62 | 1.64 | 0.00 | 0.00 | 12.4 | 0.0 | 0.15 | 3.3 | 0.040 | 0.040 | 7.468 | 9.761 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| WASTELOAD # 213 (Grp2-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 213 | P5 | 3 | 27.30 | 0.021 | 30.77 | 0.0 | 7.40 | 3.97 | 0.00 | 0.82 | 0.24 | 0.63 | 1.69 | 0.00 | 0.00 | 13.5 | 0.0 | 0.15 | 3.3 | 0.041 | 0.041 | 7.458 | 9.865 | 0.05 | 0.08 | 0.00 | 0.00 | 0.42 | 0.00 |
| 214 | P5 | 3 | 27.20 | 0.022 | 30.84 | 0.0 | 7.41 | 3.92 | 0.00 | 0.82 | 0.24 | 0.61 | 1.67 | 0.00 | 0.00 | 14.6 | 0.0 | 0.16 | 3.3 | 0.042 | 0.042 | 7.450 | 9.927 | 0.05 | 0.08 | 0.00 | 0.00 | 0.43 | 0.00 |
| 215 | P5 | 3 | 27.10 | 0.022 | 30.91 | 0.0 | 7.43 | 3.87 | 0.00 | 0.81 | 0.23 | 0.60 | 1.65 | 0.00 | 0.00 | 15.7 | 0.0 | 0.16 | 3.3 | 0.043 | 0.043 | 7.441 | 9.988 | 0.05 | 0.08 | 0.00 | 0.00 | 0.43 | 0.00 |
| 216 | P5 | 3 | 27.00 | 0.023 | 30.98 | 0.0 | 7.44 | 3.82 | 0.00 | 0.81 | 0.22 | 0.59 | 1.63 | 0.00 | 0.00 | 16.8 | 0.0 | 0.16 | 3.3 | 0.043 | 0.043 | 7.432 | 10.050 | 0.05 | 0.08 | 0.00 | 0.00 | 0.43 | 0.00 |
| 217 | P5 | 3 | 26.90 | 0.023 | 31.05 | 0.0 | 7.44 | 3.78 | 0.00 | 0.81 | 0.22 | 0.58 | 1.60 | 0.00 | 0.00 | 17.9 | 0.0 | 0.16 | 3.3 | 0.044 | 0.044 | 7.423 | 10.111 | 0.05 | 0.08 | 0.00 | 0.00 | 0.43 | 0.00 |
| 218 | P5 | 3 | 26.80 | 0.023 | 31.12 | 0.0 | 7.45 | 3.74 | 0.00 | 0.80 | 0.21 | 0.57 | 1.58 | 0.00 | 0.00 | 19.0 | 0.0 | 0.16 | 3.3 | 0.044 | 0.044 | 7.414 | 10.174 | 0.05 | 0.08 | 0.00 | 0.00 | 0.44 | 0.00 |
| 219 | P5 | 3 | 26.70 | 0.024 | 31.19 | 0.0 | 7.46 | 3.69 | 0.00 | 0.80 | 0.21 | 0.56 | 1.56 | 0.00 | 0.00 | 20.1 | 0.0 | 0.16 | 3.3 | 0.045 | 0.045 | 7.405 | 10.235 | 0.05 | 0.08 | 0.00 | 0.00 | 0.44 | 0.00 |
| WASTELOAD # 220 (Grp3-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | P5 | 3 | 26.60 | 0.024 | 31.26 | 0.0 | 7.41 | 3.92 | 0.00 | 0.81 | 0.24 | 0.56 | 1.61 | 0.00 | 0.00 | 21.2 | 0.0 | 0.16 | 3.3 | 0.046 | 0.046 | 7.397 | 10.334 | 0.05 | 0.08 | 0.00 | 0.00 | 0.44 | 0.00 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | P5 | 3 | 26.50 | 0.025 | 31.34 | 0.0 | 7.42 | 3.87 | 0.00 | 0.80 | 0.24 | 0.55 | 1.59 | 0.00 | 0.00 | 22.3 | 0.0 | 0.16 | 3.3 | 0.047 | 0.047 | 7.388 | 10.395 | 0.05 | 0.08 | 0.00 | 0.00 | 0.44 | 0.00 |
| 222 | P5 | 3 | 26.40 | 0.025 | 31.41 | 0.0 | 7.43 | 3.83 | 0.00 | 0.80 | 0.23 | 0.54 | 1.58 | 0.00 | 0.00 | 23.4 | 0.0 | 0.16 | 3.3 | 0.047 | 0.047 | 7.379 | 10.458 | 0.05 | 0.08 | 0.00 | 0.00 | 0.45 | 0.00 |
| 223 | P5 | 3 | 26.30 | 0.025 | 31.48 | 0.0 | 7.44 | 3.79 | 0.00 | 0.79 | 0.23 | 0.53 | 1.56 | 0.00 | 0.00 | 24.5 | 0.0 | 0.16 | 3.3 | 0.048 | 0.048 | 7.370 | 10.520 | 0.05 | 0.08 | 0.00 | 0.00 | 0.45 | 0.00 |
| 224 | P5 | 3 | 26.20 | 0.026 | 31.55 | 0.0 | 7.45 | 3.75 | 0.00 | 0.79 | 0.22 | 0.53 | 1.54 | 0.00 | 0.00 | 25.6 | 0.0 | 0.16 | 3.3 | 0.049 | 0.049 | 7.361 | 10.583 | 0.05 | 0.08 | 0.00 | 0.00 | 0.45 | 0.00 |
| 225 | P5 | 3 | 26.10 | 0.026 | 31.62 | 0.0 | 7.45 | 3.71 | 0.00 | 0.79 | 0.22 | 0.52 | 1.52 | 0.00 | 0.00 | 26.7 | 0.0 | 0.16 | 3.3 | 0.049 | 0.049 | 7.352 | 10.645 | 0.05 | 0.08 | 0.00 | 0.00 | 0.45 | 0.00 |
| 226 | P5 | 3 | 26.00 | 0.027 | 31.69 | 0.0 | 7.46 | 3.68 | 0.00 | 0.78 | 0.21 | 0.51 | 1.50 | 0.00 | 0.00 | 27.8 | 0.0 | 0.16 | 3.3 | 0.050 | 0.050 | 7.343 | 10.708 | 0.05 | 0.08 | 0.00 | 0.00 | 0.46 | 0.00 |
| 227 | P5 | 3 | 25.90 | 0.027 | 31.76 | 0.0 | 7.46 | 3.64 | 0.00 | 0.78 | 0.21 | 0.50 | 1.48 | 0.00 | 0.00 | 28.9 | 0.0 | 0.16 | 3.3 | 0.051 | 0.051 | 7.334 | 10.770 | 0.05 | 0.08 | 0.00 | 0.00 | 0.46 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WASTELOAD # 228 (LAG532004) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 228 | P5 | 3 | 25.80 | 0.027 | 31.83 | 0.0 | 7.46 | 3.64 | 0.00 | 0.78 | 0.21 | 0.49 | 1.48 | 0.00 | 0.00 | 30.0 | 0.0 | 0.16 | 3.3 | 0.051 | 0.051 | 7.326 | 10.836 | 0.05 | 0.08 | 0.00 | 0.00 | 0.46 | 0.00 |
| 229 | P5 | 3 | 25.70 | 0.028 | 31.90 | 0.0 | 7.46 | 3.61 | 0.00 | 0.77 | 0.21 | 0.48 | 1.46 | 0.00 | 0.00 | 31.1 | 0.0 | 0.16 | 3.3 | 0.052 | 0.052 | 7.317 | 10.899 | 0.05 | 0.08 | 0.00 | 0.00 | 0.46 | 0.00 |
| 230 | P5 | 3 | 25.60 | 0.028 | 31.97 | 0.0 | 7.46 | 3.57 | 0.00 | 0.77 | 0.20 | 0.47 | 1.44 | 0.00 | 0.00 | 32.1 | 0.0 | 0.16 | 3.3 | 0.052 | 0.052 | 7.308 | 10.962 | 0.05 | 0.08 | 0.00 | 0.00 | 0.47 | 0.00 |
| 231 | P5 | 3 | 25.50 | 0.029 | 32.04 | 0.0 | 7.47 | 3.54 | 0.00 | 0.77 | 0.20 | 0.46 | 1.43 | 0.00 | 0.00 | 33.2 | 0.0 | 0.16 | 3.3 | 0.053 | 0.053 | 7.300 | 11.023 | 0.05 | 0.08 | 0.00 | 0.00 | 0.47 | 0.00 |
| 232 | P5 | 3 | 25.40 | 0.029 | 32.11 | 0.0 | 7.47 | 3.51 | 0.00 | 0.76 | 0.19 | 0.46 | 1.41 | 0.00 | 0.00 | 34.3 | 0.0 | 0.16 | 3.3 | 0.054 | 0.054 | 7.291 | 11.087 | 0.05 | 0.08 | 0.00 | 0.00 | 0.47 | 0.00 |
| 233 | P5 | 3 | 25.30 | 0.029 | 32.18 | 0.0 | 7.47 | 3.48 | 0.00 | 0.76 | 0.19 | 0.45 | 1.40 | 0.00 | 0.00 | 35.4 | 0.0 | 0.16 | 3.3 | 0.054 | 0.054 | 7.283 | 11.150 | 0.05 | 0.08 | 0.00 | 0.00 | 0.48 | 0.00 |
| 234 | P5 | 3 | 25.20 | 0.030 | 32.25 | 0.0 | 7.47 | 3.45 | 0.00 | 0.76 | 0.19 | 0.44 | 1.38 | 0.00 | 0.00 | 36.5 | 0.0 | 0.16 | 3.3 | 0.055 | 0.055 | 7.274 | 11.212 | 0.05 | 0.08 | 0.00 | 0.00 | 0.48 | 0.00 |
| 235 | P5 | 3 | 25.10 | 0.030 | 32.32 | 0.0 | 7.47 | 3.43 | 0.00 | 0.76 | 0.18 | 0.43 | 1.37 | 0.00 | 0.00 | 37.6 | 0.0 | 0.16 | 3.3 | 0.056 | 0.056 | 7.265 | 11.276 | 0.05 | 0.08 | 0.00 | 0.00 | 0.48 | 0.00 |
| WASTELOAD # 236 (Grp4-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 236 | P5 | 3 | 25.00 | 0.033 | 32.39 | 0.0 | 7.27 | 4.33 | 0.00 | 0.78 | 0.34 | 0.54 | 1.66 | 0.00 | 0.00 | 38.7 | 0.0 | 0.16 | 3.3 | 0.060 | 0.060 | 7.257 | 11.655 | 0.05 | 0.08 | 0.00 | 0.00 | 0.48 | 0.00 |
| 237 | P5 | 3 | 24.90 | 0.033 | 32.46 | 0.0 | 7.31 | 4.29 | 0.00 | 0.78 | 0.33 | 0.53 | 1.64 | 0.00 | 0.00 | 39.8 | 0.0 | 0.16 | 3.3 | 0.061 | 0.061 | 7.248 | 11.717 | 0.05 | 0.08 | 0.00 | 0.00 | 0.49 | 0.00 |
| 238 | P5 | 3 | 24.80 | 0.034 | 32.53 | 0.0 | 7.33 | 4.25 | 0.00 | 0.78 | 0.32 | 0.52 | 1.62 | 0.00 | 0.00 | 40.9 | 0.0 | 0.16 | 3.3 | 0.061 | 0.061 | 7.240 | 11.780 | 0.05 | 0.08 | 0.00 | 0.00 | 0.49 | 0.00 |
| DIVERSION # 239 (YWRC) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 239 | P5 | 3 | 24.70 | -0.020 | 32.60 | 0.0 | 7.66 | 3.58 | 0.00 | 0.69 | 0.22 | 0.33 | 1.23 | 0.00 | 0.00 | 42.0 | 0.0 | 0.15 | 3.3 | -0.038 | 0.038 | 7.231 | 9.957 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.00 |
| 240 | P4 | 4 | 24.60 | -0.019 | 32.53 | 0.0 | 8.27 | 2.48 | 0.00 | 0.55 | 0.04 | 0.00 | 0.59 | 0.00 | 0.00 | 41.0 | 0.0 | 0.41 | 3.1 | -0.015 | 0.015 | 7.239 | 2.698 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 0.00 |
| 241 | P4 | 4 | 24.50 | -0.019 | 32.47 | 0.0 | 8.24 | 2.49 | 0.00 | 0.55 | 0.04 | 0.01 | 0.60 | 0.00 | 0.00 | 40.0 | 0.0 | 0.41 | 3.1 | -0.015 | 0.015 | 7.247 | 2.691 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 0.00 |
| 242 | P4 | 4 | 24.40 | -0.019 | 32.40 | 0.0 | 8.22 | 2.51 | 0.00 | 0.55 | 0.05 | 0.02 | 0.61 | 0.00 | 0.00 | 39.0 | 0.0 | 0.41 | 3.1 | -0.015 | 0.015 | 7.255 | 2.684 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 0.00 |
| 243 | P4 | 4 | 24.30 | -0.018 | 32.34 | 0.0 | 8.19 | 2.53 | 0.00 | 0.55 | 0.05 | 0.03 | 0.63 | 0.00 | 0.00 | 38.0 | 0.0 | 0.41 | 3.1 | -0.015 | 0.015 | 7.263 | 2.677 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 0.00 |
| 244 | P4 | 4 | 24.20 | -0.018 | 32.27 | 0.0 | 8.17 | 2.56 | 0.00 | 0.55 | 0.05 | 0.04 | 0.64 | 0.00 | 0.00 | 37.0 | 0.0 | 0.41 | 3.1 | -0.014 | 0.014 | 7.271 | 2.670 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 0.00 |
| 245 | P4 | 4 | 24.10 | -0.018 | 32.21 | 0.0 | 8.15 | 2.58 | 0.00 | 0.55 | 0.05 | 0.06 | 0.66 | 0.00 | 0.00 | 36.0 | 0.0 | 0.41 | 3.1 | -0.014 | 0.014 | 7.279 | 2.663 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 0.00 |
| 246 | P4 | 4 | 24.00 | -0.017 | 32.15 | 0.0 | 8.12 | 2.60 | 0.00 | 0.55 | 0.05 | 0.07 | 0.67 | 0.00 | 0.00 | 35.0 | 0.0 | 0.41 | 3.1 | -0.014 | 0.014 | 7.287 | 2.656 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 0.00 |
| 247 | P4 | 4 | 23.90 | -0.017 | 32.08 | 0.0 | 8.10 | 2.63 | 0.00 | 0.55 | 0.05 | 0.08 | 0.68 | 0.00 | 0.00 | 34.0 | 0.0 | 0.40 | 3.1 | -0.014 | 0.014 | 7.295 | 2.649 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 0.00 |
| 248 | P4 | 4 | 23.80 | -0.017 | 32.01 | 0.0 | 8.07 | 2.66 | 0.00 | 0.55 | 0.06 | 0.09 | 0.70 | 0.00 | 0.00 | 33.1 | 0.0 | 0.40 | 3.1 | -0.013 | 0.013 | 7.303 | 2.642 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 0.00 |
| 249 | P4 | 4 | 23.70 | -0.016 | 31.95 | 0.0 | 8.05 | 2.69 | 0.00 | 0.55 | 0.06 | 0.11 | 0.72 | 0.00 | 0.00 | 32.1 | 0.0 | 0.40 | 3.1 | -0.013 | 0.013 | 7.311 | 2.636 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 0.00 |
| 250 | P4 | 4 | 23.60 | -0.016 | 31.88 | 0.0 | 8.02 | 2.72 | 0.00 | 0.55 | 0.06 | 0.12 | 0.73 | 0.00 | 0.00 | 31.1 | 0.0 | 0.40 | 3.1 | -0.013 | 0.013 | 7.319 | 2.629 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 0.00 |
| 251 | P4 | 4 | 23.50 | -0.016 | 31.82 | 0.0 | 8.00 | 2.75 | 0.00 | 0.55 | 0.06 | 0.13 | 0.75 | 0.00 | 0.00 | 30.1 | 0.0 | 0.40 | 3.1 | -0.013 | 0.013 | 7.327 | 2.623 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 0.00 |
| 252 | P4 | 4 | 23.40 | -0.015 | 31.75 | 0.0 | 7.97 | 2.79 | 0.00 | 0.55 | 0.07 | 0.14 | 0.76 | 0.00 | 0.00 | 29.1 | 0.0 | 0.40 | 3.1 | -0.012 | 0.012 | 7.335 | 2.616 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 0.00 |
| 253 | P4 | 4 | 23.30 | -0.015 | 31.69 | 0.0 | 7.95 | 2.82 | 0.00 | 0.56 | 0.07 | 0.16 | 0.78 | 0.00 | 0.00 | 28.1 | 0.0 | 0.40 | 3.1 | -0.012 | 0.012 | 7.343 | 2.610 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 0.00 |
| 254 | P4 | 4 | 23.20 | -0.014 | 31.62 | 0.0 | 7.92 | 2.86 | 0.00 | 0.56 | 0.07 | 0.17 | 0.80 | 0.00 | 0.00 | 27.1 | 0.0 | 0.40 | 3.1 | -0.012 | 0.012 | 7.351 | 2.604 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 255 | P4 | 4 | 23.10 | -0.014 | 31.56 | 0.0 | 7.90 | 2.91 | 0.00 | 0.56 | 0.07 | 0.19 | 0.82 | 0.00 | 0.00 | 26.1 | 0.0 | 0.39 | 3.1 | -0.012 | 0.012 | 7.359 | 2.598 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 256 | P4 | 4 | 23.00 | -0.014 | 31.49 | 0.0 | 7.87 | 2.95 | 0.00 | 0.56 | 0.08 | 0.20 | 0.84 | 0.00 | 0.00 | 25.1 | 0.0 | 0.39 | 3.1 | -0.011 | 0.011 | 7.367 | 2.592 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 257 | P4 | 4 | 22.90 | -0.013 | 31.43 | 0.0 | 7.85 | 3.00 | 0.00 | 0.56 | 0.08 | 0.22 | 0.86 | 0.00 | 0.00 | 24.1 | 0.0 | 0.39 | 3.1 | -0.011 | 0.011 | 7.376 | 2.587 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 258 | P4 | 4 | 22.80 | -0.013 | 31.36 | 0.0 | 7.82 | 3.06 | 0.00 | 0.56 | 0.09 | 0.23 | 0.88 | 0.00 | 0.00 | 23.1 | 0.0 | 0.39 | 3.1 | -0.011 | 0.011 | 7.384 | 2.581 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 0.00 |
| 259 | P4 | 4 | 22.70 | -0.013 | 31.30 | 0.0 | 7.79 | 3.12 | 0.00 | 0.56 | 0.09 | 0.25 | 0.90 | 0.00 | 0.00 | 22.1 | 0.0 | 0.39 | 3.1 | -0.011 | 0.011 | 7.392 | 2.576 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 0.00 |
| 260 | P4 | 4 | 22.60 | -0.012 | 31.23 | 0.0 | 7.77 | 3.18 | 0.00 | 0.56 | 0.10 | 0.26 | 0.92 | 0.00 | 0.00 | 21.1 | 0.0 | 0.39 | 3.1 | -0.010 | 0.010 | 7.400 | 2.570 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 0.00 |
| 261 | P4 | 4 | 22.50 | -0.012 | 31.17 | 0.0 | 7.74 | 3.24 | 0.00 | 0.56 | 0.10 | 0.28 | 0.95 | 0.00 | 0.00 | 20.1 | 0.0 | 0.39 | 3.1 | -0.010 | 0.010 | 7.408 | 2.565 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 0.00 |
| 262 | P4 | 4 | 22.40 | -0.012 | 31.10 | 0.0 | 7.71 | 3.32 | 0.00 | 0.56 | 0.11 | 0.30 | 0.97 | 0.00 | 0.00 | 19.1 | 0.0 | 0.39 | 3.1 | -0.010 | 0.010 | 7.416 | 2.561 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 0.00 |
| 263 | P4 | 4 | 22.30 | -0.011 | 31.04 | 0.0 | 7.68 | 3.39 | 0.00 | 0.57 | 0.12 | 0.31 | 1.00 | 0.00 | 0.00 | 18.2 | 0.0 | 0.38 | 3.1 | -0.010 | 0.010 | 7.425 | 2.556 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 264 | P4 | 4 | 22.20 | -0.011 | 30.97 | 0.0 | 7.65 | 3.48 | 0.00 | 0.57 | 0.13 | 0.33 | 1.02 | 0.00 | 0.00 | 17.2 | 0.0 | 0.38 | 3.1 | -0.009 | 0.009 | 7.433 | 2.552 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 265 | P4 | 4 | 22.10 | -0.011 | 30.91 | 0.0 | 7.62 | 3.57 | 0.00 | 0.57 | 0.13 | 0.35 | 1.05 | 0.00 | 0.00 | 16.2 | 0.0 | 0.38 | 3.1 | -0.009 | 0.009 | 7.441 | 2.547 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 266 | P4 | 4 | 22.00 | -0.010 | 30.84 | 0.0 | 7.58 | 3.67 | 0.00 | 0.57 | 0.14 | 0.37 | 1.08 | 0.00 | 0.00 | 15.2 | 0.0 | 0.38 | 3.1 | -0.009 | 0.009 | 7.450 | 2.543 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 267 | P4 | 4 | 21.90 | -0.010 | 30.78 | 0.0 | 7.55 | 3.77 | 0.00 | 0.57 | 0.16 | 0.39 | 1.11 | 0.00 | 0.00 | 14.2 | 0.0 | 0.38 | 3.1 | -0.009 | 0.009 | 7.458 | 2.540 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 0.00 |
| 268 | P4 | 4 | 21.80 | -0.010 | 30.72 | 0.0 | 7.51 | 3.89 | 0.00 | 0.57 | 0.17 | 0.41 | 1.15 | 0.00 | 0.00 | 13.2 | 0.0 | 0.38 | 3.1 | -0.008 | 0.008 | 7.466 | 2.536 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 0.00 |
| 269 | P4 | 4 | 21.70 | -0.009 | 30.65 | 0.0 | 7.47 | 4.02 | 0.00 | 0.57 | 0.18 | 0.43 | 1.18 | 0.00 | 0.00 | 12.2 | 0.0 | 0.37 | 3.1 | -0.008 | 0.008 | 7.474 | 2.533 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 0.00 |
| 270 | P4 | 4 | 21.60 | -0.009 | 30.58 | 0.0 | 7.42 | 4.16 | 0.00 | 0.58 | 0.20 | 0.45 | 1.22 | 0.00 | 0.00 | 11.2 | 0.0 | 0.37 | 3.1 | -0.008 | 0.008 | 7.482 | 2.531 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 0.00 |
| 271 | P4 | 4 | 21.50 | -0.008 | 30.52 | 0.0 | 7.37 | 4.31 | 0.00 | 0.58 | 0.22 | 0.47 | 1.26 | 0.00 | 0.00 | 10.2 | 0.0 | 0.37 | 3.1 | -0.007 | 0.007 | 7.491 | 2.528 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 0.00 |
| 272 | P4 | 4 | 21.40 | -0.008 | 30.45 | 0.0 | 7.31 | 4.48 | 0.00 | 0.58 | 0.24 | 0.49 | 1.31 | 0.00 | 0.00 | 9.2 | 0.0 | 0.37 | 3.1 | -0.007 | 0.007 | 7.500 | 2.527 | 0.05 | 0.03 | 0.00 | 0.00 | 0.41 | 0.00 |
| 273 | P4 | 4 | 21.30 | -0.008 | 30.39 | 0.0 | 7.24 | 4.67 | 0.00 | 0.58 | 0.26 | 0.51 | 1.36 | 0.00 | 0.00 | 8.2 | 0.0 | 0.37 | 3.1 | -0.007 | 0.007 | 7.508 | 2.525 | 0.05 | 0.03 | 0.00 | 0.00 | 0.41 | 0.00 |
| 274 | P4 | 4 | 21.20 | -0.007 | 30.33 | 0.0 | 7.15 | 4.88 | 0.00 | 0.59 | 0.29 | 0.54 | 1.41 | 0.00 | 0.00 | 7.2 | 0.0 | 0.36 | 3.1 | -0.007 | 0.007 | 7.516 | 2.524 | 0.05 | 0.04 | 0.00 | 0.00 | 0.41 | 0.00 |
| 275 | P4 | 4 | 21.10 | -0.007 | 30.26 | 0.0 | 7.03 | 5.11 | 0.00 | 0.59 | 0.32 | 0.56 | 1.47 | 0.00 | 0.00 | 6.2 | 0.0 | 0.36 | 3.1 | -0.006 | 0.006 | 7.524 | 2.524 | 0.05 | 0.04 | 0.00 | 0.00 | 0.41 | 0.00 |
| 276 | P4 | 4 | 21.00 | -0.007 | 30.19 | 0.0 | 6.87 | 5.38 | 0.00 | 0.59 | 0.36 | 0.58 | 1.53 | 0.00 | 0.00 | 5.2 | 0.0 | 0.36 | 3.1 | -0.006 | 0.006 | 7.533 | 2.524 | 0.05 | 0.04 | 0.00 | 0.00 | 0.41 | 0.00 |
| WASTELOAD # 277 (Grp5-Rch4) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 277 | P4 | 4 | 20.90 | -0.006 | 30.13 | 0.0 | 6.65 | 5.67 | 0.00 | 0.60 | 0.40 | 0.61 | 1.60 | 0.00 | 0.00 | 4.2 | 0.0 | 0.35 | 3.1 | -0.005 | 0.005 | 7.542 | 2.538 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 278 | P4 | 4 | 20.80 | -0.005 | 30.07 | 0.0 | 6.88 | 4.02 | 0.00 | 0.48 | 0.10 | 0.43 | 1.02 | 0.00 | 0.00 | 3.2 | 0.0 | 0.35 | 3.1 | -0.005 | 0.005 | 7.550 | 2.542 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| 279 | P4 | 4 | 20.70 | -0.005 | 30.00 | 0.0 | 6.51 | 4.26 | 0.00 | 0.48 | 0.12 | 0.47 | 1.06 | 0.00 | 0.00 | 2.2 | 0.0 | 0.34 | 3.1 | -0.005 | 0.005 | 7.559 | 2.547 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 0.00 |
| TRIBUTARY # 280 (East Pont.) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 389 | P3 | 6 | 20.60 | 0.018 | 30.04 | 0.0 | 5.87 | 4.54 | 0.00 | 0.47 | 0.14 | 0.51 | 1.12 | 0.00 | 0.00 | 2.5 | 0.0 | 0.10 | 3.2 | 0.054 | 0.054 | 7.553 | 12.037 | 0.05 | 0.12 | 0.00 | 0.00 | 0.40 | 0.30 |
| 390 | P3 | 6 | 20.50 | 0.023 | 30.08 | 0.0 | 6.29 | 5.51 | 0.00 | 0.43 | 0.12 | 0.48 | 1.03 | 0.00 | 0.00 | 2.7 | 0.0 | 0.10 | 3.2 | 0.068 | 0.068 | 7.548 | 12.045 | 0.05 | 0.12 | 0.00 | 0.00 | 0.40 | 0.30 |
| 391 | P3 | 6 | 20.40 | 0.028 | 30.12 | 0.0 | 6.53 | 6.12 | 0.00 | 0.41 | 0.12 | 0.46 | 0.98 | 0.00 | 0.00 | 2.9 | 0.0 | 0.11 | 3.2 | 0.081 | 0.081 | 7.543 | 12.054 | 0.05 | 0.12 | 0.00 | 0.00 | 0.40 | 0.30 |
| 392 | P3 | 6 | 20.30 | 0.033 | 30.16 | 0.0 | 6.67 | 6.54 | 0.00 | 0.39 | 0.11 | 0.44 | 0.95 | 0.00 | 0.00 | 3.1 | 0.0 | 0.11 | 3.2 | 0.094 | 0.094 | 7.538 | 12.062 | 0.05 | 0.12 | 0.00 | 0.00 | 0.40 | 0.30 |
| WASTELOAD # 393 (LAG541365) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 393 | P3 | 6 | 20.20 | 0.038 | 30.20 | 0.0 | 6.72 | 6.99 | 0.00 | 0.39 | 0.14 | 0.45 | 0.98 | 0.00 | 0.00 | 3.3 | 0.0 | 0.11 | 3.2 | 0.107 | 0.107 | 7.532 | 12.071 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.30 |
| 394 | P3 | 6 | 20.10 | 0.044 | 30.24 | 0.0 | 6.79 | 7.20 | 0.00 | 0.38 | 0.13 | 0.44 | 0.95 | 0.00 | 0.00 | 3.5 | 0.0 | 0.11 | 3.2 | 0.119 | 0.119 | 7.528 | 12.078 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.30 |
| 395 | P3 | 6 | 20.00 | 0.049 | 30.28 | 0.0 | 6.84 | 7.37 | 0.00 | 0.37 | 0.13 | 0.43 | 0.93 | 0.00 | 0.00 | 3.7 | 0.0 | 0.12 | 3.2 | 0.132 | 0.132 | 7.522 | 12.086 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.31 |
| 396 | P3 | 6 | 19.90 | 0.054 | 30.32 | 0.0 | 6.88 | 7.51 | 0.00 | 0.36 | 0.12 | 0.43 | 0.91 | 0.00 | 0.00 | 3.9 | 0.0 | 0.12 | 3.2 | 0.143 | 0.143 | 7.517 | 12.096 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.31 |
| 397 | P3 | 6 | 19.80 | 0.059 | 30.36 | 0.0 | 6.91 | 7.63 | 0.00 | 0.36 | 0.12 | 0.42 | 0.90 | 0.00 | 0.00 | 4.1 | 0.0 | 0.12 | 3.2 | 0.155 | 0.155 | 7.512 | 12.104 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.31 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398 | P3 | 6 | 19.70 | 0.064 | 30.40 | 0.0 | 6.94 | 7.72 | 0.00 | 0.35 | 0.12 | 0.42 | 0.89 | 0.00 | 0.00 | 4.3 | 0.0 | 0.12 | 3.2 | 0.167 | 0.167 | 7.507 | 12.111 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.31 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 399 | P3 | 6 | 19.60 | 0.069 | 30.44 | 0.0 | 6.95 | 7.80 | 0.00 | 0.35 | 0.12 | 0.41 | 0.88 | 0.00 | 0.00 | 4.5 | 0.0 | 0.12 | 3.2 | 0.179 | 0.179 | 7.502 | 12.120 | 0.05 | 0.11 | 0.00 | 0.00 | 0.41 | 0.31 |
| 400 | P3 | 6 | 19.50 | 0.074 | 30.48 | 0.0 | 6.97 | 7.87 | 0.00 | 0.35 | 0.11 | 0.41 | 0.87 | 0.00 | 0.00 | 4.7 | 0.0 | 0.12 | 3.2 | 0.190 | 0.190 | 7.497 | 12.128 | 0.05 | 0.11 | 0.00 | 0.00 | 0.42 | 0.31 |
| 401 | P3 | 6 | 19.40 | 0.079 | 30.52 | 0.0 | 6.98 | 7.93 | 0.00 | 0.34 | 0.11 | 0.41 | 0.86 | 0.00 | 0.00 | 4.9 | 0.0 | 0.12 | 3.2 | 0.201 | 0.201 | 7.491 | 12.137 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.31 |
| 402 | P3 | 6 | 19.30 | 0.084 | 30.56 | 0.0 | 6.99 | 7.99 | 0.00 | 0.34 | 0.11 | 0.40 | 0.86 | 0.00 | 0.00 | 5.1 | 0.0 | 0.12 | 3.2 | 0.213 | 0.213 | 7.486 | 12.145 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.31 |
| 403 | P3 | 6 | 19.20 | 0.089 | 30.60 | 0.0 | 7.00 | 8.03 | 0.00 | 0.34 | 0.11 | 0.40 | 0.85 | 0.00 | 0.00 | 5.3 | 0.0 | 0.12 | 3.2 | 0.224 | 0.224 | 7.481 | 12.153 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.31 |
| 404 | P3 | 6 | 19.10 | 0.095 | 30.64 | 0.0 | 7.01 | 8.07 | 0.00 | 0.34 | 0.11 | 0.40 | 0.84 | 0.00 | 0.00 | 5.5 | 0.0 | 0.13 | 3.2 | 0.235 | 0.235 | 7.476 | 12.161 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.31 |
| 405 | P3 | 6 | 19.00 | 0.100 | 30.68 | 0.0 | 7.01 | 8.11 | 0.00 | 0.33 | 0.11 | 0.40 | 0.84 | 0.00 | 0.00 | 5.7 | 0.0 | 0.13 | 3.2 | 0.246 | 0.246 | 7.471 | 12.170 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.31 |
| 406 | P3 | 6 | 18.90 | 0.105 | 30.72 | 0.0 | 7.02 | 8.15 | 0.00 | 0.33 | 0.11 | 0.40 | 0.84 | 0.00 | 0.00 | 5.9 | 0.0 | 0.13 | 3.2 | 0.257 | 0.257 | 7.466 | 12.178 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.31 |
| 407 | P3 | 6 | 18.80 | 0.110 | 30.76 | 0.0 | 7.02 | 8.18 | 0.00 | 0.33 | 0.10 | 0.40 | 0.83 | 0.00 | 0.00 | 6.1 | 0.0 | 0.13 | 3.2 | 0.268 | 0.268 | 7.461 | 12.185 | 0.05 | 0.10 | 0.00 | 0.00 | 0.42 | 0.31 |
| 408 | P3 | 6 | 18.70 | 0.115 | 30.80 | 0.0 | 7.03 | 8.20 | 0.00 | 0.33 | 0.10 | 0.39 | 0.83 | 0.00 | 0.00 | 6.3 | 0.0 | 0.13 | 3.2 | 0.279 | 0.279 | 7.456 | 12.194 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.32 |
| 409 | P3 | 6 | 18.60 | 0.120 | 30.84 | 0.0 | 7.03 | 8.23 | 0.00 | 0.33 | 0.10 | 0.39 | 0.82 | 0.00 | 0.00 | 6.5 | 0.0 | 0.13 | 3.2 | 0.289 | 0.289 | 7.451 | 12.202 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.32 |
| 410 | P3 | 6 | 18.50 | 0.125 | 30.88 | 0.0 | 7.03 | 8.25 | 0.00 | 0.33 | 0.10 | 0.39 | 0.82 | 0.00 | 0.00 | 6.7 | 0.0 | 0.13 | 3.2 | 0.300 | 0.300 | 7.446 | 12.211 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.32 |
| 411 | P3 | 6 | 18.40 | 0.130 | 30.92 | 0.0 | 7.03 | 8.28 | 0.00 | 0.33 | 0.10 | 0.39 | 0.82 | 0.00 | 0.00 | 6.9 | 0.0 | 0.13 | 3.2 | 0.311 | 0.311 | 7.441 | 12.219 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.32 |
| 412 | P3 | 6 | 18.30 | 0.135 | 30.96 | 0.0 | 7.04 | 8.30 | 0.00 | 0.33 | 0.10 | 0.39 | 0.82 | 0.00 | 0.00 | 7.1 | 0.0 | 0.13 | 3.2 | 0.321 | 0.321 | 7.436 | 12.227 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.32 |
| 413 | P3 | 6 | 18.20 | 0.140 | 30.99 | 0.0 | 7.04 | 8.31 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.00 | 0.00 | 7.3 | 0.0 | 0.13 | 3.2 | 0.332 | 0.332 | 7.430 | 12.237 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.32 |
| 414 | P3 | 6 | 18.10 | 0.146 | 31.03 | 0.0 | 7.04 | 8.33 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.00 | 0.00 | 7.5 | 0.0 | 0.13 | 3.2 | 0.342 | 0.342 | 7.426 | 12.244 | 0.05 | 0.10 | 0.00 | 0.00 | 0.43 | 0.32 |
| 415 | P3 | 6 | 18.00 | 0.151 | 31.07 | 0.0 | 7.04 | 8.35 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.00 | 0.00 | 7.7 | 0.0 | 0.13 | 3.2 | 0.353 | 0.353 | 7.420 | 12.253 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.32 |
| 416 | P3 | 6 | 17.90 | 0.156 | 31.11 | 0.0 | 7.04 | 8.36 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.00 | 0.00 | 7.9 | 0.0 | 0.13 | 3.2 | 0.363 | 0.363 | 7.415 | 12.262 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.32 |
| 417 | P3 | 6 | 17.80 | 0.161 | 31.15 | 0.0 | 7.04 | 8.38 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.00 | 0.00 | 8.1 | 0.0 | 0.13 | 3.2 | 0.373 | 0.373 | 7.410 | 12.270 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.32 |
| 418 | P3 | 6 | 17.70 | 0.166 | 31.19 | 0.0 | 7.04 | 8.39 | 0.00 | 0.32 | 0.10 | 0.39 | 0.80 | 0.00 | 0.00 | 8.3 | 0.0 | 0.14 | 3.2 | 0.384 | 0.384 | 7.406 | 12.277 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.32 |
| 419 | P3 | 6 | 17.60 | 0.171 | 31.23 | 0.0 | 7.04 | 8.40 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 8.5 | 0.0 | 0.14 | 3.2 | 0.394 | 0.394 | 7.400 | 12.286 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.32 |
| 420 | P3 | 6 | 17.50 | 0.176 | 31.27 | 0.0 | 7.04 | 8.41 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 8.7 | 0.0 | 0.14 | 3.2 | 0.404 | 0.404 | 7.395 | 12.295 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.33 |
| 421 | P3 | 6 | 17.40 | 0.181 | 31.31 | 0.0 | 7.04 | 8.42 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 8.9 | 0.0 | 0.14 | 3.2 | 0.414 | 0.414 | 7.390 | 12.303 | 0.05 | 0.10 | 0.00 | 0.00 | 0.44 | 0.33 |
| 422 | P3 | 6 | 17.30 | 0.186 | 31.35 | 0.0 | 7.04 | 8.43 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 9.1 | 0.0 | 0.14 | 3.2 | 0.425 | 0.425 | 7.385 | 12.312 | 0.05 | 0.10 | 0.00 | 0.00 | 0.45 | 0.33 |
| 423 | P3 | 6 | 17.20 | 0.191 | 31.39 | 0.0 | 7.04 | 8.44 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 9.3 | 0.0 | 0.14 | 3.2 | 0.435 | 0.435 | 7.380 | 12.320 | 0.05 | 0.10 | 0.00 | 0.00 | 0.45 | 0.33 |
| 424 | P3 | 6 | 17.10 | 0.197 | 31.43 | 0.0 | 7.04 | 8.45 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 9.5 | 0.0 | 0.14 | 3.2 | 0.445 | 0.445 | 7.375 | 12.328 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.33 |
| 425 | P3 | 6 | 17.00 | 0.202 | 31.47 | 0.0 | 7.04 | 8.46 | 0.00 | 0.32 | 0.10 | 0.38 | 0.79 | 0.00 | 0.00 | 9.7 | 0.0 | 0.14 | 3.2 | 0.455 | 0.455 | 7.370 | 12.336 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.33 |
| 426 | P3 | 6 | 16.90 | 0.207 | 31.51 | 0.0 | 7.04 | 8.47 | 0.00 | 0.32 | 0.10 | 0.38 | 0.79 | 0.00 | 0.00 | 9.9 | 0.0 | 0.14 | 3.2 | 0.465 | 0.465 | 7.366 | 12.344 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.33 |
| 427 | P3 | 6 | 16.80 | 0.212 | 31.55 | 0.0 | 7.04 | 8.48 | 0.00 | 0.32 | 0.10 | 0.38 | 0.79 | 0.00 | 0.00 | 10.1 | 0.0 | 0.14 | 3.2 | 0.475 | 0.475 | 7.361 | 12.352 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.33 |
| | WASTELOAD # 428 (Grp9-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 428 | P3 | 6 | 16.70 | 0.219 | 31.59 | 0.0 | 7.01 | 8.55 | 0.00 | 0.32 | 0.11 | 0.39 | 0.83 | 0.00 | 0.00 | 10.3 | 0.0 | 0.14 | 3.2 | 0.488 | 0.488 | 7.356 | 12.361 | 0.05 | 0.09 | 0.00 | 0.00 | 0.45 | 0.33 |
| 429 | P3 | 6 | 16.60 | 0.224 | 31.63 | 0.0 | 7.01 | 8.55 | 0.00 | 0.32 | 0.11 | 0.39 | 0.83 | 0.00 | 0.00 | 10.5 | 0.0 | 0.14 | 3.2 | 0.498 | 0.498 | 7.350 | 12.369 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.33 |
| 430 | P3 | 6 | 16.50 | 0.229 | 31.67 | 0.0 | 7.01 | 8.56 | 0.00 | 0.32 | 0.11 | 0.39 | 0.83 | 0.00 | 0.00 | 10.7 | 0.0 | 0.14 | 3.2 | 0.508 | 0.508 | 7.346 | 12.377 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.33 |
| 431 | P3 | 6 | 16.40 | 0.234 | 31.71 | 0.0 | 7.01 | 8.56 | 0.00 | 0.32 | 0.11 | 0.39 | 0.83 | 0.00 | 0.00 | 10.9 | 0.0 | 0.14 | 3.2 | 0.518 | 0.518 | 7.340 | 12.386 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.33 |
| 432 | P3 | 6 | 16.30 | 0.239 | 31.75 | 0.0 | 7.01 | 8.57 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 11.1 | 0.0 | 0.14 | 3.2 | 0.528 | 0.528 | 7.335 | 12.395 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.34 |
| 433 | P3 | 6 | 16.20 | 0.244 | 31.79 | 0.0 | 7.01 | 8.57 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 11.3 | 0.0 | 0.14 | 3.2 | 0.538 | 0.538 | 7.331 | 12.403 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.34 |
| 434 | P3 | 6 | 16.10 | 0.249 | 31.83 | 0.0 | 7.01 | 8.58 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 11.5 | 0.0 | 0.14 | 3.2 | 0.547 | 0.547 | 7.326 | 12.411 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.34 |
| 435 | P3 | 6 | 16.00 | 0.255 | 31.87 | 0.0 | 7.01 | 8.58 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 11.7 | 0.0 | 0.14 | 3.2 | 0.557 | 0.557 | 7.321 | 12.420 | 0.05 | 0.09 | 0.00 | 0.00 | 0.46 | 0.34 |
| 436 | P3 | 6 | 15.90 | 0.260 | 31.91 | 0.0 | 7.01 | 8.59 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 11.9 | 0.0 | 0.14 | 3.2 | 0.567 | 0.567 | 7.316 | 12.428 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.34 |
| 437 | P3 | 6 | 15.80 | 0.265 | 31.95 | 0.0 | 7.02 | 8.59 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 12.1 | 0.0 | 0.14 | 3.2 | 0.577 | 0.577 | 7.311 | 12.436 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.34 |
| 438 | P3 | 6 | 15.70 | 0.270 | 31.99 | 0.0 | 7.02 | 8.59 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 12.3 | 0.0 | 0.14 | 3.2 | 0.586 | 0.586 | 7.305 | 12.445 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.34 |
| 439 | P3 | 6 | 15.60 | 0.275 | 32.03 | 0.0 | 7.02 | 8.60 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 12.5 | 0.0 | 0.14 | 3.2 | 0.596 | 0.596 | 7.301 | 12.454 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.34 |
| 440 | P3 | 6 | 15.50 | 0.280 | 32.07 | 0.0 | 7.02 | 8.60 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 12.7 | 0.0 | 0.14 | 3.2 | 0.606 | 0.606 | 7.296 | 12.462 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.34 |
| 441 | P3 | 6 | 15.40 | 0.285 | 32.11 | 0.0 | 7.02 | 8.60 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 12.9 | 0.0 | 0.14 | 3.2 | 0.615 | 0.615 | 7.292 | 12.469 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.34 |
| 442 | P3 | 6 | 15.30 | 0.290 | 32.15 | 0.0 | 7.02 | 8.61 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 13.1 | 0.0 | 0.15 | 3.2 | 0.625 | 0.625 | 7.286 | 12.478 | 0.05 | 0.09 | 0.00 | 0.00 | 0.47 | 0.34 |
| 443 | P3 | 6 | 15.20 | 0.295 | 32.19 | 0.0 | 7.01 | 8.61 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 13.3 | 0.0 | 0.15 | 3.2 | 0.634 | 0.634 | 7.281 | 12.487 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.34 |
| 444 | P3 | 6 | 15.10 | 0.300 | 32.23 | 0.0 | 7.01 | 8.61 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 13.5 | 0.0 | 0.15 | 3.2 | 0.644 | 0.644 | 7.276 | 12.496 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.35 |
| 445 | P3 | 6 | 15.00 | 0.306 | 32.27 | 0.0 | 7.01 | 8.62 | 0.00 | 0.32 | 0.11 | 0.38 | 0.81 | 0.00 | 0.00 | 13.7 | 0.0 | 0.15 | 3.2 | 0.654 | 0.654 | 7.272 | 12.503 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.35 |
| 446 | P3 | 6 | 14.90 | 0.311 | 32.31 | 0.0 | 7.01 | 8.62 | 0.00 | 0.32 | 0.11 | 0.38 | 0.81 | 0.00 | 0.00 | 13.9 | 0.0 | 0.15 | 3.2 | 0.663 | 0.663 | 7.267 | 12.511 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.35 |
| 447 | P3 | 6 | 14.80 | 0.316 | 32.35 | 0.0 | 7.01 | 8.62 | 0.00 | 0.32 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 14.1 | 0.0 | 0.15 | 3.2 | 0.673 | 0.673 | 7.262 | 12.520 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.35 |
| 448 | P3 | 6 | 14.70 | 0.321 | 32.39 | 0.0 | 7.01 | 8.62 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 14.3 | 0.0 | 0.15 | 3.2 | 0.682 | 0.682 | 7.257 | 12.528 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.35 |
| 449 | P3 | 6 | 14.60 | 0.326 | 32.43 | 0.0 | 7.01 | 8.63 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 14.5 | 0.0 | 0.15 | 3.2 | 0.691 | 0.691 | 7.252 | 12.537 | 0.05 | 0.09 | 0.00 | 0.00 | 0.48 | 0.35 |
| 450 | P3 | 6 | 14.50 | 0.331 | 32.47 | 0.0 | 7.01 | 8.63 | 0.00 | 0.31 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 14.7 | 0.0 | 0.15 | 3.2 | 0.701 | 0.701 | 7.248 | 12.545 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.35 |
| 451 | P3 | 6 | 14.40 | 0.336 | 32.51 | 0.0 | 7.01 | 8.63 | 0.00 | 0.31 | 0.10 | 0.38 | 0.80 | 0.00 | 0.00 | 14.9 | 0.0 | 0.15 | 3.2 | 0.710 | 0.710 | 7.242 | 12.554 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.35 |
| | WASTELOAD # 452 (Grp10-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 452 | P3 | 6 | 14.30 | 0.343 | 32.55 | 0.0 | 6.99 | 8.67 | 0.00 | 0.32 | 0.12 | 0.39 | 0.83 | 0.00 | 0.00 | 15.1 | 0.0 | 0.15 | 3.2 | 0.723 | 0.723 | 7.238 | 12.562 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.35 |
| 453 | P3 | 6 | 14.20 | 0.348 | 32.59 | 0.0 | 6.99 | 8.67 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 15.3 | 0.0 | 0.15 | 3.2 | 0.732 | 0.732 | 7.233 | 12.571 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.35 |
| 454 | P3 | 6 | 14.10 | 0.353 | 32.63 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 15.6 | 0.0 | 0.15 | 3.2 | 0.742 | 0.742 | 7.228 | 12.578 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.35 |
| 455 | P3 | 6 | 14.00 | 0.358 | 32.67 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 15.8 | 0.0 | 0.15 | 3.2 | 0.751 | 0.751 | 7.223 | 12.587 | 0.05 | 0.09 | 0.00 | 0.00 | 0.49 | 0.36 |
| | WASTELOAD # 456 (Grp11-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 456 | P3 | 6 | 13.90 | 0.364 | 32.71 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 16.0 | 0.0 | 0.15 | 3.2 | 0.761 | 0.761 | 7.218 | 12.595 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.36 |
| 457 | P3 | 6 | 13.80 | 0.369 | 32.75 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 16.2 | 0.0 | 0.15 | 3.2 | 0.770 | 0.770 | 7.214 | 12.604 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.36 |
| 458 | P3 | 6 | 13.70 | 0.374 | 32.79 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 16.4 | 0.0 | 0.15 | 3.2 | 0.779 | 0.779 | 7.208 | 12.613 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.36 |
| 459 | P3 | 6 | 13.60 | 0.379 | 32.83 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 16.6 | 0.0 | 0.15 | 3.2 | 0.789 | 0.789 | 7.204 | 12.621 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.36 |
| 460 | P3 | 6 | 13.50 | 0.384 | 32.87 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 16.8 | 0.0 | 0.15 | 3.2 | 0.798 | 0.798 | 7.199 | 12.629 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.36 |
| 461 | P3 | 6 | 13.40 | 0.389 | 32.91 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 17.0 | 0.0 | 0.15 | 3.2 | 0.807 | 0.807 | 7.194 | 12.638 | 0.05 | 0.09 | 0.00 | 0.00 | 0.50 | 0.36 |
| 462 | P3 | 6 | 13.30 | 0.394 | 32.94 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.00 | 0.00 | 17.2 | 0.0 | 0.15 | 3.2 | 0.816 | 0.816 | 7.189 | 12.646 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.36 |
| 463 | P3 | 6 | 13.20 | 0.399 | 32.98 | 0.0 | 6.99 | 8.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 17.4 | 0.0 | 0.15 | 3.2 | 0.825 | 0.825 | 7.185 | 12.654 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.36 |
| 464 | P3 | 6 | 13.10 | 0.405 | 33.02 | 0.0 | 6.98 | 8.69 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 17.6 | 0.0 | 0.15 | 3.2 | 0.835 | 0.835 | 7.180 | 12.663 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.36 |
| 465 | P3 | 6 | 13.00 | 0.410 | 33.06 | 0.0 | 6.98 | 8.69 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 17.8 | 0.0 | 0.15 | 3.2 | 0.844 | 0.844 | 7.175 | 12.672 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.36 |
| 466 | P3 | 6 | 12.90 | 0.415 | 33.10 | 0.0 | 6.98 | 8.69 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 18.0 | 0.0 | 0.15 | 3.2 | 0.853 | 0.853 | 7.171 | 12.680 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.37 |
| 467 | P3 | 6 | 12.80 | 0.420 | 33.14 | 0.0 | 6.98 | 8.69 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 18.2 | 0.0 | 0.15 | 3.2 | 0.862 | 0.862 | 7.166 | 12.688 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.37 |
| 468 | P3 | 6 | 12.70 | 0.425 | 33.18 | 0.0 | 6.98 | 8.69 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 18.4 | 0.0 | 0.15 | 3.2 | 0.871 | 0.871 | 7.160 | 12.697 | 0.05 | 0.09 | 0.00 | 0.00 | 0.51 | 0.37 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 469 | P3 6 | 12.60 | 0.430 | 33.22 | 0.0 | 6.98 | 8.69 | 0.00 | 0.31 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 18.6 | 0.0 | 0.15 | 3.2 | 0.880 | 0.880 | 7.156 | 12.705 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.37 |
| 470 | P3 6 | 12.50 | 0.435 | 33.26 | 0.0 | 6.98 | 8.69 | 0.00 | 0.31 | 0.11 | 0.39 | 0.81 | 0.00 | 0.00 | 18.8 | 0.0 | 0.15 | 3.2 | 0.890 | 0.890 | 7.152 | 12.713 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.37 |
| 471 | P3 6 | 12.40 | 0.440 | 33.30 | 0.0 | 6.98 | 8.69 | 0.00 | 0.31 | 0.11 | 0.38 | 0.81 | 0.00 | 0.00 | 19.0 | 0.0 | 0.15 | 3.2 | 0.899 | 0.899 | 7.146 | 12.722 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.37 |
| 472 | P3 6 | 12.30 | 0.445 | 33.34 | 0.0 | 6.98 | 8.69 | 0.00 | 0.31 | 0.11 | 0.38 | 0.81 | 0.00 | 0.00 | 19.2 | 0.0 | 0.15 | 3.2 | 0.908 | 0.908 | 7.142 | 12.730 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.37 |
| 473 | P3 6 | 12.20 | 0.450 | 33.38 | 0.0 | 6.98 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.81 | 0.00 | 0.00 | 19.4 | 0.0 | 0.15 | 3.2 | 0.917 | 0.917 | 7.137 | 12.739 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.37 |
| 474 | P3 6 | 12.10 | 0.456 | 33.42 | 0.0 | 6.98 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.81 | 0.00 | 0.00 | 19.6 | 0.0 | 0.15 | 3.2 | 0.926 | 0.926 | 7.133 | 12.747 | 0.06 | 0.09 | 0.00 | 0.00 | 0.52 | 0.37 |
| 475 | P3 6 | 12.00 | 0.461 | 33.46 | 0.0 | 6.98 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 19.8 | 0.0 | 0.15 | 3.2 | 0.935 | 0.935 | 7.128 | 12.755 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.37 |
| 476 | P3 6 | 11.90 | 0.466 | 33.50 | 0.0 | 6.98 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 20.0 | 0.0 | 0.15 | 3.2 | 0.944 | 0.944 | 7.123 | 12.764 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.37 |
| 477 | P3 6 | 11.80 | 0.471 | 33.54 | 0.0 | 6.98 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 20.2 | 0.0 | 0.15 | 3.2 | 0.953 | 0.953 | 7.119 | 12.772 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.38 |
| 478 | P3 6 | 11.70 | 0.476 | 33.58 | 0.0 | 6.98 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 20.4 | 0.0 | 0.15 | 3.2 | 0.962 | 0.962 | 7.114 | 12.780 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.38 |
| 479 | P3 6 | 11.60 | 0.481 | 33.62 | 0.0 | 6.98 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 20.6 | 0.0 | 0.15 | 3.2 | 0.971 | 0.971 | 7.109 | 12.790 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.38 |
| 480 | P3 6 | 11.50 | 0.486 | 33.66 | 0.0 | 6.97 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 20.8 | 0.0 | 0.16 | 3.2 | 0.980 | 0.980 | 7.104 | 12.798 | 0.06 | 0.09 | 0.00 | 0.00 | 0.53 | 0.38 |
| 481 | P3 6 | 11.40 | 0.491 | 33.70 | 0.0 | 6.97 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 21.0 | 0.0 | 0.16 | 3.2 | 0.989 | 0.989 | 7.100 | 12.806 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.38 |
| 482 | P3 6 | 11.30 | 0.496 | 33.74 | 0.0 | 6.97 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 21.2 | 0.0 | 0.16 | 3.2 | 0.998 | 0.998 | 7.095 | 12.815 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.38 |
| 483 | P3 6 | 11.20 | 0.501 | 33.78 | 0.0 | 6.97 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 21.4 | 0.0 | 0.16 | 3.2 | 1.007 | 1.007 | 7.090 | 12.823 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.38 |
| 484 | P3 6 | 11.10 | 0.507 | 33.82 | 0.0 | 6.97 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 21.6 | 0.0 | 0.16 | 3.2 | 1.016 | 1.016 | 7.086 | 12.831 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.38 |
| 485 | P3 6 | 11.00 | 0.512 | 33.86 | 0.0 | 6.97 | 8.70 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.00 | 0.00 | 21.8 | 0.0 | 0.16 | 3.2 | 1.025 | 1.025 | 7.081 | 12.840 | 0.06 | 0.09 | 0.00 | 0.00 | 0.54 | 0.38 |
| 486 | P3 6 | 10.90 | 0.517 | 33.90 | 0.0 | 6.85 | 8.62 | 0.00 | 0.31 | 0.10 | 0.37 | 0.79 | 0.00 | 0.00 | 22.0 | 0.0 | 0.16 | 3.2 | 1.033 | 1.033 | 7.076 | 12.849 | 0.06 | 0.09 | 0.00 | 0.00 | 0.55 | 0.38 |
| | TRIBUTARY # 487 (Arnold's Creek) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 561 | P2 8 | 10.80 | 0.520 | 33.82 | 0.0 | 6.80 | 8.58 | 0.00 | 0.31 | 0.10 | 0.37 | 0.79 | 0.00 | 0.00 | 21.9 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.085 | 1.853 | 0.06 | 0.03 | 0.00 | 0.00 | 0.54 | 1.81 |
| 562 | P2 8 | 10.70 | 0.520 | 33.74 | 0.0 | 6.77 | 8.57 | 0.00 | 0.31 | 0.11 | 0.37 | 0.79 | 0.00 | 0.00 | 21.9 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.095 | 1.850 | 0.06 | 0.03 | 0.00 | 0.00 | 0.54 | 1.81 |
| 563 | P2 8 | 10.60 | 0.520 | 33.66 | 0.0 | 6.74 | 8.56 | 0.00 | 0.31 | 0.11 | 0.37 | 0.79 | 0.00 | 0.00 | 21.8 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.104 | 1.848 | 0.06 | 0.03 | 0.00 | 0.00 | 0.54 | 1.80 |
| | WASTELOAD # 564 (Grp12-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 564 | P2 8 | 10.50 | 0.520 | 33.58 | 0.0 | 6.71 | 8.55 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.00 | 0.00 | 21.7 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.113 | 1.845 | 0.06 | 0.03 | 0.00 | 0.00 | 0.53 | 1.79 |
| 565 | P2 8 | 10.40 | 0.520 | 33.50 | 0.0 | 6.68 | 8.54 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.00 | 0.00 | 21.7 | 25.0 | 0.48 | 18.3 | 0.059 | 0.059 | 7.123 | 1.843 | 0.06 | 0.03 | 0.00 | 0.00 | 0.53 | 1.78 |
| | WASTELOAD # 566 (Grp13-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 566 | P2 8 | 10.30 | 0.524 | 33.43 | 0.0 | 6.65 | 8.54 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.00 | 0.00 | 21.6 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.132 | 1.839 | 0.06 | 0.03 | 0.00 | 0.00 | 0.53 | 1.77 |
| 567 | P2 8 | 10.20 | 0.524 | 33.35 | 0.0 | 6.63 | 8.52 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.00 | 0.00 | 21.5 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.141 | 1.837 | 0.06 | 0.03 | 0.00 | 0.00 | 0.52 | 1.76 |
| 568 | P2 8 | 10.10 | 0.524 | 33.27 | 0.0 | 6.61 | 8.50 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.00 | 0.00 | 21.4 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.151 | 1.834 | 0.06 | 0.03 | 0.00 | 0.00 | 0.52 | 1.75 |
| 569 | P2 8 | 10.00 | 0.524 | 33.19 | 0.0 | 6.59 | 8.49 | 0.00 | 0.32 | 0.11 | 0.36 | 0.78 | 0.00 | 0.00 | 21.4 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.161 | 1.832 | 0.05 | 0.03 | 0.00 | 0.00 | 0.52 | 1.74 |
| 570 | P2 8 | 9.90 | 0.524 | 33.11 | 0.0 | 6.57 | 8.47 | 0.00 | 0.32 | 0.11 | 0.36 | 0.78 | 0.00 | 0.00 | 21.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.170 | 1.829 | 0.05 | 0.03 | 0.00 | 0.00 | 0.51 | 1.74 |
| 571 | P2 8 | 9.80 | 0.524 | 33.03 | 0.0 | 6.55 | 8.45 | 0.00 | 0.32 | 0.11 | 0.35 | 0.78 | 0.00 | 0.00 | 21.2 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.179 | 1.827 | 0.05 | 0.03 | 0.00 | 0.00 | 0.51 | 1.73 |
| 572 | P2 8 | 9.70 | 0.524 | 32.95 | 0.0 | 6.53 | 8.43 | 0.00 | 0.32 | 0.11 | 0.35 | 0.77 | 0.00 | 0.00 | 21.2 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.188 | 1.825 | 0.05 | 0.03 | 0.00 | 0.00 | 0.51 | 1.72 |
| 573 | P2 8 | 9.60 | 0.524 | 32.87 | 0.0 | 6.51 | 8.42 | 0.00 | 0.32 | 0.10 | 0.35 | 0.77 | 0.00 | 0.00 | 21.1 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.198 | 1.822 | 0.05 | 0.03 | 0.00 | 0.00 | 0.50 | 1.71 |
| 574 | P2 8 | 9.50 | 0.524 | 32.79 | 0.0 | 6.50 | 8.40 | 0.00 | 0.32 | 0.10 | 0.35 | 0.77 | 0.00 | 0.00 | 21.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.208 | 1.820 | 0.05 | 0.03 | 0.00 | 0.00 | 0.50 | 1.70 |
| 575 | P2 8 | 9.40 | 0.524 | 32.71 | 0.0 | 6.48 | 8.38 | 0.00 | 0.32 | 0.10 | 0.35 | 0.77 | 0.00 | 0.00 | 21.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.218 | 1.817 | 0.05 | 0.03 | 0.00 | 0.00 | 0.50 | 1.69 |
| 576 | P2 8 | 9.30 | 0.524 | 32.63 | 0.0 | 6.47 | 8.37 | 0.00 | 0.32 | 0.10 | 0.34 | 0.76 | 0.00 | 0.00 | 20.9 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.227 | 1.815 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 1.68 |
| 577 | P2 8 | 9.20 | 0.524 | 32.56 | 0.0 | 6.46 | 8.35 | 0.00 | 0.32 | 0.10 | 0.34 | 0.76 | 0.00 | 0.00 | 20.8 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.236 | 1.813 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 1.68 |
| 578 | P2 8 | 9.10 | 0.524 | 32.48 | 0.0 | 6.44 | 8.33 | 0.00 | 0.32 | 0.10 | 0.34 | 0.76 | 0.00 | 0.00 | 20.7 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.246 | 1.810 | 0.05 | 0.03 | 0.00 | 0.00 | 0.49 | 1.67 |
| 579 | P2 8 | 9.00 | 0.524 | 32.40 | 0.0 | 6.43 | 8.32 | 0.00 | 0.32 | 0.10 | 0.34 | 0.76 | 0.00 | 0.00 | 20.7 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.256 | 1.808 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 1.66 |
| 580 | P2 8 | 8.90 | 0.524 | 32.32 | 0.0 | 6.42 | 8.30 | 0.00 | 0.32 | 0.10 | 0.34 | 0.75 | 0.00 | 0.00 | 20.6 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.265 | 1.805 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 1.65 |
| 581 | P2 8 | 8.80 | 0.524 | 32.24 | 0.0 | 6.41 | 8.28 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.00 | 0.00 | 20.5 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.275 | 1.803 | 0.05 | 0.03 | 0.00 | 0.00 | 0.48 | 1.64 |
| 582 | P2 8 | 8.70 | 0.524 | 32.16 | 0.0 | 6.40 | 8.27 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.00 | 0.00 | 20.5 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.285 | 1.801 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 1.63 |
| 583 | P2 8 | 8.60 | 0.524 | 32.08 | 0.0 | 6.39 | 8.25 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.00 | 0.00 | 20.4 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.295 | 1.798 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 1.63 |
| | WASTELOAD # 584 (Grp14-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 584 | P2 8 | 8.50 | 0.525 | 32.00 | 0.0 | 6.39 | 8.23 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.00 | 0.00 | 20.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.305 | 1.795 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 1.62 |
| 585 | P2 8 | 8.40 | 0.525 | 31.92 | 0.0 | 6.38 | 8.21 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.00 | 0.00 | 20.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.314 | 1.793 | 0.05 | 0.03 | 0.00 | 0.00 | 0.47 | 1.61 |
| 586 | P2 8 | 8.30 | 0.525 | 31.84 | 0.0 | 6.38 | 8.18 | 0.00 | 0.32 | 0.10 | 0.32 | 0.74 | 0.00 | 0.00 | 20.2 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.324 | 1.790 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 1.60 |
| 587 | P2 8 | 8.20 | 0.525 | 31.77 | 0.0 | 6.38 | 8.15 | 0.00 | 0.32 | 0.10 | 0.32 | 0.74 | 0.00 | 0.00 | 20.1 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.334 | 1.788 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 1.59 |
| 588 | P2 8 | 8.10 | 0.525 | 31.69 | 0.0 | 6.38 | 8.12 | 0.00 | 0.32 | 0.10 | 0.32 | 0.73 | 0.00 | 0.00 | 20.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.344 | 1.786 | 0.05 | 0.03 | 0.00 | 0.00 | 0.46 | 1.59 |
| 589 | P2 8 | 8.00 | 0.525 | 31.61 | 0.0 | 6.38 | 8.09 | 0.00 | 0.32 | 0.10 | 0.31 | 0.73 | 0.00 | 0.00 | 20.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.354 | 1.783 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 1.58 |
| 590 | P2 8 | 7.90 | 0.525 | 31.53 | 0.0 | 6.39 | 8.05 | 0.00 | 0.32 | 0.09 | 0.31 | 0.72 | 0.00 | 0.00 | 19.9 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.363 | 1.781 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 1.57 |
| 591 | P2 8 | 7.80 | 0.525 | 31.45 | 0.0 | 6.40 | 8.00 | 0.00 | 0.32 | 0.09 | 0.30 | 0.72 | 0.00 | 0.00 | 19.8 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.373 | 1.778 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 1.56 |
| 592 | P2 8 | 7.70 | 0.525 | 31.37 | 0.0 | 6.42 | 7.94 | 0.00 | 0.32 | 0.09 | 0.30 | 0.71 | 0.00 | 0.00 | 19.8 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.383 | 1.776 | 0.05 | 0.03 | 0.00 | 0.00 | 0.45 | 1.56 |
| 593 | P2 8 | 7.60 | 0.525 | 31.29 | 0.0 | 6.44 | 7.88 | 0.00 | 0.32 | 0.09 | 0.29 | 0.70 | 0.00 | 0.00 | 19.7 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.393 | 1.774 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 1.55 |
| 594 | P2 8 | 7.50 | 0.525 | 31.21 | 0.0 | 6.46 | 7.80 | 0.00 | 0.32 | 0.09 | 0.28 | 0.69 | 0.00 | 0.00 | 19.6 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.403 | 1.771 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 1.54 |
| 595 | P2 8 | 7.40 | 0.525 | 31.13 | 0.0 | 6.50 | 7.71 | 0.00 | 0.32 | 0.09 | 0.27 | 0.68 | 0.00 | 0.00 | 19.6 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.413 | 1.769 | 0.05 | 0.03 | 0.00 | 0.00 | 0.44 | 1.53 |
| 596 | P2 8 | 7.30 | 0.525 | 31.05 | 0.0 | 6.54 | 7.60 | 0.00 | 0.32 | 0.08 | 0.26 | 0.67 | 0.00 | 0.00 | 19.5 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.423 | 1.767 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 1.52 |
| 597 | P2 8 | 7.20 | 0.525 | 30.97 | 0.0 | 6.60 | 7.47 | 0.00 | 0.32 | 0.08 | 0.25 | 0.65 | 0.00 | 0.00 | 19.4 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.433 | 1.764 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 1.52 |
| 598 | P2 8 | 7.10 | 0.525 | 30.90 | 0.0 | 6.67 | 7.32 | 0.00 | 0.32 | 0.08 | 0.23 | 0.63 | 0.00 | 0.00 | 19.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.443 | 1.762 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 1.51 |
| 599 | P2 8 | 7.00 | 0.525 | 30.82 | 0.0 | 6.76 | 7.12 | 0.00 | 0.32 | 0.07 | 0.21 | 0.61 | 0.00 | 0.00 | 19.3 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.453 | 1.759 | 0.05 | 0.03 | 0.00 | 0.00 | 0.43 | 1.50 |
| 600 | P2 8 | 6.90 | 0.525 | 30.74 | 0.0 | 6.88 | 6.89 | 0.00 | 0.32 | 0.07 | 0.19 | 0.58 | 0.00 | 0.00 | 19.2 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.463 | 1.757 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 1.49 |
| 601 | P2 8 | 6.80 | 0.525 | 30.66 | 0.0 | 7.03 | 6.60 | 0.00 | 0.32 | 0.06 | 0.16 | 0.55 | 0.00 | 0.00 | 19.1 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.474 | 1.755 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 1.49 |
| 602 | P2 8 | 6.70 | 0.525 | 30.58 | 0.0 | 7.23 | 6.24 | 0.00 | 0.32 | 0.06 | 0.12 | 0.50 | 0.00 | 0.00 | 19.1 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.484 | 1.752 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 1.48 |
| | WASTELOAD # 603 (YWR) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 603 | P2 8 | 6.60 | 0.528 | 30.50 | 0.0 | 7.47 | 5.81 | 0.00 | 0.32 | 0.05 | 0.08 | 0.45 | 0.00 | 0.00 | 19.0 | 25.0 | 0.49 | 18.3 | 0.059 | 0.059 | 7.494 | 1.749 | 0.05 | 0.03 | 0.00 | 0.00 | 0.42 | 1.47 |
| 604 | P1 9 | 6.50 | 0.528 | 30.50 | 0.0 | 7.52 | 5.73 | 0.00 | 0.32 | 0.05 | 0.07 | 0.44 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 605 | P1 9 | 6.40 | 0.528 | 30.50 | 0.0 | 7.54 | 5.69 | 0.00 | 0.32 | 0.04 | 0.07 | 0.44 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 606 | P1 9 | 6.30 | 0.528 | 30.50 | 0.0 | 7.57 | 5.65 | 0.00 | 0.32 | 0.04 | 0.06 | 0.43 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 607 | P1 9 | 6.20 | 0.528 | 30.50 | 0.0 | 7.59 | 5.60 | 0.00 | 0.32 | 0.04 | 0.06 | 0.43 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 608 | P1 9 | 6.10 | 0.528 | 30.50 | 0.0 | 7.61 | 5.57 | 0.00 | 0.32 | 0.04 | 0.05 | 0.42 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 609 | P1 9 | 6.00 | 0.528 | 30.50 | 0.0 | 7.63 | 5.53 | 0.00 | 0.32 | 0.04 | 0.05 | 0.42 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 610 | P1 9 | 5.90 | 0.528 | 30.50 | 0.0 | 7.66 | 5.49 | 0.00 | 0.32 | 0.04 | 0.05 | 0.41 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 611 | P1 9 | 5.80 | 0.528 | 30.50 | 0.0 | 7.67 | 5.45 | 0.00 | 0.33 | 0.04 | 0.04 | 0.41 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 612 | P1 9 | 5.70 | 0.528 | 30.50 | 0.0 | 7.69 | 5.42 | 0.00 | 0.33 | 0.04 | 0.04 | 0.40 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| | WASTELOAD # 613 (LAG531729) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 613 | P1 9 | 5.60 | 0.529 | 30.50 | 0.0 | 7.71 | 5.38 | 0.00 | 0.33 | 0.04 | 0.04 | 0.40 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 614 | P1 9 | 5.50 | 0.529 | 30.50 | 0.0 | 7.73 | 5.35 | 0.00 | 0.33 | 0.04 | 0.03 | 0.40 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 615 | P1 9 | 5.40 | 0.529 | 30.50 | 0.0 | 7.75 | 5.32 | 0.00 | 0.33 | 0.04 | 0.03 | 0.39 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 616 | P1 9 | 5.30 | 0.529 | 30.50 | 0.0 | 7.76 | 5.28 | 0.00 | 0.33 | 0.04 | 0.03 | 0.39 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 617 | P1 9 | 5.20 | 0.529 | 30.50 | 0.0 | 7.78 | 5.25 | 0.00 | 0.33 | 0.04 | 0.02 | 0.39 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 618 | P1 9 | 5.10 | 0.529 | 30.50 | 0.0 | 7.79 | 5.22 | 0.00 | 0.33 | 0.04 | 0.02 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 619 | P1 9 | 5.00 | 0.529 | 30.50 | 0.0 | 7.80 | 5.19 | 0.00 | 0.33 | 0.04 | 0.02 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 620 | P1 9 | 4.90 | 0.529 | 30.50 | 0.0 | 7.82 | 5.17 | 0.00 | 0.33 | 0.03 | 0.02 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 621 | P1 9 | 4.80 | 0.529 | 30.50 | 0.0 | 7.83 | 5.14 | 0.00 | 0.33 | 0.03 | 0.01 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 622 | P1 9 | 4.70 | 0.529 | 30.50 | 0.0 | 7.84 | 5.11 | 0.00 | 0.33 | 0.03 | 0.01 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 623 | P1 9 | 4.60 | 0.529 | 30.50 | 0.0 | 7.85 | 5.09 | 0.00 | 0.33 | 0.03 | 0.01 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.007 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 624 | P1 9 | 4.50 | 0.529 | 30.50 | 0.0 | 7.86 | 5.06 | 0.00 | 0.33 | 0.03 | 0.01 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 625 | P1 9 | 4.40 | 0.529 | 30.50 | 0.0 | 7.87 | 5.04 | 0.00 | 0.33 | 0.03 | 0.01 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 626 | P1 9 | 4.30 | 0.529 | 30.50 | 0.0 | 7.87 | 5.02 | 0.00 | 0.33 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 627 | P1 9 | 4.20 | 0.529 | 30.50 | 0.0 | 7.88 | 5.00 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 628 | P1 9 | 4.10 | 0.529 | 30.50 | 0.0 | 7.89 | 4.98 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 629 | P1 9 | 4.00 | 0.529 | 30.50 | 0.0 | 7.89 | 4.96 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.008 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 630 | P1 9 | 3.90 | 0.529 | 30.50 | 0.0 | 7.90 | 4.94 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 631 | P1 9 | 3.80 | 0.529 | 30.50 | 0.0 | 7.90 | 4.92 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 632 | P1 9 | 3.70 | 0.529 | 30.50 | 0.0 | 7.90 | 4.91 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 633 | P1 9 | 3.60 | 0.529 | 30.50 | 0.0 | 7.90 | 4.90 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 634 | P1 9 | 3.50 | 0.529 | 30.50 | 0.0 | 7.90 | 4.88 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 635 | P1 9 | 3.40 | 0.529 | 30.50 | 0.0 | 7.90 | 4.87 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.009 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 636 | P1 9 | 3.30 | 0.529 | 30.50 | 0.0 | 7.90 | 4.86 | 0.00 | 0.34 | 0.03 | 0.00 | 0.36 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 637 | P1 9 | 3.20 | 0.529 | 30.50 | 0.0 | 7.90 | 4.85 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 638 | P1 9 | 3.10 | 0.529 | 30.50 | 0.0 | 7.89 | 4.84 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 639 | P1 9 | 3.00 | 0.529 | 30.50 | 0.0 | 7.89 | 4.84 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 640 | P1 9 | 2.90 | 0.529 | 30.50 | 0.0 | 7.88 | 4.83 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.010 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 641 | P1 9 | 2.80 | 0.529 | 30.50 | 0.0 | 7.87 | 4.83 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 642 | P1 9 | 2.70 | 0.529 | 30.50 | 0.0 | 7.86 | 4.82 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 643 | P1 9 | 2.60 | 0.529 | 30.50 | 0.0 | 7.85 | 4.82 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 644 | P1 9 | 2.50 | 0.529 | 30.50 | 0.0 | 7.84 | 4.82 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 645 | P1 9 | 2.40 | 0.529 | 30.50 | 0.0 | 7.83 | 4.82 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.011 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 646 | P1 9 | 2.30 | 0.529 | 30.50 | 0.0 | 7.81 | 4.83 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 647 | P1 9 | 2.20 | 0.529 | 30.50 | 0.0 | 7.80 | 4.83 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 648 | P1 9 | 2.10 | 0.529 | 30.50 | 0.0 | 7.78 | 4.84 | 0.00 | 0.35 | 0.03 | 0.00 | 0.37 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 649 | P1 9 | 2.00 | 0.529 | 30.50 | 0.0 | 7.76 | 4.84 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 650 | P1 9 | 1.90 | 0.529 | 30.50 | 0.0 | 7.74 | 4.85 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.012 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 651 | P1 9 | 1.80 | 0.529 | 30.50 | 0.0 | 7.72 | 4.86 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 652 | P1 9 | 1.70 | 0.529 | 30.50 | 0.0 | 7.70 | 4.87 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 653 | P1 9 | 1.60 | 0.529 | 30.50 | 0.0 | 7.67 | 4.89 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 654 | P1 9 | 1.50 | 0.529 | 30.50 | 0.0 | 7.64 | 4.90 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 655 | P1 9 | 1.40 | 0.529 | 30.50 | 0.0 | 7.61 | 4.92 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.013 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 656 | P1 9 | 1.30 | 0.529 | 30.50 | 0.0 | 7.58 | 4.94 | 0.00 | 0.36 | 0.03 | 0.00 | 0.39 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 657 | P1 9 | 1.20 | 0.529 | 30.50 | 0.0 | 7.55 | 4.96 | 0.00 | 0.36 | 0.03 | 0.00 | 0.39 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 658 | P1 9 | 1.10 | 0.529 | 30.50 | 0.0 | 7.51 | 4.98 | 0.00 | 0.36 | 0.03 | 0.00 | 0.39 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 659 | P1 9 | 1.00 | 0.529 | 30.50 | 0.0 | 7.47 | 5.01 | 0.00 | 0.36 | 0.03 | 0.01 | 0.40 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 660 | P1 9 | 0.90 | 0.529 | 30.50 | 0.0 | 7.43 | 5.03 | 0.00 | 0.36 | 0.03 | 0.01 | 0.41 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.014 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 661 | P1 9 | 0.80 | 0.529 | 30.50 | 0.0 | 7.39 | 5.06 | 0.00 | 0.36 | 0.03 | 0.02 | 0.41 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 662 | P1 9 | 0.70 | 0.529 | 30.50 | 0.0 | 7.34 | 5.09 | 0.00 | 0.36 | 0.03 | 0.02 | 0.42 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 663 | P1 9 | 0.60 | 0.529 | 30.50 | 0.0 | 7.29 | 5.13 | 0.00 | 0.37 | 0.03 | 0.03 | 0.43 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 664 | P1 9 | 0.50 | 0.529 | 30.50 | 0.0 | 7.24 | 5.16 | 0.00 | 0.37 | 0.03 | 0.04 | 0.44 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 665 | P1 9 | 0.40 | 0.529 | 30.50 | 0.0 | 7.18 | 5.20 | 0.00 | 0.37 | 0.04 | 0.04 | 0.45 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.015 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 666 | P1 9 | 0.30 | 0.529 | 30.50 | 0.0 | 7.12 | 5.24 | 0.00 | 0.37 | 0.04 | 0.05 | 0.46 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.016 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 667 | P1 9 | 0.20 | 0.529 | 30.50 | 0.0 | 7.06 | 5.28 | 0.00 | 0.37 | 0.04 | 0.06 | 0.47 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.016 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 668 | P1 9 | 0.10 | 0.529 | 30.50 | 0.0 | 6.99 | 5.32 | 0.00 | 0.37 | 0.04 | 0.07 | 0.48 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.016 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |
| 669 | P1 9 | 0.00 | 0.529 | 30.50 | 0.0 | 6.92 | 5.37 | 0.00 | 0.38 | 0.04 | 0.08 | 0.49 | 0.00 | 0.00 | 19.0 | 35.0 | 1.53 | 51.8 | 0.007 | 0.016 | 7.494 | 0.554 | 0.08 | 0.01 | 0.00 | 0.00 | 0.42 | 0.85 |

CAPSULE SUMMARY FOR Pont. Trib.

| IOR | REACH | DIST | FLOW | TEMP | SALN | DO | BOD1 | BOD2 | ORG-N | NH3-N | NO3-N | TOT-N | ORG-P | PO4-P | CHLA | DISP | DEPTH | WIDTH | ADVEC VELO | MEAN VELO | DO SAT | REAER RATE | BOD1 DECA | BOD1 SETT | BOD2 DECA | BOD2 SETT | NH3 DECA | SOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | km | m³/s | deg C | ppt | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | m²/s | m | m | m/s | m/s | mg/L | 1/da | 1/da | 1/da | 1/da | 1/da | 1/da | g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | PT | 2 | 7.90 | 0.003 | 29.80 | 0.0 | 7.08 | 5.87 | 0.00 | 1.13 | 0.04 | 0.02 | 1.19 | 0.00 | 0.00 | 5.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.584 | 7.913 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 124 | PT | 2 | 7.80 | 0.003 | 29.80 | 0.0 | 7.23 | 5.82 | 0.00 | 1.13 | 0.04 | 0.02 | 1.19 | 0.00 | 0.00 | 5.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.584 | 7.913 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 125 | PT | 2 | 7.70 | 0.003 | 29.81 | 0.0 | 7.34 | 5.78 | 0.00 | 1.13 | 0.04 | 0.02 | 1.18 | 0.00 | 0.00 | 5.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.584 | 7.913 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 126 | PT | 2 | 7.60 | 0.003 | 29.81 | 0.0 | 7.42 | 5.74 | 0.00 | 1.13 | 0.04 | 0.02 | 1.18 | 0.00 | 0.00 | 5.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.583 | 7.914 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 127 | PT | 2 | 7.50 | 0.003 | 29.81 | 0.0 | 7.47 | 5.70 | 0.00 | 1.13 | 0.04 | 0.02 | 1.18 | 0.00 | 0.00 | 5.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.584 | 7.913 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 128 | PT | 2 | 7.40 | 0.003 | 29.81 | 0.0 | 7.51 | 5.66 | 0.00 | 1.12 | 0.04 | 0.02 | 1.18 | 0.00 | 0.00 | 5.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.582 | 7.915 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 129 | PT | 2 | 7.30 | 0.003 | 29.82 | 0.0 | 7.54 | 5.61 | 0.00 | 1.12 | 0.04 | 0.02 | 1.18 | 0.00 | 0.00 | 5.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.582 | 7.915 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 130 | PT | 2 | 7.20 | 0.003 | 29.82 | 0.0 | 7.55 | 5.57 | 0.00 | 1.12 | 0.04 | 0.02 | 1.18 | 0.00 | 0.00 | 5.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.582 | 7.915 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 131 | PT | 2 | 7.10 | 0.003 | 29.82 | 0.0 | 7.57 | 5.53 | 0.00 | 1.12 | 0.04 | 0.02 | 1.18 | 0.00 | 0.00 | 5.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.582 | 7.915 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 132 | PT | 2 | 7.00 | 0.003 | 29.82 | 0.0 | 7.57 | 5.49 | 0.00 | 1.12 | 0.04 | 0.01 | 1.18 | 0.00 | 0.00 | 5.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.581 | 7.916 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 133 | PT | 2 | 6.90 | 0.003 | 29.83 | 0.0 | 7.58 | 5.45 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 0.00 | 0.00 | 5.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.581 | 7.916 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 134 | PT | 2 | 6.80 | 0.003 | 29.83 | 0.0 | 7.58 | 5.41 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 0.00 | 0.00 | 5.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.581 | 7.916 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 135 | PT | 2 | 6.70 | 0.003 | 29.83 | 0.0 | 7.59 | 5.37 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 0.00 | 0.00 | 5.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.580 | 7.917 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 136 | PT | 2 | 6.60 | 0.003 | 29.83 | 0.0 | 7.59 | 5.33 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 0.00 | 0.00 | 5.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.580 | 7.917 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 137 | PT | 2 | 6.50 | 0.003 | 29.84 | 0.0 | 7.59 | 5.30 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 0.00 | 0.00 | 5.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.580 | 7.917 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 138 | PT | 2 | 6.40 | 0.003 | 29.84 | 0.0 | 7.59 | 5.26 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 0.00 | 0.00 | 5.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.580 | 7.918 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 139 | PT | 2 | 6.30 | 0.003 | 29.84 | 0.0 | 7.59 | 5.22 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 0.00 | 0.00 | 5.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.579 | 7.918 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 140 | PT | 2 | 6.20 | 0.003 | 29.84 | 0.0 | 7.59 | 5.18 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 0.00 | 0.00 | 5.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.579 | 7.918 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 141 | PT | 2 | 6.10 | 0.003 | 29.85 | 0.0 | 7.59 | 5.14 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 0.00 | 0.00 | 4.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.578 | 7.919 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 142 | PT | 2 | 6.00 | 0.003 | 29.85 | 0.0 | 7.59 | 5.11 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 0.00 | 0.00 | 4.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.578 | 7.919 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 143 | PT | 2 | 5.90 | 0.003 | 29.85 | 0.0 | 7.59 | 5.07 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 0.00 | 0.00 | 4.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.578 | 7.920 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 144 | PT | 2 | 5.80 | 0.003 | 29.85 | 0.0 | 7.59 | 5.03 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 0.00 | 0.00 | 4.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.577 | 7.920 | 0.05 | 0.09 | 0.00 | 0.00 | 0.39 | 0.00 |
| 145 | PT | 2 | 5.70 | 0.003 | 29.86 | 0.0 | 7.59 | 5.00 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 0.00 | 0.00 | 4.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.577 | 7.920 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 146 | PT | 2 | 5.60 | 0.003 | 29.86 | 0.0 | 7.59 | 4.96 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 0.00 | 0.00 | 4.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.577 | 7.921 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 147 | PT | 2 | 5.50 | 0.003 | 29.86 | 0.0 | 7.59 | 4.92 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 0.00 | 0.00 | 4.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.577 | 7.921 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 148 | PT | 2 | 5.40 | 0.003 | 29.86 | 0.0 | 7.59 | 4.89 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 0.00 | 0.00 | 4.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.576 | 7.921 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 149 | PT | 2 | 5.30 | 0.003 | 29.87 | 0.0 | 7.58 | 4.85 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 0.00 | 0.00 | 4.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.575 | 7.922 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 150 | PT | 2 | 5.20 | 0.003 | 29.87 | 0.0 | 7.58 | 4.82 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 4.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.576 | 7.921 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 151 | PT | 2 | 5.10 | 0.003 | 29.87 | 0.0 | 7.58 | 4.78 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 4.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.575 | 7.923 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 152 | PT | 2 | 5.00 | 0.003 | 29.88 | 0.0 | 7.58 | 4.75 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 4.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.575 | 7.923 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 153 | PT | 2 | 4.90 | 0.003 | 29.88 | 0.0 | 7.58 | 4.71 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 4.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.575 | 7.923 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 154 | PT | 2 | 4.80 | 0.003 | 29.88 | 0.0 | 7.58 | 4.68 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 4.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.574 | 7.924 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 155 | PT | 2 | 4.70 | 0.003 | 29.88 | 0.0 | 7.58 | 4.64 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 4.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.574 | 7.924 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 156 | PT | 2 | 4.60 | 0.003 | 29.89 | 0.0 | 7.58 | 4.61 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 4.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.574 | 7.924 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 157 | PT | 2 | 4.50 | 0.003 | 29.89 | 0.0 | 7.58 | 4.58 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 4.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.573 | 7.925 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 158 | PT | 2 | 4.40 | 0.003 | 29.89 | 0.0 | 7.58 | 4.54 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 4.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.573 | 7.925 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 159 | PT | 2 | 4.30 | 0.003 | 29.89 | 0.0 | 7.58 | 4.51 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 3.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.572 | 7.925 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 160 | PT | 2 | 4.20 | 0.003 | 29.90 | 0.0 | 7.58 | 4.48 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 0.00 | 0.00 | 3.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.572 | 7.926 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 161 | PT | 2 | 4.10 | 0.003 | 29.90 | 0.0 | 7.58 | 4.44 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.572 | 7.926 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 162 | PT | 2 | 4.00 | 0.003 | 29.90 | 0.0 | 7.58 | 4.41 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.571 | 7.926 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 163 | PT | 2 | 3.90 | 0.003 | 29.90 | 0.0 | 7.58 | 4.38 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.571 | 7.926 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 164 | PT | 2 | 3.80 | 0.003 | 29.90 | 0.0 | 7.57 | 4.35 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.571 | 7.927 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 165 | PT | 2 | 3.70 | 0.003 | 29.91 | 0.0 | 7.57 | 4.32 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.570 | 7.927 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 166 | PT | 2 | 3.60 | 0.003 | 29.91 | 0.0 | 7.57 | 4.29 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.570 | 7.928 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 167 | PT | 2 | 3.50 | 0.003 | 29.91 | 0.0 | 7.57 | 4.25 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.570 | 7.928 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 168 | PT | 2 | 3.40 | 0.003 | 29.91 | 0.0 | 7.57 | 4.22 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.569 | 7.928 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 169 | PT | 2 | 3.30 | 0.003 | 29.92 | 0.0 | 7.57 | 4.19 | 0.00 | 1.09 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.569 | 7.928 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 170 | PT | 2 | 3.20 | 0.003 | 29.92 | 0.0 | 7.57 | 4.16 | 0.00 | 1.09 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.569 | 7.929 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 171 | PT | 2 | 3.10 | 0.003 | 29.92 | 0.0 | 7.57 | 4.13 | 0.00 | 1.09 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.569 | 7.929 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 172 | PT | 2 | 3.00 | 0.003 | 29.92 | 0.0 | 7.57 | 4.10 | 0.00 | 1.09 | 0.04 | 0.01 | 1.14 | 0.00 | 0.00 | 3.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.568 | 7.929 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 173 | PT | 2 | 2.90 | 0.003 | 29.93 | 0.0 | 7.57 | 4.07 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 3.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.568 | 7.929 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 174 | PT | 2 | 2.80 | 0.003 | 29.93 | 0.0 | 7.57 | 4.04 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 3.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.567 | 7.931 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 175 | PT | 2 | 2.70 | 0.003 | 29.93 | 0.0 | 7.57 | 4.01 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 3.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.568 | 7.930 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 176 | PT | 2 | 2.60 | 0.003 | 29.93 | 0.0 | 7.57 | 3.98 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 3.0 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.568 | 7.930 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 177 | PT | 2 | 2.50 | 0.003 | 29.94 | 0.0 | 7.57 | 3.95 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.567 | 7.931 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 178 | PT | 2 | 2.40 | 0.003 | 29.94 | 0.0 | 7.57 | 3.93 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.9 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.566 | 7.931 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 179 | PT | 2 | 2.30 | 0.003 | 29.94 | 0.0 | 7.56 | 3.90 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.8 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.566 | 7.932 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 180 | PT | 2 | 2.20 | 0.003 | 29.94 | 0.0 | 7.56 | 3.87 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.565 | 7.932 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 181 | PT | 2 | 2.10 | 0.003 | 29.95 | 0.0 | 7.56 | 3.84 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.7 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.565 | 7.933 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 182 | PT | 2 | 2.00 | 0.003 | 29.95 | 0.0 | 7.56 | 3.81 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.565 | 7.932 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 183 | PT | 2 | 1.90 | 0.003 | 29.95 | 0.0 | 7.56 | 3.78 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.6 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.564 | 7.934 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 184 | PT | 2 | 1.80 | 0.003 | 29.95 | 0.0 | 7.56 | 3.76 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.565 | 7.933 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 185 | PT | 2 | 1.70 | 0.003 | 29.96 | 0.0 | 7.56 | 3.73 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.5 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.564 | 7.934 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 186 | PT | 2 | 1.60 | 0.003 | 29.96 | 0.0 | 7.56 | 3.70 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.4 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.564 | 7.934 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 187 | PT | 2 | 1.50 | 0.003 | 29.96 | 0.0 | 7.56 | 3.68 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 0.00 | 0.00 | 2.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.563 | 7.935 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 188 | PT | 2 | 1.40 | 0.003 | 29.97 | 0.0 | 7.56 | 3.65 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 0.00 | 0.00 | 2.3 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.563 | 7.935 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 189 | PT | 2 | 1.30 | 0.003 | 29.97 | 0.0 | 7.56 | 3.62 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 0.00 | 0.00 | 2.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.563 | 7.935 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 190 | PT | 2 | 1.20 | 0.003 | 29.97 | 0.0 | 7.56 | 3.60 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 0.00 | 0.00 | 2.2 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.563 | 7.935 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 191 | PT | 2 | 1.10 | 0.003 | 29.97 | 0.0 | 7.56 | 3.57 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 0.00 | 0.00 | 2.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.562 | 7.936 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| 192 | PT | 2 | 1.00 | 0.003 | 29.98 | 0.0 | 7.56 | 3.54 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 0.00 | 0.00 | 2.1 | 0.0 | 0.15 | 0.9 | 0.021 | 0.021 | 7.562 | 7.936 | 0.05 | 0.09 | 0.00 | 0.00 | 0.40 | 0.00 |
| | WASTELOAD # 193 (LAG570205) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193 | PT | 2 | 0.90 | 0.007 | 29.98 | 0.0 | 6.37 | 5.26 | 0.00 | 1.14 | 0.04 | 0.00 | 1.19 | 0.00 | 0.00 | 2.0 | 0.0 | 0.16 | 0.9 | 0.045 | 0.045 | 7.561 | 9.604 | 0.05 | 0.08 | 0.00 | 0.00 | 0.40 | 0.00 |

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 194 | PT 2 | 0.80 | 0.007 | 29.98 | 0.0 | 6.60 | 5.24 | 0.00 | 1.14 | 0.04 | 0.00 | 1.19 | 0.00 | 0.00 | 2.0 | 0.0 | 0.16 | 0.9 | 0.045 | 0.045 | 7.561 | 9.604 | 0.05 | 0.08 | 0.00 | 0.00 | 0.40 | 0.00 |
| | WASTELOAD # 195 (LAG533605) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 195 | PT 2 | 0.70 | 0.011 | 29.98 | 0.0 | 6.26 | 5.81 | 0.00 | 0.91 | 0.39 | 0.74 | 2.03 | 0.00 | 0.00 | 1.9 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.561 | 11.235 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |

CAPSULE SUMMARY FOR Pont. Trib.

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 196 | PT 2 | 0.60 | 0.011 | 29.99 | 0.0 | 6.46 | 5.80 | 0.00 | 0.91 | 0.38 | 0.74 | 2.03 | 0.00 | 0.00 | 1.8 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.561 | 11.235 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 197 | PT 2 | 0.50 | 0.011 | 29.99 | 0.0 | 6.63 | 5.78 | 0.00 | 0.91 | 0.38 | 0.74 | 2.03 | 0.00 | 0.00 | 1.8 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.560 | 11.236 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 198 | PT 2 | 0.40 | 0.011 | 29.99 | 0.0 | 6.77 | 5.76 | 0.00 | 0.91 | 0.38 | 0.74 | 2.03 | 0.00 | 0.00 | 1.7 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.560 | 11.236 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 199 | PT 2 | 0.30 | 0.011 | 29.99 | 0.0 | 6.88 | 5.74 | 0.00 | 0.91 | 0.38 | 0.74 | 2.02 | 0.00 | 0.00 | 1.7 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.559 | 11.237 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 200 | PT 2 | 0.20 | 0.011 | 30.00 | 0.0 | 6.98 | 5.72 | 0.00 | 0.91 | 0.37 | 0.74 | 2.02 | 0.00 | 0.00 | 1.6 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.559 | 11.238 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 201 | PT 2 | 0.10 | 0.011 | 30.00 | 0.0 | 7.06 | 5.71 | 0.00 | 0.91 | 0.37 | 0.74 | 2.02 | 0.00 | 0.00 | 1.6 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.559 | 11.238 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |
| 202 | PT 2 | 0.00 | 0.011 | 30.00 | 0.0 | 7.13 | 5.69 | 0.00 | 0.91 | 0.37 | 0.74 | 2.02 | 0.00 | 0.00 | 1.5 | 0.0 | 0.17 | 0.9 | 0.067 | 0.067 | 7.559 | 11.238 | 0.05 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 |

CAPSULE SUMMARY FOR East Pont.

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | EP 5 | 10.80 | 0.003 | 25.84 | 0.0 | 6.33 | 3.23 | 0.00 | 0.30 | 0.03 | 0.08 | 0.41 | 0.00 | 0.00 | 5.0 | 0.0 | 0.28 | 3.9 | 0.003 | 0.003 | 8.137 | 2.754 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.81 |
| 281 | EP 5 | 10.70 | 0.003 | 25.88 | 0.0 | 6.10 | 3.13 | 0.00 | 0.30 | 0.03 | 0.07 | 0.40 | 0.00 | 0.00 | 4.9 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.131 | 2.749 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.81 |
| 282 | EP 5 | 10.60 | 0.003 | 25.92 | 0.0 | 6.00 | 3.04 | 0.00 | 0.30 | 0.02 | 0.07 | 0.39 | 0.00 | 0.00 | 4.9 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.125 | 2.745 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.81 |
| 283 | EP 5 | 10.50 | 0.003 | 25.95 | 0.0 | 5.95 | 2.96 | 0.00 | 0.30 | 0.02 | 0.06 | 0.38 | 0.00 | 0.00 | 4.9 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.120 | 2.740 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.82 |
| 284 | EP 5 | 10.40 | 0.003 | 25.99 | 0.0 | 5.92 | 2.89 | 0.00 | 0.30 | 0.02 | 0.06 | 0.37 | 0.00 | 0.00 | 4.9 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.115 | 2.736 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.82 |
| 285 | EP 5 | 10.30 | 0.003 | 26.03 | 0.0 | 5.91 | 2.82 | 0.00 | 0.30 | 0.02 | 0.05 | 0.37 | 0.00 | 0.00 | 4.8 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.109 | 2.732 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.83 |
| 286 | EP 5 | 10.20 | 0.003 | 26.07 | 0.0 | 5.90 | 2.76 | 0.00 | 0.30 | 0.02 | 0.05 | 0.36 | 0.00 | 0.00 | 4.8 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.103 | 2.729 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.83 |
| 287 | EP 5 | 10.10 | 0.004 | 26.11 | 0.0 | 5.89 | 2.70 | 0.00 | 0.30 | 0.02 | 0.04 | 0.36 | 0.00 | 0.00 | 4.8 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.097 | 2.726 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.84 |
| 288 | EP 5 | 10.00 | 0.004 | 26.15 | 0.0 | 5.88 | 2.65 | 0.00 | 0.30 | 0.02 | 0.04 | 0.35 | 0.00 | 0.00 | 4.8 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.092 | 2.723 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.84 |
| 289 | EP 5 | 9.90 | 0.004 | 26.19 | 0.0 | 5.88 | 2.61 | 0.00 | 0.30 | 0.02 | 0.03 | 0.35 | 0.00 | 0.00 | 4.7 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.086 | 2.720 | 0.04 | 0.04 | 0.00 | 0.00 | 0.29 | 1.85 |
| 290 | EP 5 | 9.80 | 0.004 | 26.22 | 0.0 | 5.87 | 2.56 | 0.00 | 0.30 | 0.02 | 0.03 | 0.34 | 0.00 | 0.00 | 4.7 | 0.0 | 0.29 | 3.9 | 0.003 | 0.003 | 8.080 | 2.717 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.85 |
| 291 | EP 5 | 9.70 | 0.004 | 26.26 | 0.0 | 5.87 | 2.52 | 0.00 | 0.30 | 0.02 | 0.03 | 0.34 | 0.00 | 0.00 | 4.7 | 0.0 | 0.30 | 3.9 | 0.003 | 0.003 | 8.075 | 2.715 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.85 |
| 292 | EP 5 | 9.60 | 0.004 | 26.30 | 0.0 | 5.86 | 2.48 | 0.00 | 0.30 | 0.02 | 0.02 | 0.34 | 0.00 | 0.00 | 4.7 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.069 | 2.712 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.86 |
| 293 | EP 5 | 9.50 | 0.004 | 26.34 | 0.0 | 5.85 | 2.45 | 0.00 | 0.30 | 0.02 | 0.02 | 0.33 | 0.00 | 0.00 | 4.6 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.063 | 2.710 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.86 |
| 294 | EP 5 | 9.40 | 0.004 | 26.38 | 0.0 | 5.85 | 2.42 | 0.00 | 0.30 | 0.02 | 0.02 | 0.33 | 0.00 | 0.00 | 4.6 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.058 | 2.708 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.87 |
| 295 | EP 5 | 9.30 | 0.004 | 26.42 | 0.0 | 5.84 | 2.39 | 0.00 | 0.30 | 0.02 | 0.02 | 0.33 | 0.00 | 0.00 | 4.6 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.052 | 2.706 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.87 |
| 296 | EP 5 | 9.20 | 0.004 | 26.46 | 0.0 | 5.84 | 2.36 | 0.00 | 0.30 | 0.02 | 0.01 | 0.33 | 0.00 | 0.00 | 4.6 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.046 | 2.705 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.88 |
| 297 | EP 5 | 9.10 | 0.004 | 26.49 | 0.0 | 5.83 | 2.33 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.00 | 0.00 | 4.5 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.041 | 2.703 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.88 |
| 298 | EP 5 | 9.00 | 0.005 | 26.53 | 0.0 | 5.82 | 2.31 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.00 | 0.00 | 4.5 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.035 | 2.702 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.89 |
| 299 | EP 5 | 8.90 | 0.005 | 26.57 | 0.0 | 5.82 | 2.29 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.00 | 0.00 | 4.5 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.030 | 2.700 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.89 |
| 300 | EP 5 | 8.80 | 0.005 | 26.61 | 0.0 | 5.81 | 2.27 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.00 | 0.00 | 4.5 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.024 | 2.699 | 0.04 | 0.04 | 0.00 | 0.00 | 0.30 | 1.90 |
| 301 | EP 5 | 8.70 | 0.005 | 26.65 | 0.0 | 5.81 | 2.25 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.00 | 0.00 | 4.4 | 0.0 | 0.30 | 3.9 | 0.004 | 0.004 | 8.019 | 2.698 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.90 |
| | WASTELOAD # 302 (LAG540869) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 302 | EP 5 | 8.60 | 0.006 | 26.69 | 0.0 | 5.43 | 4.59 | 0.00 | 0.46 | 0.38 | 0.30 | 1.14 | 0.00 | 0.00 | 4.4 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 8.013 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.90 |
| 303 | EP 5 | 8.50 | 0.006 | 26.72 | 0.0 | 5.50 | 4.47 | 0.00 | 0.45 | 0.35 | 0.31 | 1.11 | 0.00 | 0.00 | 4.4 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 8.007 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.91 |
| 304 | EP 5 | 8.40 | 0.006 | 26.76 | 0.0 | 5.55 | 4.35 | 0.00 | 0.45 | 0.33 | 0.31 | 1.09 | 0.00 | 0.00 | 4.4 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 8.002 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.91 |
| 305 | EP 5 | 8.30 | 0.006 | 26.80 | 0.0 | 5.58 | 4.24 | 0.00 | 0.45 | 0.30 | 0.32 | 1.07 | 0.00 | 0.00 | 4.3 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.996 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.92 |
| 306 | EP 5 | 8.20 | 0.006 | 26.84 | 0.0 | 5.60 | 4.13 | 0.00 | 0.44 | 0.28 | 0.32 | 1.04 | 0.00 | 0.00 | 4.3 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.991 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.92 |
| 307 | EP 5 | 8.10 | 0.006 | 26.88 | 0.0 | 5.61 | 4.02 | 0.00 | 0.44 | 0.26 | 0.32 | 1.02 | 0.00 | 0.00 | 4.3 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.986 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.93 |
| 308 | EP 5 | 8.00 | 0.006 | 26.92 | 0.0 | 5.62 | 3.92 | 0.00 | 0.44 | 0.24 | 0.32 | 1.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.980 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.93 |
| 309 | EP 5 | 7.90 | 0.006 | 26.96 | 0.0 | 5.63 | 3.83 | 0.00 | 0.44 | 0.22 | 0.32 | 0.98 | 0.00 | 0.00 | 4.2 | 0.0 | 0.31 | 3.9 | 0.005 | 0.005 | 7.974 | 2.677 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.94 |
| 310 | EP 5 | 7.80 | 0.006 | 26.99 | 0.0 | 5.64 | 3.74 | 0.00 | 0.43 | 0.21 | 0.32 | 0.96 | 0.00 | 0.00 | 4.2 | 0.0 | 0.32 | 3.9 | 0.005 | 0.005 | 7.969 | 2.678 | 0.04 | 0.04 | 0.00 | 0.00 | 0.31 | 1.94 |
| 311 | EP 5 | 7.70 | 0.007 | 27.03 | 0.0 | 5.64 | 3.65 | 0.00 | 0.43 | 0.19 | 0.32 | 0.94 | 0.00 | 0.00 | 4.2 | 0.0 | 0.32 | 3.9 | 0.005 | 0.005 | 7.963 | 2.678 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.95 |
| 312 | EP 5 | 7.60 | 0.007 | 27.07 | 0.0 | 5.64 | 3.57 | 0.00 | 0.43 | 0.18 | 0.31 | 0.92 | 0.00 | 0.00 | 4.2 | 0.0 | 0.32 | 3.9 | 0.005 | 0.005 | 7.958 | 2.679 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.95 |
| 313 | EP 5 | 7.50 | 0.007 | 27.11 | 0.0 | 5.64 | 3.49 | 0.00 | 0.43 | 0.17 | 0.31 | 0.90 | 0.00 | 0.00 | 4.1 | 0.0 | 0.32 | 3.9 | 0.005 | 0.005 | 7.952 | 2.679 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.96 |
| 314 | EP 5 | 7.40 | 0.007 | 27.15 | 0.0 | 5.64 | 3.41 | 0.00 | 0.42 | 0.16 | 0.31 | 0.88 | 0.00 | 0.00 | 4.1 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.947 | 2.680 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.96 |
| 315 | EP 5 | 7.30 | 0.007 | 27.19 | 0.0 | 5.64 | 3.34 | 0.00 | 0.42 | 0.15 | 0.30 | 0.87 | 0.00 | 0.00 | 4.1 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.942 | 2.680 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.97 |
| 316 | EP 5 | 7.20 | 0.007 | 27.23 | 0.0 | 5.64 | 3.27 | 0.00 | 0.42 | 0.14 | 0.30 | 0.85 | 0.00 | 0.00 | 4.1 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.936 | 2.681 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.97 |
| 317 | EP 5 | 7.10 | 0.007 | 27.26 | 0.0 | 5.64 | 3.20 | 0.00 | 0.42 | 0.13 | 0.29 | 0.84 | 0.00 | 0.00 | 4.0 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.931 | 2.682 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.98 |
| 318 | EP 5 | 7.00 | 0.007 | 27.30 | 0.0 | 5.64 | 3.14 | 0.00 | 0.42 | 0.12 | 0.28 | 0.82 | 0.00 | 0.00 | 4.0 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.925 | 2.683 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.98 |
| | WASTELOAD # 319 (LAG532175) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 319 | EP 5 | 6.90 | 0.008 | 27.34 | 0.0 | 5.47 | 4.09 | 0.00 | 0.48 | 0.27 | 0.39 | 1.14 | 0.00 | 0.00 | 4.0 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.920 | 2.679 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.98 |
| 320 | EP 5 | 6.80 | 0.008 | 27.38 | 0.0 | 5.50 | 4.00 | 0.00 | 0.48 | 0.26 | 0.39 | 1.12 | 0.00 | 0.00 | 4.0 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.914 | 2.680 | 0.04 | 0.04 | 0.00 | 0.00 | 0.32 | 1.99 |
| 321 | EP 5 | 6.70 | 0.008 | 27.42 | 0.0 | 5.52 | 3.92 | 0.00 | 0.47 | 0.24 | 0.39 | 1.10 | 0.00 | 0.00 | 3.9 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.909 | 2.681 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 1.99 |
| 322 | EP 5 | 6.60 | 0.008 | 27.46 | 0.0 | 5.53 | 3.83 | 0.00 | 0.47 | 0.22 | 0.38 | 1.08 | 0.00 | 0.00 | 3.9 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.903 | 2.682 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 2.00 |
| 323 | EP 5 | 6.50 | 0.008 | 27.50 | 0.0 | 5.54 | 3.75 | 0.00 | 0.47 | 0.21 | 0.38 | 1.06 | 0.00 | 0.00 | 3.9 | 0.0 | 0.32 | 3.9 | 0.006 | 0.006 | 7.898 | 2.683 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 2.00 |
| 324 | EP 5 | 6.40 | 0.008 | 27.53 | 0.0 | 5.55 | 3.68 | 0.00 | 0.47 | 0.20 | 0.38 | 1.04 | 0.00 | 0.00 | 3.9 | 0.0 | 0.32 | 3.9 | 0.007 | 0.007 | 7.892 | 2.685 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 2.01 |
| 325 | EP 5 | 6.30 | 0.008 | 27.57 | 0.0 | 5.55 | 3.60 | 0.00 | 0.46 | 0.19 | 0.37 | 1.02 | 0.00 | 0.00 | 3.8 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.888 | 2.686 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 2.01 |
| 326 | EP 5 | 6.20 | 0.008 | 27.61 | 0.0 | 5.55 | 3.53 | 0.00 | 0.46 | 0.18 | 0.37 | 1.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.882 | 2.687 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 2.02 |
| 327 | EP 5 | 6.10 | 0.008 | 27.65 | 0.0 | 5.55 | 3.46 | 0.00 | 0.46 | 0.17 | 0.36 | 0.99 | 0.00 | 0.00 | 3.8 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.877 | 2.688 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 2.02 |
| 328 | EP 5 | 6.00 | 0.009 | 27.69 | 0.0 | 5.55 | 3.39 | 0.00 | 0.46 | 0.16 | 0.36 | 0.97 | 0.00 | 0.00 | 3.8 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.871 | 2.690 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 2.03 |
| 329 | EP 5 | 5.90 | 0.009 | 27.73 | 0.0 | 5.55 | 3.33 | 0.00 | 0.45 | 0.15 | 0.35 | 0.96 | 0.00 | 0.00 | 3.7 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.866 | 2.691 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 2.03 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 330 | EP | 5 | 5.80 | 0.009 | 27.77 | 0.0 | 5.55 | 3.27 | 0.00 | 0.45 | 0.14 | 0.35 | 0.94 | 0.00 | 0.00 | 3.7 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.860 | 2.693 | 0.04 | 0.04 | 0.00 | 0.00 | 0.33 | 2.04 |
| 331 | EP | 5 | 5.70 | 0.009 | 27.80 | 0.0 | 5.55 | 3.21 | 0.00 | 0.45 | 0.13 | 0.34 | 0.92 | 0.00 | 0.00 | 3.7 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.855 | 2.694 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.04 |
| 332 | EP | 5 | 5.60 | 0.009 | 27.84 | 0.0 | 5.55 | 3.15 | 0.00 | 0.45 | 0.12 | 0.34 | 0.91 | 0.00 | 0.00 | 3.7 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.849 | 2.696 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.05 |
| WASTELOAD # 333 (Grp6-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 333 | EP | 5 | 5.50 | 0.009 | 27.88 | 0.0 | 5.52 | 3.31 | 0.00 | 0.46 | 0.15 | 0.34 | 0.95 | 0.00 | 0.00 | 3.6 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.844 | 2.697 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.05 |
| 334 | EP | 5 | 5.40 | 0.009 | 27.92 | 0.0 | 5.52 | 3.25 | 0.00 | 0.46 | 0.14 | 0.34 | 0.94 | 0.00 | 0.00 | 3.6 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.839 | 2.698 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.06 |
| 335 | EP | 5 | 5.30 | 0.009 | 27.96 | 0.0 | 5.52 | 3.19 | 0.00 | 0.46 | 0.13 | 0.34 | 0.93 | 0.00 | 0.00 | 3.6 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.833 | 2.700 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.06 |
| 336 | EP | 5 | 5.20 | 0.009 | 28.00 | 0.0 | 5.52 | 3.14 | 0.00 | 0.45 | 0.13 | 0.33 | 0.91 | 0.00 | 0.00 | 3.6 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.828 | 2.702 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.07 |
| 337 | EP | 5 | 5.10 | 0.009 | 28.03 | 0.0 | 5.52 | 3.08 | 0.00 | 0.45 | 0.12 | 0.32 | 0.90 | 0.00 | 0.00 | 3.5 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.823 | 2.703 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.07 |
| 338 | EP | 5 | 5.00 | 0.010 | 28.07 | 0.0 | 5.52 | 3.03 | 0.00 | 0.45 | 0.11 | 0.32 | 0.88 | 0.00 | 0.00 | 3.5 | 0.0 | 0.33 | 3.9 | 0.007 | 0.007 | 7.818 | 2.705 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.08 |
| 339 | EP | 5 | 4.90 | 0.010 | 28.11 | 0.0 | 5.51 | 2.98 | 0.00 | 0.45 | 0.11 | 0.31 | 0.87 | 0.00 | 0.00 | 3.5 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.812 | 2.707 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.08 |
| WASTELOAD # 340 (Grp7-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | EP | 5 | 4.80 | 0.010 | 28.15 | 0.0 | 5.44 | 3.37 | 0.00 | 0.47 | 0.17 | 0.35 | 1.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.807 | 2.708 | 0.04 | 0.04 | 0.00 | 0.00 | 0.34 | 2.09 |
| 341 | EP | 5 | 4.70 | 0.010 | 28.19 | 0.0 | 5.45 | 3.32 | 0.00 | 0.47 | 0.16 | 0.35 | 0.98 | 0.00 | 0.00 | 3.4 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.801 | 2.710 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 2.09 |
| 342 | EP | 5 | 4.60 | 0.010 | 28.23 | 0.0 | 5.45 | 3.26 | 0.00 | 0.47 | 0.16 | 0.35 | 0.97 | 0.00 | 0.00 | 3.4 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.796 | 2.712 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 2.10 |
| 343 | EP | 5 | 4.50 | 0.010 | 28.27 | 0.0 | 5.45 | 3.21 | 0.00 | 0.47 | 0.15 | 0.34 | 0.96 | 0.00 | 0.00 | 3.4 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.791 | 2.713 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 2.10 |
| 344 | EP | 5 | 4.40 | 0.010 | 28.30 | 0.0 | 5.46 | 3.16 | 0.00 | 0.46 | 0.14 | 0.34 | 0.94 | 0.00 | 0.00 | 3.4 | 0.0 | 0.33 | 3.9 | 0.008 | 0.008 | 7.786 | 2.715 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 2.11 |
| 345 | EP | 5 | 4.30 | 0.010 | 28.34 | 0.0 | 5.46 | 3.11 | 0.00 | 0.46 | 0.13 | 0.33 | 0.93 | 0.00 | 0.00 | 3.3 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.781 | 2.717 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 2.11 |
| 346 | EP | 5 | 4.20 | 0.011 | 28.38 | 0.0 | 5.45 | 3.06 | 0.00 | 0.46 | 0.13 | 0.33 | 0.92 | 0.00 | 0.00 | 3.3 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.775 | 2.719 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 2.12 |
| 347 | EP | 5 | 4.10 | 0.011 | 28.42 | 0.0 | 5.45 | 3.01 | 0.00 | 0.46 | 0.12 | 0.32 | 0.90 | 0.00 | 0.00 | 3.3 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.769 | 2.721 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 2.12 |
| 348 | EP | 5 | 4.00 | 0.011 | 28.46 | 0.0 | 5.45 | 2.97 | 0.00 | 0.46 | 0.11 | 0.32 | 0.89 | 0.00 | 0.00 | 3.3 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.764 | 2.723 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 2.13 |
| 349 | EP | 5 | 3.90 | 0.011 | 28.50 | 0.0 | 5.45 | 2.93 | 0.00 | 0.46 | 0.11 | 0.31 | 0.88 | 0.00 | 0.00 | 3.2 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.759 | 2.725 | 0.04 | 0.04 | 0.00 | 0.00 | 0.35 | 2.13 |

CAPSULE SUMMARY FOR East Pont.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | EP | 5 | 3.80 | 0.011 | 28.54 | 0.0 | 5.44 | 2.88 | 0.00 | 0.45 | 0.10 | 0.31 | 0.87 | 0.00 | 0.00 | 3.2 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.754 | 2.727 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 2.14 |
| 351 | EP | 5 | 3.70 | 0.011 | 28.57 | 0.0 | 5.44 | 2.84 | 0.00 | 0.45 | 0.10 | 0.31 | 0.86 | 0.00 | 0.00 | 3.2 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.748 | 2.729 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 2.14 |
| 352 | EP | 5 | 3.60 | 0.011 | 28.61 | 0.0 | 5.44 | 2.80 | 0.00 | 0.45 | 0.10 | 0.30 | 0.85 | 0.00 | 0.00 | 3.2 | 0.0 | 0.34 | 3.9 | 0.008 | 0.008 | 7.743 | 2.731 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 2.15 |
| 353 | EP | 5 | 3.50 | 0.011 | 28.65 | 0.0 | 5.43 | 2.76 | 0.00 | 0.45 | 0.09 | 0.30 | 0.84 | 0.00 | 0.00 | 3.1 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.738 | 2.733 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 2.16 |
| 354 | EP | 5 | 3.40 | 0.011 | 28.69 | 0.0 | 5.43 | 2.73 | 0.00 | 0.45 | 0.09 | 0.29 | 0.83 | 0.00 | 0.00 | 3.1 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.733 | 2.735 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 2.16 |
| 355 | EP | 5 | 3.30 | 0.011 | 28.73 | 0.0 | 5.43 | 2.69 | 0.00 | 0.45 | 0.08 | 0.29 | 0.82 | 0.00 | 0.00 | 3.1 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.727 | 2.737 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 2.17 |
| 356 | EP | 5 | 3.20 | 0.011 | 28.77 | 0.0 | 5.42 | 2.66 | 0.00 | 0.44 | 0.08 | 0.28 | 0.81 | 0.00 | 0.00 | 3.1 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.723 | 2.739 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 2.17 |
| 357 | EP | 5 | 3.10 | 0.012 | 28.81 | 0.0 | 5.42 | 2.62 | 0.00 | 0.44 | 0.08 | 0.28 | 0.80 | 0.00 | 0.00 | 3.0 | 0.0 | 0.34 | 3.9 | 0.009 | 0.009 | 7.717 | 2.741 | 0.04 | 0.04 | 0.00 | 0.00 | 0.36 | 2.18 |
| WASTELOAD # 358 (Grp8-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 358 | EP | 5 | 3.00 | 0.015 | 28.84 | 0.0 | 5.02 | 5.12 | 0.00 | 0.58 | 0.49 | 0.64 | 1.71 | 0.00 | 0.00 | 3.0 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.712 | 2.758 | 0.05 | 0.04 | 0.00 | 0.00 | 0.36 | 2.18 |
| 359 | EP | 5 | 2.90 | 0.015 | 28.88 | 0.0 | 5.06 | 5.04 | 0.00 | 0.57 | 0.47 | 0.64 | 1.69 | 0.00 | 0.00 | 3.0 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.707 | 2.761 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 2.19 |
| 360 | EP | 5 | 2.80 | 0.015 | 28.92 | 0.0 | 5.10 | 4.96 | 0.00 | 0.57 | 0.45 | 0.64 | 1.67 | 0.00 | 0.00 | 3.0 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.701 | 2.763 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 2.19 |
| 361 | EP | 5 | 2.70 | 0.015 | 28.96 | 0.0 | 5.12 | 4.89 | 0.00 | 0.57 | 0.43 | 0.65 | 1.65 | 0.00 | 0.00 | 2.9 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.696 | 2.766 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 2.20 |
| 362 | EP | 5 | 2.60 | 0.015 | 29.00 | 0.0 | 5.15 | 4.81 | 0.00 | 0.57 | 0.41 | 0.65 | 1.63 | 0.00 | 0.00 | 2.9 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.691 | 2.768 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 2.20 |
| 363 | EP | 5 | 2.50 | 0.015 | 29.04 | 0.0 | 5.16 | 4.73 | 0.00 | 0.57 | 0.40 | 0.65 | 1.61 | 0.00 | 0.00 | 2.9 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.686 | 2.771 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 2.21 |
| 364 | EP | 5 | 2.40 | 0.015 | 29.08 | 0.0 | 5.18 | 4.66 | 0.00 | 0.56 | 0.38 | 0.65 | 1.59 | 0.00 | 0.00 | 2.9 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.681 | 2.773 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 2.21 |
| 365 | EP | 5 | 2.30 | 0.015 | 29.11 | 0.0 | 5.19 | 4.59 | 0.00 | 0.56 | 0.37 | 0.65 | 1.58 | 0.00 | 0.00 | 2.8 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.676 | 2.776 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 2.22 |
| 366 | EP | 5 | 2.20 | 0.015 | 29.15 | 0.0 | 5.20 | 4.52 | 0.00 | 0.56 | 0.35 | 0.65 | 1.56 | 0.00 | 0.00 | 2.8 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.671 | 2.778 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 2.22 |
| 367 | EP | 5 | 2.10 | 0.015 | 29.19 | 0.0 | 5.20 | 4.45 | 0.00 | 0.56 | 0.34 | 0.64 | 1.54 | 0.00 | 0.00 | 2.8 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.665 | 2.781 | 0.05 | 0.04 | 0.00 | 0.00 | 0.37 | 2.23 |
| 368 | EP | 5 | 2.00 | 0.016 | 29.23 | 0.0 | 5.21 | 4.38 | 0.00 | 0.56 | 0.32 | 0.64 | 1.52 | 0.00 | 0.00 | 2.8 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.660 | 2.784 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 2.24 |
| 369 | EP | 5 | 1.90 | 0.016 | 29.27 | 0.0 | 5.22 | 4.32 | 0.00 | 0.55 | 0.31 | 0.64 | 1.51 | 0.00 | 0.00 | 2.7 | 0.0 | 0.35 | 3.9 | 0.011 | 0.011 | 7.655 | 2.786 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 2.24 |
| 370 | EP | 5 | 1.80 | 0.016 | 29.31 | 0.0 | 5.22 | 4.25 | 0.00 | 0.55 | 0.30 | 0.64 | 1.49 | 0.00 | 0.00 | 2.7 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.650 | 2.789 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 2.25 |
| 371 | EP | 5 | 1.70 | 0.016 | 29.34 | 0.0 | 5.22 | 4.19 | 0.00 | 0.55 | 0.29 | 0.63 | 1.47 | 0.00 | 0.00 | 2.7 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.645 | 2.791 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 2.25 |
| 372 | EP | 5 | 1.60 | 0.016 | 29.38 | 0.0 | 5.22 | 4.12 | 0.00 | 0.55 | 0.28 | 0.63 | 1.46 | 0.00 | 0.00 | 2.7 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.640 | 2.794 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 2.26 |
| 373 | EP | 5 | 1.50 | 0.016 | 29.42 | 0.0 | 5.23 | 4.06 | 0.00 | 0.55 | 0.26 | 0.63 | 1.44 | 0.00 | 0.00 | 2.6 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.634 | 2.797 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 2.26 |
| 374 | EP | 5 | 1.40 | 0.016 | 29.46 | 0.0 | 5.23 | 4.00 | 0.00 | 0.54 | 0.25 | 0.62 | 1.42 | 0.00 | 0.00 | 2.6 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.629 | 2.800 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 2.27 |
| 375 | EP | 5 | 1.30 | 0.016 | 29.50 | 0.0 | 5.23 | 3.94 | 0.00 | 0.54 | 0.24 | 0.62 | 1.41 | 0.00 | 0.00 | 2.6 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.624 | 2.802 | 0.05 | 0.04 | 0.00 | 0.00 | 0.38 | 2.27 |
| 376 | EP | 5 | 1.20 | 0.016 | 29.54 | 0.0 | 5.23 | 3.88 | 0.00 | 0.54 | 0.24 | 0.61 | 1.39 | 0.00 | 0.00 | 2.6 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.620 | 2.805 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 2.28 |
| 377 | EP | 5 | 1.10 | 0.016 | 29.58 | 0.0 | 5.23 | 3.83 | 0.00 | 0.54 | 0.23 | 0.61 | 1.38 | 0.00 | 0.00 | 2.5 | 0.0 | 0.35 | 3.9 | 0.012 | 0.012 | 7.614 | 2.808 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 2.28 |
| 378 | EP | 5 | 1.00 | 0.016 | 29.61 | 0.0 | 5.23 | 3.77 | 0.00 | 0.54 | 0.22 | 0.61 | 1.36 | 0.00 | 0.00 | 2.5 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.609 | 2.810 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 2.29 |
| 379 | EP | 5 | 0.90 | 0.017 | 29.65 | 0.0 | 5.23 | 3.72 | 0.00 | 0.54 | 0.21 | 0.60 | 1.35 | 0.00 | 0.00 | 2.5 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.604 | 2.813 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 2.30 |
| 380 | EP | 5 | 0.80 | 0.017 | 29.69 | 0.0 | 5.22 | 3.66 | 0.00 | 0.53 | 0.20 | 0.60 | 1.33 | 0.00 | 0.00 | 2.5 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.599 | 2.816 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 2.30 |
| 381 | EP | 5 | 0.70 | 0.017 | 29.73 | 0.0 | 5.22 | 3.61 | 0.00 | 0.53 | 0.19 | 0.59 | 1.32 | 0.00 | 0.00 | 2.4 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.594 | 2.818 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 2.31 |
| 382 | EP | 5 | 0.60 | 0.017 | 29.77 | 0.0 | 5.22 | 3.56 | 0.00 | 0.53 | 0.19 | 0.58 | 1.30 | 0.00 | 0.00 | 2.4 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.589 | 2.821 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 2.31 |
| 383 | EP | 5 | 0.50 | 0.017 | 29.81 | 0.0 | 5.22 | 3.51 | 0.00 | 0.53 | 0.18 | 0.58 | 1.29 | 0.00 | 0.00 | 2.4 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.584 | 2.824 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 2.32 |
| 384 | EP | 5 | 0.40 | 0.017 | 29.85 | 0.0 | 5.22 | 3.46 | 0.00 | 0.53 | 0.17 | 0.57 | 1.28 | 0.00 | 0.00 | 2.4 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.579 | 2.826 | 0.05 | 0.04 | 0.00 | 0.00 | 0.39 | 2.32 |
| 385 | EP | 5 | 0.30 | 0.017 | 29.88 | 0.0 | 5.22 | 3.41 | 0.00 | 0.53 | 0.17 | 0.57 | 1.26 | 0.00 | 0.00 | 2.3 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.574 | 2.829 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 2.33 |
| 386 | EP | 5 | 0.20 | 0.017 | 29.92 | 0.0 | 5.21 | 3.37 | 0.00 | 0.52 | 0.16 | 0.56 | 1.25 | 0.00 | 0.00 | 2.3 | 0.0 | 0.36 | 3.9 | 0.012 | 0.012 | 7.568 | 2.832 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 2.34 |
| 387 | EP | 5 | 0.10 | 0.017 | 29.96 | 0.0 | 5.21 | 3.32 | 0.00 | 0.52 | 0.16 | 0.56 | 1.24 | 0.00 | 0.00 | 2.3 | 0.0 | 0.36 | 3.9 | 0.013 | 0.013 | 7.564 | 2.834 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 2.34 |
| 388 | EP | 5 | 0.00 | 0.017 | 30.00 | 0.0 | 5.21 | 3.28 | 0.00 | 0.52 | 0.15 | 0.55 | 1.22 | 0.00 | 0.00 | 2.2 | 0.0 | 0.36 | 3.9 | 0.013 | 0.013 | 7.559 | 2.837 | 0.05 | 0.04 | 0.00 | 0.00 | 0.40 | 2.35 |

CAPSULE SUMMARY FOR Arnold's Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | AC | 7 | 7.30 | 0.003 | 33.90 | 0.0 | 6.88 | 5.01 | 0.00 | 0.15 | 0.12 | 0.14 | 0.41 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 488 | AC | 7 | 7.20 | 0.003 | 33.90 | 0.0 | 6.91 | 4.66 | 0.00 | 0.15 | 0.09 | 0.09 | 0.32 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 489 | AC | 7 | 7.10 | 0.003 | 33.90 | 0.0 | 6.94 | 4.35 | 0.00 | 0.15 | 0.06 | 0.04 | 0.25 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 490 | AC | 7 | 7.00 | 0.003 | 33.90 | 0.0 | 6.96 | 4.08 | 0.00 | 0.15 | 0.05 | 0.00 | 0.20 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 491 | AC | 7 | 6.90 | 0.003 | 33.90 | 0.0 | 6.98 | 3.82 | 0.00 | 0.15 | 0.04 | 0.00 | 0.18 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 492 | AC | 7 | 6.80 | 0.003 | 33.90 | 0.0 | 6.99 | 3.58 | 0.00 | 0.15 | 0.03 | 0.00 | 0.17 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 493 | AC | 7 | 6.70 | 0.003 | 33.90 | 0.0 | 7.00 | 3.35 | 0.00 | 0.14 | 0.02 | 0.00 | 0.16 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 494 | AC | 7 | 6.60 | 0.003 | 33.90 | 0.0 | 7.01 | 3.14 | 0.00 | 0.14 | 0.02 | 0.00 | 0.16 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 495 | AC | 7 | 6.50 | 0.003 | 33.90 | 0.0 | 7.02 | 2.94 | 0.00 | 0.14 | 0.01 | 0.00 | 0.15 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 496 | AC | 7 | 6.40 | 0.003 | 33.90 | 0.0 | 7.03 | 2.75 | 0.00 | 0.14 | 0.01 | 0.00 | 0.15 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 497 | AC | 7 | 6.30 | 0.003 | 33.90 | 0.0 | 7.03 | 2.58 | 0.00 | 0.14 | 0.01 | 0.00 | 0.15 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 498 | AC | 7 | 6.20 | 0.003 | 33.90 | 0.0 | 7.04 | 2.41 | 0.00 | 0.14 | 0.01 | 0.00 | 0.14 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.819 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| WASTELOAD # 499 (LAG750157) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 499 | AC | 7 | 6.10 | 0.003 | 33.90 | 0.0 | 6.90 | 2.14 | 0.00 | 0.13 | 0.01 | 0.00 | 0.13 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 500 | AC | 7 | 6.00 | 0.003 | 33.90 | 0.0 | 7.00 | 2.01 | 0.00 | 0.13 | 0.01 | 0.00 | 0.13 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 501 | AC | 7 | 5.90 | 0.003 | 33.90 | 0.0 | 7.04 | 1.89 | 0.00 | 0.13 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 502 | AC | 7 | 5.80 | 0.003 | 33.90 | 0.0 | 7.05 | 1.77 | 0.00 | 0.13 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 503 | AC | 7 | 5.70 | 0.003 | 33.90 | 0.0 | 7.06 | 1.67 | 0.00 | 0.12 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 504 | AC | 7 | 5.60 | 0.003 | 33.90 | 0.0 | 7.06 | 1.57 | 0.00 | 0.12 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 505 | AC | 7 | 5.50 | 0.003 | 33.90 | 0.0 | 7.07 | 1.47 | 0.00 | 0.12 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 506 | AC | 7 | 5.40 | 0.003 | 33.90 | 0.0 | 7.07 | 1.38 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 507 | AC | 7 | 5.30 | 0.003 | 33.90 | 0.0 | 7.07 | 1.30 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 508 | AC | 7 | 5.20 | 0.003 | 33.90 | 0.0 | 7.07 | 1.22 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 509 | AC | 7 | 5.10 | 0.003 | 33.90 | 0.0 | 7.07 | 1.15 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 510 | AC | 7 | 5.00 | 0.003 | 33.90 | 0.0 | 7.07 | 1.08 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 511 | AC | 7 | 4.90 | 0.003 | 33.90 | 0.0 | 7.08 | 1.01 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 512 | AC | 7 | 4.80 | 0.003 | 33.90 | 0.0 | 7.08 | 0.95 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 513 | AC | 7 | 4.70 | 0.003 | 33.90 | 0.0 | 7.08 | 0.89 | 0.00 | 0.11 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 514 | AC | 7 | 4.60 | 0.003 | 33.90 | 0.0 | 7.08 | 0.84 | 0.00 | 0.11 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 515 | AC | 7 | 4.50 | 0.003 | 33.90 | 0.0 | 7.08 | 0.79 | 0.00 | 0.11 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 516 | AC | 7 | 4.40 | 0.003 | 33.90 | 0.0 | 7.08 | 0.74 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 517 | AC | 7 | 4.30 | 0.003 | 33.90 | 0.0 | 7.08 | 0.70 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 518 | AC | 7 | 4.20 | 0.003 | 33.90 | 0.0 | 7.08 | 0.65 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 519 | AC | 7 | 4.10 | 0.003 | 33.90 | 0.0 | 7.08 | 0.61 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 520 | AC | 7 | 4.00 | 0.003 | 33.90 | 0.0 | 7.09 | 0.58 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 521 | AC | 7 | 3.90 | 0.003 | 33.90 | 0.0 | 7.09 | 0.54 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 522 | AC | 7 | 3.80 | 0.003 | 33.90 | 0.0 | 7.09 | 0.51 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 523 | AC | 7 | 3.70 | 0.003 | 33.90 | 0.0 | 7.09 | 0.48 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 524 | AC | 7 | 3.60 | 0.003 | 33.90 | 0.0 | 7.09 | 0.45 | 0.00 | 0.10 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 525 | AC | 7 | 3.50 | 0.003 | 33.90 | 0.0 | 7.09 | 0.42 | 0.00 | 0.10 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 526 | AC | 7 | 3.40 | 0.003 | 33.90 | 0.0 | 7.09 | 0.40 | 0.00 | 0.10 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 527 | AC | 7 | 3.30 | 0.003 | 33.90 | 0.0 | 7.09 | 0.37 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 528 | AC | 7 | 3.20 | 0.003 | 33.90 | 0.0 | 7.09 | 0.35 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 529 | AC | 7 | 3.10 | 0.003 | 33.90 | 0.0 | 7.09 | 0.33 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 530 | AC | 7 | 3.00 | 0.003 | 33.90 | 0.0 | 7.09 | 0.31 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 531 | AC | 7 | 2.90 | 0.003 | 33.90 | 0.0 | 7.09 | 0.29 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 532 | AC | 7 | 2.80 | 0.003 | 33.90 | 0.0 | 7.09 | 0.27 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 533 | AC | 7 | 2.70 | 0.003 | 33.90 | 0.0 | 7.09 | 0.26 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.798 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| WASTELOAD # 534 (LAG540662) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 534 | AC | 7 | 2.60 | 0.003 | 33.90 | 0.0 | 7.08 | 0.24 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 535 | AC | 7 | 2.50 | 0.003 | 33.90 | 0.0 | 7.09 | 0.23 | 0.00 | 0.09 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 536 | AC | 7 | 2.40 | 0.003 | 33.90 | 0.0 | 7.09 | 0.21 | 0.00 | 0.09 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 537 | AC | 7 | 2.30 | 0.003 | 33.90 | 0.0 | 7.09 | 0.20 | 0.00 | 0.09 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 538 | AC | 7 | 2.20 | 0.003 | 33.90 | 0.0 | 7.09 | 0.19 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 539 | AC | 7 | 2.10 | 0.003 | 33.90 | 0.0 | 7.10 | 0.18 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 540 | AC | 7 | 2.00 | 0.003 | 33.90 | 0.0 | 7.10 | 0.17 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 541 | AC | 7 | 1.90 | 0.003 | 33.90 | 0.0 | 7.10 | 0.16 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 542 | AC | 7 | 1.80 | 0.003 | 33.90 | 0.0 | 7.10 | 0.15 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 543 | AC | 7 | 1.70 | 0.003 | 33.90 | 0.0 | 7.10 | 0.14 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 544 | AC | 7 | 1.60 | 0.003 | 33.90 | 0.0 | 7.10 | 0.13 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 545 | AC | 7 | 1.50 | 0.003 | 33.90 | 0.0 | 7.10 | 0.12 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 22.0 | 0.0 | 0.32 | 5.2 | 0.002 | 0.002 | 7.076 | 2.795 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| WASTELOAD # 546 (LAG531467) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 546 | AC | 7 | 1.40 | 0.003 | 33.90 | 0.0 | 6.69 | 2.48 | 0.00 | 0.26 | 0.28 | 0.00 | 0.54 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 547 | AC | 7 | 1.30 | 0.003 | 33.90 | 0.0 | 6.80 | 2.34 | 0.00 | 0.25 | 0.22 | 0.00 | 0.47 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 548 | AC | 7 | 1.20 | 0.003 | 33.90 | 0.0 | 6.88 | 2.22 | 0.00 | 0.25 | 0.17 | 0.00 | 0.42 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 549 | AC | 7 | 1.10 | 0.003 | 33.90 | 0.0 | 6.93 | 2.10 | 0.00 | 0.25 | 0.13 | 0.00 | 0.38 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 550 | AC | 7 | 1.00 | 0.003 | 33.90 | 0.0 | 6.96 | 1.99 | 0.00 | 0.25 | 0.10 | 0.00 | 0.35 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 551 | AC | 7 | 0.90 | 0.003 | 33.90 | 0.0 | 6.99 | 1.88 | 0.00 | 0.25 | 0.08 | 0.00 | 0.32 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 552 | AC | 7 | 0.80 | 0.003 | 33.90 | 0.0 | 7.01 | 1.78 | 0.00 | 0.24 | 0.06 | 0.00 | 0.31 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 553 | AC | 7 | 0.70 | 0.003 | 33.90 | 0.0 | 7.03 | 1.68 | 0.00 | 0.24 | 0.05 | 0.00 | 0.29 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 554 | AC | 7 | 0.60 | 0.003 | 33.90 | 0.0 | 7.04 | 1.59 | 0.00 | 0.24 | 0.04 | 0.00 | 0.28 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 555 | AC | 7 | 0.50 | 0.003 | 33.90 | 0.0 | 7.05 | 1.51 | 0.00 | 0.24 | 0.03 | 0.00 | 0.27 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 556 | AC | 7 | 0.40 | 0.003 | 33.90 | 0.0 | 7.06 | 1.43 | 0.00 | 0.24 | 0.02 | 0.00 | 0.26 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 557 | AC | 7 | 0.30 | 0.003 | 33.90 | 0.0 | 7.06 | 1.35 | 0.00 | 0.24 | 0.02 | 0.00 | 0.26 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |

CAPSULE SUMMARY FOR Arnold's Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 558 | AC 7 | 0.20 | 0.003 | 33.90 | 0.0 | 7.07 | 1.28 | 0.00 | 0.23 | 0.02 | 0.00 | 0.25 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 559 | AC 7 | 0.10 | 0.003 | 33.90 | 0.0 | 7.07 | 1.21 | 0.00 | 0.23 | 0.01 | 0.00 | 0.25 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |
| 560 | AC 7 | 0.00 | 0.003 | 33.90 | 0.0 | 7.08 | 1.15 | 0.00 | 0.23 | 0.01 | 0.00 | 0.24 | 0.00 | 0.00 | 22.0 | 0.0 | 0.33 | 5.2 | 0.002 | 0.002 | 7.076 | 2.749 | 0.06 | 0.04 | 0.00 | 0.00 | 0.55 | 0.65 |

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 1 Pontchatoula (Head to PTS) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 0.00283 | 30.00 | 0.00 | 0.00 | 0.00 | 6.85 | 4.61 | 0.00 | 4.77 | 0.00 | 0.38 | 0.09 | 0.07 | 0.00 | 1.50 | 0.00 | 0.00 |
| 21 | WSTLD | 0.00004 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | WSTLD | 0.00120 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 21.30 | 0.00 | 21.30 | 0.00 | 1.55 | 3.09 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | WSTLD | 0.00120 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 21.30 | 0.00 | 21.30 | 0.00 | 1.55 | 3.09 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | WSTLD | 0.00105 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 20.56 | 0.00 | 20.56 | 0.00 | 1.49 | 2.98 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.60 | 40.50 | 0.00283 | 0.0 | 0.00303 | 0.38 | 0.38 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 2 | 40.50 | 40.40 | 0.00283 | 0.0 | 0.00303 | 0.38 | 0.76 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 3 | 40.40 | 40.30 | 0.00283 | 0.0 | 0.00303 | 0.38 | 1.14 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 4 | 40.30 | 40.20 | 0.00283 | 0.0 | 0.00303 | 0.38 | 1.53 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 5 | 40.20 | 40.10 | 0.00283 | 0.0 | 0.00303 | 0.38 | 1.91 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 6 | 40.10 | 40.00 | 0.00283 | 0.0 | 0.00303 | 0.38 | 2.29 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 7 | 40.00 | 39.90 | 0.00283 | 0.0 | 0.00303 | 0.38 | 2.67 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 8 | 39.90 | 39.80 | 0.00283 | 0.0 | 0.00303 | 0.38 | 3.05 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 9 | 39.80 | 39.70 | 0.00283 | 0.0 | 0.00303 | 0.38 | 3.43 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 10 | 39.70 | 39.60 | 0.00283 | 0.0 | 0.00303 | 0.38 | 3.81 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 11 | 39.60 | 39.50 | 0.00283 | 0.0 | 0.00303 | 0.38 | 4.20 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 12 | 39.50 | 39.40 | 0.00283 | 0.0 | 0.00303 | 0.38 | 4.58 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 13 | 39.40 | 39.30 | 0.00283 | 0.0 | 0.00303 | 0.38 | 4.96 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 14 | 39.30 | 39.20 | 0.00283 | 0.0 | 0.00303 | 0.38 | 5.34 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 15 | 39.20 | 39.10 | 0.00283 | 0.0 | 0.00303 | 0.38 | 5.72 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 16 | 39.10 | 39.00 | 0.00283 | 0.0 | 0.00303 | 0.38 | 6.10 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 17 | 39.00 | 38.90 | 0.00283 | 0.0 | 0.00303 | 0.38 | 6.48 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 18 | 38.90 | 38.80 | 0.00283 | 0.0 | 0.00303 | 0.38 | 6.87 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 19 | 38.80 | 38.70 | 0.00283 | 0.0 | 0.00303 | 0.38 | 7.25 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 20 | 38.70 | 38.60 | 0.00283 | 0.0 | 0.00303 | 0.38 | 7.63 | 0.34 | 2.74 | 93.26 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 21 | 38.60 | 38.50 | 0.00287 | 1.4 | 0.00307 | 0.38 | 8.00 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 22 | 38.50 | 38.40 | 0.00287 | 1.4 | 0.00307 | 0.38 | 8.38 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 23 | 38.40 | 38.30 | 0.00287 | 1.4 | 0.00307 | 0.38 | 8.76 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 24 | 38.30 | 38.20 | 0.00287 | 1.4 | 0.00307 | 0.38 | 9.13 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 25 | 38.20 | 38.10 | 0.00287 | 1.4 | 0.00307 | 0.38 | 9.51 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 26 | 38.10 | 38.00 | 0.00287 | 1.4 | 0.00307 | 0.38 | 9.89 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 27 | 38.00 | 37.90 | 0.00287 | 1.4 | 0.00307 | 0.38 | 10.27 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 28 | 37.90 | 37.80 | 0.00287 | 1.4 | 0.00307 | 0.38 | 10.64 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 29 | 37.80 | 37.70 | 0.00287 | 1.4 | 0.00307 | 0.38 | 11.02 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 30 | 37.70 | 37.60 | 0.00287 | 1.4 | 0.00307 | 0.38 | 11.40 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 31 | 37.60 | 37.50 | 0.00287 | 1.4 | 0.00307 | 0.38 | 11.77 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 32 | 37.50 | 37.40 | 0.00287 | 1.4 | 0.00307 | 0.38 | 12.15 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 33 | 37.40 | 37.30 | 0.00287 | 1.4 | 0.00307 | 0.38 | 12.53 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 34 | 37.30 | 37.20 | 0.00287 | 1.4 | 0.00307 | 0.38 | 12.90 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 35 | 37.20 | 37.10 | 0.00287 | 1.4 | 0.00307 | 0.38 | 13.28 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 36 | 37.10 | 37.00 | 0.00287 | 1.4 | 0.00307 | 0.38 | 13.66 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 37 | 37.00 | 36.90 | 0.00287 | 1.4 | 0.00307 | 0.38 | 14.03 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 38 | 36.90 | 36.80 | 0.00287 | 1.4 | 0.00307 | 0.38 | 14.41 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 39 | 36.80 | 36.70 | 0.00287 | 1.4 | 0.00307 | 0.38 | 14.79 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 40 | 36.70 | 36.60 | 0.00287 | 1.4 | 0.00307 | 0.38 | 15.16 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 41 | 36.60 | 36.50 | 0.00287 | 1.4 | 0.00307 | 0.38 | 15.54 | 0.34 | 2.74 | 93.42 | 274.00 | 0.93 | 0.00 | 0.000 | 0.000 | 0.003 |
| 42 | 36.50 | 36.40 | 0.00407 | 30.5 | 0.00417 | 0.28 | 15.82 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43 | 36.40 | 36.30 | 0.00407 | 30.5 | 0.00417 | 0.28 | 16.10 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 44 | 36.30 | 36.20 | 0.00407 | 30.5 | 0.00417 | 0.28 | 16.37 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 45 | 36.20 | 36.10 | 0.00407 | 30.5 | 0.00417 | 0.28 | 16.65 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 46 | 36.10 | 36.00 | 0.00407 | 30.5 | 0.00417 | 0.28 | 16.93 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 47 | 36.00 | 35.90 | 0.00407 | 30.5 | 0.00417 | 0.28 | 17.21 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 48 | 35.90 | 35.80 | 0.00407 | 30.5 | 0.00417 | 0.28 | 17.48 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 49 | 35.80 | 35.70 | 0.00407 | 30.5 | 0.00417 | 0.28 | 17.76 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 50 | 35.70 | 35.60 | 0.00407 | 30.5 | 0.00417 | 0.28 | 18.04 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 51 | 35.60 | 35.50 | 0.00407 | 30.5 | 0.00417 | 0.28 | 18.32 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 52 | 35.50 | 35.40 | 0.00407 | 30.5 | 0.00417 | 0.28 | 18.60 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 53 | 35.40 | 35.30 | 0.00407 | 30.5 | 0.00417 | 0.28 | 18.87 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 54 | 35.30 | 35.20 | 0.00407 | 30.5 | 0.00417 | 0.28 | 19.15 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 55 | 35.20 | 35.10 | 0.00407 | 30.5 | 0.00417 | 0.28 | 19.43 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 56 | 35.10 | 35.00 | 0.00407 | 30.5 | 0.00417 | 0.28 | 19.71 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 57 | 35.00 | 34.90 | 0.00407 | 30.5 | 0.00417 | 0.28 | 19.98 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 58 | 34.90 | 34.80 | 0.00407 | 30.5 | 0.00417 | 0.28 | 20.26 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 59 | 34.80 | 34.70 | 0.00407 | 30.5 | 0.00417 | 0.28 | 20.54 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 60 | 34.70 | 34.60 | 0.00407 | 30.5 | 0.00417 | 0.28 | 20.82 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 61 | 34.60 | 34.50 | 0.00407 | 30.5 | 0.00417 | 0.28 | 21.10 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 62 | 34.50 | 34.40 | 0.00407 | 30.5 | 0.00417 | 0.28 | 21.37 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 63 | 34.40 | 34.30 | 0.00407 | 30.5 | 0.00417 | 0.28 | 21.65 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 64 | 34.30 | 34.20 | 0.00407 | 30.5 | 0.00417 | 0.28 | 21.93 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 65 | 34.20 | 34.10 | 0.00407 | 30.5 | 0.00417 | 0.28 | 22.21 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 66 | 34.10 | 34.00 | 0.00407 | 30.5 | 0.00417 | 0.28 | 22.48 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 67 | 34.00 | 33.90 | 0.00407 | 30.5 | 0.00417 | 0.28 | 22.76 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 68 | 33.90 | 33.80 | 0.00407 | 30.5 | 0.00417 | 0.28 | 23.04 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 69 | 33.80 | 33.70 | 0.00407 | 30.5 | 0.00417 | 0.28 | 23.32 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 70 | 33.70 | 33.60 | 0.00407 | 30.5 | 0.00417 | 0.28 | 23.60 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 71 | 33.60 | 33.50 | 0.00407 | 30.5 | 0.00417 | 0.28 | 23.87 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 72 | 33.50 | 33.40 | 0.00407 | 30.5 | 0.00417 | 0.28 | 24.15 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 73 | 33.40 | 33.30 | 0.00407 | 30.5 | 0.00417 | 0.28 | 24.43 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 74 | 33.30 | 33.20 | 0.00407 | 30.5 | 0.00417 | 0.28 | 24.71 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 75 | 33.20 | 33.10 | 0.00407 | 30.5 | 0.00417 | 0.28 | 24.98 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 76 | 33.10 | 33.00 | 0.00407 | 30.5 | 0.00417 | 0.28 | 25.26 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 77 | 33.00 | 32.90 | 0.00407 | 30.5 | 0.00417 | 0.28 | 25.54 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 78 | 32.90 | 32.80 | 0.00407 | 30.5 | 0.00417 | 0.28 | 25.82 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 79 | 32.80 | 32.70 | 0.00407 | 30.5 | 0.00417 | 0.28 | 26.10 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 80 | 32.70 | 32.60 | 0.00407 | 30.5 | 0.00417 | 0.28 | 26.37 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 81 | 32.60 | 32.50 | 0.00407 | 30.5 | 0.00417 | 0.28 | 26.65 | 0.36 | 2.74 | 97.69 | 274.00 | 0.98 | 0.00 | 0.000 | 0.000 | 0.004 |
| 82 | 32.50 | 32.40 | 0.00527 | 46.3 | 0.00522 | 0.22 | 26.87 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 83 | 32.40 | 32.30 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.09 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 84 | 32.30 | 32.20 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.32 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 85 | 32.20 | 32.10 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.54 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 86 | 32.10 | 32.00 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.76 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 87 | 32.00 | 31.90 | 0.00527 | 46.3 | 0.00522 | 0.22 | 27.98 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 88 | 31.90 | 31.80 | 0.00527 | 46.3 | 0.00522 | 0.22 | 28.20 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 89 | 31.80 | 31.70 | 0.00527 | 46.3 | 0.00522 | 0.22 | 28.43 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 90 | 31.70 | 31.60 | 0.00527 | 46.3 | 0.00522 | 0.22 | 28.65 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 91 | 31.60 | 31.50 | 0.00527 | 46.3 | 0.00522 | 0.22 | 28.87 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 92 | 31.50 | 31.40 | 0.00527 | 46.3 | 0.00522 | 0.22 | 29.09 | 0.37 | 2.74 | 100.96 | 274.00 | 1.01 | 0.00 | 0.000 | 0.000 | 0.005 |
| 93 | 31.40 | 31.30 | 0.00632 | 55.2 | 0.00612 | 0.19 | 29.28 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 94 | 31.30 | 31.20 | 0.00632 | 55.2 | 0.00612 | 0.19 | 29.47 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 95 | 31.20 | 31.10 | 0.00632 | 55.2 | 0.00612 | 0.19 | 29.66 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 96 | 31.10 | 31.00 | 0.00632 | 55.2 | 0.00612 | 0.19 | 29.85 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 97 | 31.00 | 30.90 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.04 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 98 | 30.90 | 30.80 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.23 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 99 | 30.80 | 30.70 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.42 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 100 | 30.70 | 30.60 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.60 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 101 | 30.60 | 30.50 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.79 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 102 | 30.50 | 30.40 | 0.00632 | 55.2 | 0.00612 | 0.19 | 30.98 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 103 | 30.40 | 30.30 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.17 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 104 | 30.30 | 30.20 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.36 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 105 | 30.20 | 30.10 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.55 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 106 | 30.10 | 30.00 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.74 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 107 | 30.00 | 29.90 | 0.00632 | 55.2 | 0.00612 | 0.19 | 31.93 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 108 | 29.90 | 29.80 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.12 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 109 | 29.80 | 29.70 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.31 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 110 | 29.70 | 29.60 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.50 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 111 | 29.60 | 29.50 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.69 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 112 | 29.50 | 29.40 | 0.00632 | 55.2 | 0.00612 | 0.19 | 32.88 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 113 | 29.40 | 29.30 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.06 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 114 | 29.30 | 29.20 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.25 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 115 | 29.20 | 29.10 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.44 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 116 | 29.10 | 29.00 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.63 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | 29.00 | 28.90 | 0.00632 | 55.2 | 0.00612 | 0.19 | 33.82 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 118 | 28.90 | 28.80 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.01 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 119 | 28.80 | 28.70 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.20 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 120 | 28.70 | 28.60 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.39 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 121 | 28.60 | 28.50 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.58 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| 122 | 28.50 | 28.40 | 0.00632 | 55.2 | 0.00612 | 0.19 | 34.77 | 0.38 | 2.74 | 103.33 | 274.00 | 1.03 | 0.00 | 0.000 | 0.000 | 0.006 |
| TOT | | | | | | 34.77 | | | | 11944.95 | 33428.00 | | | | | |
| AVG | | | | | 0.0041 | | | 0.36 | 2.74 | | | 0.98 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 40.400 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 40.300 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 40.200 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 40.100 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 40.000 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 39.900 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 39.800 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 39.700 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 39.600 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 39.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 39.400 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 39.300 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 39.200 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 39.100 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 39.000 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 38.900 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 38.800 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 38.700 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 38.600 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 38.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 38.400 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 38.300 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 38.200 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 38.100 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 38.000 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 37.900 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 37.800 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 37.700 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 37.600 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 37.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 37.400 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 37.300 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 37.200 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 37.100 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 37.000 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 36.900 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 36.800 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 36.700 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 36.600 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 36.500 | 7.56 | 2.50 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 36.400 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 36.300 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 36.200 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 36.100 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 36.000 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 35.900 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 35.800 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 35.700 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 35.600 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 35.500 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 35.400 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 35.300 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 35.200 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 35.100 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 35.000 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 34.900 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 34.800 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 59 | 34.700 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 34.600 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 34.500 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 34.400 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 34.300 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 34.200 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 34.100 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 34.000 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 33.900 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 33.800 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 33.700 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 33.600 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 33.500 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 33.400 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 33.300 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 33.200 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 33.100 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 33.000 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 32.900 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 32.800 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 32.700 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 32.600 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 32.500 | 7.56 | 2.44 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 32.400 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 32.300 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 32.200 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 32.100 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 32.000 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 31.900 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 31.800 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 31.700 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 31.600 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 31.500 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 31.400 | 7.56 | 2.41 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 31.300 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 31.200 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 31.100 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 31.000 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 30.900 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 30.800 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 30.700 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 30.600 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 30.500 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 30.400 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 30.300 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 30.200 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 30.100 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 30.000 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 29.900 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 29.800 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 29.700 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 29.600 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 29.500 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 29.400 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 29.300 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 29.200 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 29.100 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 29.000 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 28.900 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 28.800 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 28.700 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 28.600 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 28.500 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 28.400 | 7.56 | 2.40 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NCM | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 40.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.15 | 4.45 | 0.00 | 4.61 | 0.00 | 0.37 | 0.08 | 0.08 | 0.52 | 0.38 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 40.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.31 | 4.30 | 0.00 | 4.46 | 0.00 | 0.36 | 0.07 | 0.08 | 0.51 | 0.38 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 40.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.39 | 4.15 | 0.00 | 4.31 | 0.00 | 0.36 | 0.06 | 0.08 | 0.51 | 0.37 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 40.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.44 | 4.01 | 0.00 | 4.17 | 0.00 | 0.36 | 0.06 | 0.08 | 0.50 | 0.37 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 40.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.47 | 3.87 | 0.00 | 4.03 | 0.00 | 0.36 | 0.05 | 0.08 | 0.49 | 0.37 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 40.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.49 | 3.73 | 0.00 | 3.89 | 0.00 | 0.36 | 0.04 | 0.08 | 0.48 | 0.37 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 39.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.50 | 3.60 | 0.00 | 3.76 | 0.00 | 0.36 | 0.04 | 0.08 | 0.48 | 0.37 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 39.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.51 | 3.48 | 0.00 | 3.64 | 0.00 | 0.35 | 0.04 | 0.08 | 0.47 | 0.37 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 39.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.51 | 3.36 | 0.00 | 3.52 | 0.00 | 0.35 | 0.03 | 0.08 | 0.46 | 0.36 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 39.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.52 | 3.24 | 0.00 | 3.40 | 0.00 | 0.35 | 0.03 | 0.08 | 0.46 | 0.36 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 39.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.52 | 3.12 | 0.00 | 3.28 | 0.00 | 0.35 | 0.03 | 0.07 | 0.45 | 0.36 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 39.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.53 | 3.01 | 0.00 | 3.17 | 0.00 | 0.35 | 0.03 | 0.07 | 0.44 | 0.36 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 39.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.53 | 2.91 | 0.00 | 3.07 | 0.00 | 0.35 | 0.02 | 0.07 | 0.44 | 0.36 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 39.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.53 | 2.81 | 0.00 | 2.97 | 0.00 | 0.34 | 0.02 | 0.06 | 0.43 | 0.36 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 39.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.54 | 2.71 | 0.00 | 2.87 | 0.00 | 0.34 | 0.02 | 0.06 | 0.42 | 0.36 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 39.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.54 | 2.61 | 0.00 | 2.77 | 0.00 | 0.34 | 0.02 | 0.06 | 0.42 | 0.35 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 38.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.54 | 2.52 | 0.00 | 2.68 | 0.00 | 0.34 | 0.02 | 0.06 | 0.41 | 0.35 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 38.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.55 | 2.44 | 0.00 | 2.60 | 0.00 | 0.34 | 0.02 | 0.05 | 0.41 | 0.35 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 38.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.55 | 2.35 | 0.00 | 2.51 | 0.00 | 0.34 | 0.02 | 0.05 | 0.40 | 0.35 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 38.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.55 | 2.27 | 0.00 | 2.43 | 0.00 | 0.33 | 0.02 | 0.05 | 0.40 | 0.35 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 38.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.50 | 2.16 | 0.00 | 2.32 | 0.00 | 0.33 | 0.01 | 0.07 | 0.41 | 0.34 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 38.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.53 | 2.08 | 0.00 | 2.24 | 0.00 | 0.33 | 0.01 | 0.07 | 0.41 | 0.34 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 38.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.54 | 2.00 | 0.00 | 2.16 | 0.00 | 0.33 | 0.01 | 0.06 | 0.40 | 0.34 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 38.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.55 | 1.93 | 0.00 | 2.09 | 0.00 | 0.32 | 0.01 | 0.06 | 0.40 | 0.34 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 38.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.56 | 1.86 | 0.00 | 2.02 | 0.00 | 0.32 | 0.01 | 0.05 | 0.39 | 0.34 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 38.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.56 | 1.80 | 0.00 | 1.96 | 0.00 | 0.32 | 0.01 | 0.05 | 0.38 | 0.33 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 37.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.56 | 1.73 | 0.00 | 1.89 | 0.00 | 0.32 | 0.01 | 0.05 | 0.38 | 0.33 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 37.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.56 | 1.67 | 0.00 | 1.83 | 0.00 | 0.32 | 0.01 | 0.04 | 0.37 | 0.33 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 37.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.57 | 1.61 | 0.00 | 1.77 | 0.00 | 0.32 | 0.01 | 0.04 | 0.37 | 0.33 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 37.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.57 | 1.56 | 0.00 | 1.72 | 0.00 | 0.32 | 0.01 | 0.04 | 0.37 | 0.33 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 37.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.57 | 1.50 | 0.00 | 1.66 | 0.00 | 0.31 | 0.01 | 0.04 | 0.36 | 0.33 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 37.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.57 | 1.45 | 0.00 | 1.61 | 0.00 | 0.31 | 0.01 | 0.03 | 0.36 | 0.33 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 37.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.57 | 1.40 | 0.00 | 1.56 | 0.00 | 0.31 | 0.01 | 0.03 | 0.35 | 0.32 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 37.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.57 | 1.35 | 0.00 | 1.51 | 0.00 | 0.31 | 0.01 | 0.03 | 0.35 | 0.32 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 37.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.57 | 1.31 | 0.00 | 1.47 | 0.00 | 0.31 | 0.01 | 0.03 | 0.34 | 0.32 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 37.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.57 | 1.26 | 0.00 | 1.42 | 0.00 | 0.31 | 0.01 | 0.02 | 0.34 | 0.32 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 36.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.58 | 1.22 | 0.00 | 1.38 | 0.00 | 0.31 | 0.01 | 0.02 | 0.34 | 0.32 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 36.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.58 | 1.18 | 0.00 | 1.34 | 0.00 | 0.30 | 0.01 | 0.02 | 0.33 | 0.32 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 36.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.58 | 1.14 | 0.00 | 1.30 | 0.00 | 0.30 | 0.01 | 0.02 | 0.33 | 0.32 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 36.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.58 | 1.10 | 0.00 | 1.26 | 0.00 | 0.30 | 0.01 | 0.02 | 0.33 | 0.31 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 36.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.58 | 1.07 | 0.00 | 1.23 | 0.00 | 0.30 | 0.01 | 0.01 | 0.32 | 0.31 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 36.400 | 30.00 | 0.00 | 1.00 | 0.00 | 6.32 | 6.79 | 0.00 | 6.95 | 0.00 | 0.67 | 0.83 | 0.66 | 2.15 | 0.68 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 36.300 | 30.00 | 0.00 | 1.00 | 0.00 | 6.57 | 6.55 | 0.00 | 6.71 | 0.00 | 0.66 | 0.75 | 0.71 | 2.12 | 0.68 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 36.200 | 30.00 | 0.00 | 1.00 | 0.00 | 6.75 | 6.31 | 0.00 | 6.47 | 0.00 | 0.66 | 0.67 | 0.75 | 2.09 | 0.67 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 36.100 | 30.00 | 0.00 | 1.00 | 0.00 | 6.87 | 6.07 | 0.00 | 6.23 | 0.00 | 0.66 | 0.61 | 0.78 | 2.05 | 0.67 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 36.000 | 30.00 | 0.00 | 1.00 | 0.00 | 6.97 | 5.84 | 0.00 | 6.00 | 0.00 | 0.66 | 0.55 | 0.81 | 2.01 | 0.67 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 35.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.04 | 5.60 | 0.00 | 5.76 | 0.00 | 0.65 | 0.50 | 0.82 | 1.98 | 0.67 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 35.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.10 | 5.38 | 0.00 | 5.54 | 0.00 | 0.65 | 0.45 | 0.84 | 1.94 | 0.67 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 35.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.15 | 5.15 | 0.00 | 5.31 | 0.00 | 0.65 | 0.41 | 0.84 | 1.90 | 0.66 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 35.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.19 | 4.93 | 0.00 | 5.09 | 0.00 | 0.65 | 0.37 | 0.84 | 1.86 | 0.66 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 35.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.23 | 4.72 | 0.00 | 4.88 | 0.00 | 0.65 | 0.33 | 0.84 | 1.82 | 0.66 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 35.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.26 | 4.51 | 0.00 | 4.67 | 0.00 | 0.64 | 0.30 | 0.84 | 1.78 | 0.66 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 35.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.29 | 4.30 | 0.00 | 4.46 | 0.00 | 0.64 | 0.27 | 0.83 | 1.74 | 0.65 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 35.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.31 | 4.11 | 0.00 | 4.27 | 0.00 | 0.64 | 0.25 | 0.82 | 1.71 | 0.65 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 35.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.34 | 3.91 | 0.00 | 4.07 | 0.00 | 0.64 | 0.23 | 0.81 | 1.67 | 0.65 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 35.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.36 | 3.73 | 0.00 | 3.89 | 0.00 | 0.64 | 0.20 | 0.79 | 1.63 | 0.65 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 34.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.38 | 3.55 | 0.00 | 3.71 | 0.00 | 0.63 | 0.19 | 0.78 | 1.60 | 0.65 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 34.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.40 | 3.37 | 0.00 | 3.54 | 0.00 | 0.63 | 0.17 | 0.76 | 1.56 | 0.64 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 34.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.41 | 3.21 | 0.00 | 3.37 | 0.00 | 0.63 | 0.15 | 0.74 | 1.53 | 0.64 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 34.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.43 | 3.05 | 0.00 | 3.21 | 0.00 | 0.63 | 0.14 | 0.73 | 1.49 | 0.64 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 34.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.44 | 2.89 | 0.00 | 3.05 | 0.00 | 0.62 | 0.13 | 0.71 | 1.46 | 0.64 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 34.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.45 | 2.74 | 0.00 | 2.90 | 0.00 | 0.62 | 0.12 | 0.69 | 1.43 | 0.64 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 34.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.46 | 2.60 | 0.00 | 2.76 | 0.00 | 0.62 | 0.11 | 0.67 | 1.40 | 0.63 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 34.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.47 | 2.46 | 0.00 | 2.62 | 0.00 | 0.62 | 0.10 | 0.65 | 1.37 | 0.63 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 34.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.48 | 2.32 | 0.00 | 2.48 | 0.00 | 0.62 | 0.09 | 0.63 | 1.34 | 0.63 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 34.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.49 | 2.20 | 0.00 | 2.36 | 0.00 | 0.61 | 0.08 | 0.61 | 1.31 | 0.63 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 33.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.50 | 2.07 | 0.00 | 2.23 | 0.00 | 0.61 | 0.08 | 0.59 | 1.28 | 0.62 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 33.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.51 | 1.96 | 0.00 | 2.12 | 0.00 | 0.61 | 0.07 | 0.57 | 1.26 | 0.62 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 33.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.51 | 1.85 | 0.00 | 2.01 | 0.00 | 0.61 | 0.07 | 0.56 | 1.23 | 0.62 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 33.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.52 | 1.74 | 0.00 | 1.90 | 0.00 | 0.61 | 0.06 | 0.54 | 1.20 | 0.62 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 33.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.53 | 1.63 | 0.00 | 1.79 | 0.00 | 0.60 | 0.06 | 0.52 | 1.18 | 0.62 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 33.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.53 | 1.54 | 0.00 | 1.70 | 0.00 | 0.60 | 0.05 | 0.50 | 1.16 | 0.61 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 33.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.54 | 1.44 | 0.00 | 1.60 | 0.00 | 0.60 | 0.05 | 0.48 | 1.13 | 0.61 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 33.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.54 | 1.35 | 0.00 | 1.51 | 0.00 | 0.60 | 0.05 | 0.47 | 1.11 | 0.61 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 33.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.55 | 1.27 | 0.00 | 1.43 | 0.00 | 0.60 | 0.04 | 0.45 | 1.09 | 0.61 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 33.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.55 | 1.18 | 0.00 | 1.34 | 0.00 | 0.59 | 0.04 | 0.43 | 1.07 | 0.61 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 32.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.55 | 1.11 | 0.00 | 1.27 | 0.00 | 0.59 | 0.04 | 0.42 | 1.05 | 0.60 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 32.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.56 | 1.03 | 0.00 | 1.19 | 0.00 | 0.59 | 0.04 | 0.40 | 1.03 | 0.60 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 32.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.56 | 0.96 | 0.00 | 1.12 | 0.00 | 0.59 | 0.03 | 0.39 | 1.01 | 0.60 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 32.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.56 | 0.89 | 0.00 | 1.05 | 0.00 | 0.59 | 0.03 | 0.37 | 0.99 | 0.60 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 32.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.56 | 0.83 | 0.00 | 0.99 | 0.00 | 0.58 | 0.03 | 0.36 | 0.98 | 0.60 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 32.400 | 30.00 | 0.00 | 1.00 | 0.00 | 6.55 | 5.32 | 0.00 | 5.48 | 0.00 | 0.80 | 0.67 | 0.76 | 2.24 | 0.81 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | 32.300 | 30.00 | 0.00 | 1.00 | 0.00 | 6.73 | 5.14 | 0.00 | 5.30 | 0.00 | 0.80 | 0.62 | 0.79 | 2.21 | 0.81 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | 32.200 | 30.00 | 0.00 | 1.00 | 0.00 | 6.86 | 4.97 | 0.00 | 5.13 | 0.00 | 0.80 | 0.57 | 0.81 | 2.18 | 0.81 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 32.100 | 30.00 | 0.00 | 1.00 | 0.00 | 6.96 | 4.80 | 0.00 | 4.96 | 0.00 | 0.79 | 0.52 | 0.83 | 2.15 | 0.81 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | 32.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.03 | 4.63 | 0.00 | 4.79 | 0.00 | 0.79 | 0.48 | 0.84 | 2.12 | 0.81 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | 31.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.09 | 4.47 | 0.00 | 4.63 | 0.00 | 0.79 | 0.45 | 0.85 | 2.08 | 0.80 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | 31.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.14 | 4.30 | 0.00 | 4.46 | 0.00 | 0.79 | 0.41 | 0.85 | 2.05 | 0.80 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | 31.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.18 | 4.14 | 0.00 | 4.30 | 0.00 | 0.79 | 0.38 | 0.86 | 2.02 | 0.80 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 31.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.21 | 3.99 | 0.00 | 4.15 | 0.00 | 0.78 | 0.35 | 0.86 | 1.99 | 0.80 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | 31.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.24 | 3.83 | 0.00 | 3.99 | 0.00 | 0.78 | 0.33 | 0.85 | 1.96 | 0.79 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 31.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.27 | 3.68 | 0.00 | 3.84 | 0.00 | 0.78 | 0.30 | 0.85 | 1.93 | 0.79 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 31.300 | 30.00 | 0.00 | 1.00 | 0.00 | 6.58 | 6.30 | 0.00 | 6.46 | 0.00 | 0.90 | 0.70 | 1.06 | 2.65 | 0.91 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 31.200 | 30.00 | 0.00 | 1.00 | 0.00 | 6.72 | 6.11 | 0.00 | 6.27 | 0.00 | 0.89 | 0.65 | 1.07 | 2.62 | 0.91 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 31.100 | 30.00 | 0.00 | 1.00 | 0.00 | 6.82 | 5.93 | 0.00 | 6.09 | 0.00 | 0.89 | 0.60 | 1.09 | 2.58 | 0.90 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 31.000 | 30.00 | 0.00 | 1.00 | 0.00 | 6.90 | 5.74 | 0.00 | 5.90 | 0.00 | 0.89 | 0.56 | 1.10 | 2.55 | 0.90 | 2.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 30.900 | 30.00 | 0.00 | 1.00 | 0.00 | 6.97 | 5.56 | 0.00 | 5.72 | 0.00 | 0.89 | 0.53 | 1.10 | 2.52 | 0.90 | 2.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 30.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.03 | 5.39 | 0.00 | 5.55 | 0.00 | 0.89 | 0.49 | 1.10 | 2.48 | 0.90 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 30.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.07 | 5.21 | 0.00 | 5.37 | 0.00 | 0.88 | 0.46 | 1.10 | 2.45 | 0.90 | 2.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 30.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.11 | 5.04 | 0.00 | 5.20 | 0.00 | 0.88 | 0.43 | 1.10 | 2.41 | 0.89 | 2.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | 30.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.15 | 4.87 | 0.00 | 5.03 | 0.00 | 0.88 | 0.40 | 1.10 | 2.38 | 0.89 | 2.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | 30.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.18 | 4.71 | 0.00 | 4.87 | 0.00 | 0.88 | 0.37 | 1.09 | 2.34 | 0.89 | 2.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | 30.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.20 | 4.54 | 0.00 | 4.70 | 0.00 | 0.88 | 0.35 | 1.09 | 2.31 | 0.89 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | 30.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.23 | 4.38 | 0.00 | 4.54 | 0.00 | 0.87 | 0.33 | 1.08 | 2.28 | 0.89 | 2.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | 30.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.25 | 4.23 | 0.00 | 4.39 | 0.00 | 0.87 | 0.31 | 1.07 | 2.24 | 0.88 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 106 | 30.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.27 | 4.08 | 0.00 | 4.24 | 0.00 | 0.87 | 0.29 | 1.06 | 2.21 | 0.88 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 107 | 29.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.29 | 3.93 | 0.00 | 4.09 | 0.00 | 0.87 | 0.27 | 1.04 | 2.18 | 0.88 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 108 | 29.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.31 | 3.78 | 0.00 | 3.94 | 0.00 | 0.87 | 0.25 | 1.03 | 2.15 | 0.88 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 109 | 29.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.33 | 3.64 | 0.00 | 3.80 | 0.00 | 0.86 | 0.23 | 1.02 | 2.12 | 0.88 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 110 | 29.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.34 | 3.50 | 0.00 | 3.66 | 0.00 | 0.86 | 0.22 | 1.00 | 2.08 | 0.87 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 111 | 29.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.36 | 3.36 | 0.00 | 3.52 | 0.00 | 0.86 | 0.21 | 0.99 | 2.05 | 0.87 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 112 | 29.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.37 | 3.23 | 0.00 | 3.39 | 0.00 | 0.86 | 0.19 | 0.97 | 2.02 | 0.87 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 113 | 29.300 | 30.00 | 0.00 | 1.00 | 0.00 | 7.39 | 3.10 | 0.00 | 3.26 | 0.00 | 0.86 | 0.18 | 0.96 | 1.99 | 0.87 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 114 | 29.200 | 30.00 | 0.00 | 1.00 | 0.00 | 7.40 | 2.97 | 0.00 | 3.13 | 0.00 | 0.85 | 0.17 | 0.94 | 1.96 | 0.87 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 115 | 29.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.41 | 2.85 | 0.00 | 3.01 | 0.00 | 0.85 | 0.16 | 0.92 | 1.94 | 0.86 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 116 | 29.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.42 | 2.73 | 0.00 | 2.89 | 0.00 | 0.85 | 0.15 | 0.91 | 1.91 | 0.86 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 117 | 28.900 | 30.00 | 0.00 | 1.00 | 0.00 | 7.43 | 2.61 | 0.00 | 2.77 | 0.00 | 0.85 | 0.14 | 0.89 | 1.88 | 0.86 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 118 | 28.800 | 30.00 | 0.00 | 1.00 | 0.00 | 7.44 | 2.50 | 0.00 | 2.66 | 0.00 | 0.85 | 0.13 | 0.87 | 1.85 | 0.86 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 119 | 28.700 | 30.00 | 0.00 | 1.00 | 0.00 | 7.45 | 2.39 | 0.00 | 2.55 | 0.00 | 0.84 | 0.13 | 0.86 | 1.83 | 0.86 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 120 | 28.600 | 30.00 | 0.00 | 1.00 | 0.00 | 7.46 | 2.28 | 0.00 | 2.44 | 0.00 | 0.84 | 0.12 | 0.84 | 1.80 | 0.85 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 121 | 28.500 | 30.00 | 0.00 | 1.00 | 0.00 | 7.47 | 2.18 | 0.00 | 2.34 | 0.00 | 0.84 | 0.11 | 0.82 | 1.77 | 0.85 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 122 | 28.400 | 30.00 | 0.00 | 1.00 | 0.00 | 7.47 | 2.08 | 0.00 | 2.24 | 0.00 | 0.84 | 0.11 | 0.80 | 1.75 | 0.85 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA
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| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 2 | 40.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 3 | 40.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 4 | 40.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 5 | 40.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 6 | 40.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 7 | 39.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 8 | 39.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 9 | 39.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 10 | 39.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 11 | 39.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 12 | 39.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 13 | 39.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 14 | 39.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 15 | 39.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 16 | 39.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 17 | 38.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 18 | 38.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 19 | 38.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 | 38.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 21 | 38.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 22 | 38.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 23 | 38.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 24 | 38.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 25 | 38.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 26 | 38.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 27 | 37.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 28 | 37.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 29 | 37.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 30 | 37.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 31 | 37.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 32 | 37.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 33 | 37.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 34 | 37.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 35 | 37.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 36 | 37.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 37 | 36.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 38 | 36.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 39 | 36.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 40 | 36.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 36.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 42 | 36.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 43 | 36.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 44 | 36.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 45 | 36.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 46 | 36.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 47 | 35.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 48 | 35.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 49 | 35.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 50 | 35.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 51 | 35.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 52 | 35.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 53 | 35.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 54 | 35.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 55 | 35.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 56 | 35.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 57 | 34.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 58 | 34.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 59 | 34.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 60 | 34.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 61 | 34.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 62 | 34.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 63 | 34.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 64 | 34.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 65 | 34.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 66 | 34.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 67 | 33.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 68 | 33.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 69 | 33.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 70 | 33.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 71 | 33.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 72 | 33.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 73 | 33.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 74 | 33.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 75 | 33.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 76 | 33.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 77 | 32.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 78 | 32.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 79 | 32.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 80 | 32.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 81 | 32.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 82 | 32.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 83 | 32.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 84 | 32.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 85 | 32.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 86 | 32.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 87 | 31.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 88 | 31.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 89 | 31.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 90 | 31.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 91 | 31.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 92 | 31.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 93 | 31.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 94 | 31.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 95 | 31.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 96 | 31.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 97 | 30.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 98 | 30.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 99 | 30.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 100 | 30.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 101 | 30.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 102 | 30.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 103 | 30.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 104 | 30.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 105 | 30.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 106 | 30.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 107 | 29.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 108 | 29.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 109 | 29.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 110 | 29.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 111 | 29.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 112 | 29.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 113 | 29.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 114 | 29.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | 29.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 116 | 29.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 117 | 28.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 118 | 28.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 119 | 28.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 120 | 28.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 121 | 28.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 122 | 28.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 3 Pontchatoula (PTS to YWRC) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | UPR RCH | 0.00632 | 30.00 | 0.00 | 1.00 | 0.00 | 7.47 | 2.08 | 0.00 | 2.24 | 0.00 | 0.84 | 0.11 | 0.80 | 0.00 | 1.50 | 0.00 | 0.00 |
| 203 | TRIB | 0.01055 | 30.00 | 0.00 | 1.00 | 0.00 | 7.13 | 5.69 | 0.00 | 5.85 | 0.00 | 0.91 | 0.37 | 0.74 | 0.00 | 1.50 | 0.00 | 0.00 |
| EACH | INCR | 0.00038 | 29.00 | 0.00 | 0.00 | 0.00 | 6.85 | 2.38 | 0.00 | | | 0.55 | 0.03 | 0.04 | 0.00 | 0.00 | 0.00 | |
| 213 | WSTLD | 0.00032 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 22.29 | 0.00 | 22.29 | 0.00 | 1.61 | 3.23 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | WSTLD | 0.00028 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 26.52 | 0.00 | 26.52 | 0.00 | 1.91 | 3.84 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | WSTLD | 0.00003 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 30.84 | 0.00 | 30.84 | 0.00 | 2.23 | 4.47 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | WSTLD | 0.00244 | 29.80 | 0.00 | 0.00 | 0.00 | 4.30 | 16.00 | 0.00 | 16.00 | 0.00 | 1.16 | 2.32 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | WSTLD | -0.05380 | 32.60 | 0.00 | 1.00 | 0.00 | 7.66 | 3.58 | 0.00 | 8.07 | 0.00 | 0.69 | 0.22 | 0.33 | 0.00 | 42.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.40 | 28.30 | 0.01725 | 65.0 | 0.03418 | 0.03 | 34.80 | 0.15 | 3.35 | 50.47 | 335.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.034 |
| 204 | 28.30 | 28.20 | 0.01763 | 63.6 | 0.03484 | 0.03 | 34.83 | 0.15 | 3.35 | 50.61 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.035 |
| 205 | 28.20 | 28.10 | 0.01801 | 62.2 | 0.03550 | 0.03 | 34.87 | 0.15 | 3.35 | 50.75 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.035 |
| 206 | 28.10 | 28.00 | 0.01839 | 60.9 | 0.03615 | 0.03 | 34.90 | 0.15 | 3.35 | 50.88 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.036 |
| 207 | 28.00 | 27.90 | 0.01878 | 59.7 | 0.03680 | 0.03 | 34.93 | 0.15 | 3.35 | 51.02 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.037 |
| 208 | 27.90 | 27.80 | 0.01916 | 58.5 | 0.03745 | 0.03 | 34.96 | 0.15 | 3.35 | 51.15 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.037 |
| 209 | 27.80 | 27.70 | 0.01954 | 57.4 | 0.03810 | 0.03 | 34.99 | 0.15 | 3.35 | 51.28 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.038 |
| 210 | 27.70 | 27.60 | 0.01992 | 56.3 | 0.03875 | 0.03 | 35.02 | 0.15 | 3.35 | 51.40 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.039 |
| 211 | 27.60 | 27.50 | 0.02030 | 55.2 | 0.03940 | 0.03 | 35.05 | 0.15 | 3.35 | 51.53 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.039 |
| 212 | 27.50 | 27.40 | 0.02068 | 54.2 | 0.04004 | 0.03 | 35.08 | 0.15 | 3.35 | 51.65 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.040 |
| 213 | 27.40 | 27.30 | 0.02138 | 53.9 | 0.04122 | 0.03 | 35.11 | 0.15 | 3.35 | 51.87 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.041 |
| 214 | 27.30 | 27.20 | 0.02176 | 53.0 | 0.04186 | 0.03 | 35.14 | 0.16 | 3.35 | 51.99 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.042 |
| 215 | 27.20 | 27.10 | 0.02214 | 52.1 | 0.04250 | 0.03 | 35.16 | 0.16 | 3.35 | 52.10 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.043 |
| 216 | 27.10 | 27.00 | 0.02253 | 51.2 | 0.04314 | 0.03 | 35.19 | 0.16 | 3.35 | 52.22 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.043 |
| 217 | 27.00 | 26.90 | 0.02291 | 50.3 | 0.04377 | 0.03 | 35.22 | 0.16 | 3.35 | 52.33 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.044 |
| 218 | 26.90 | 26.80 | 0.02329 | 49.5 | 0.04441 | 0.03 | 35.24 | 0.16 | 3.35 | 52.44 | 335.00 | 0.52 | 0.00 | 0.000 | 0.000 | 0.044 |
| 219 | 26.80 | 26.70 | 0.02367 | 48.7 | 0.04504 | 0.03 | 35.27 | 0.16 | 3.35 | 52.55 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.045 |
| 220 | 26.70 | 26.60 | 0.02433 | 48.5 | 0.04614 | 0.03 | 35.29 | 0.16 | 3.35 | 52.73 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.046 |
| 221 | 26.60 | 26.50 | 0.02471 | 47.8 | 0.04677 | 0.02 | 35.32 | 0.16 | 3.35 | 52.84 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.047 |
| 222 | 26.50 | 26.40 | 0.02509 | 47.1 | 0.04740 | 0.02 | 35.34 | 0.16 | 3.35 | 52.94 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.047 |
| 223 | 26.40 | 26.30 | 0.02547 | 46.4 | 0.04802 | 0.02 | 35.37 | 0.16 | 3.35 | 53.04 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.048 |
| 224 | 26.30 | 26.20 | 0.02585 | 45.7 | 0.04865 | 0.02 | 35.39 | 0.16 | 3.35 | 53.14 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.049 |
| 225 | 26.20 | 26.10 | 0.02623 | 45.0 | 0.04927 | 0.02 | 35.41 | 0.16 | 3.35 | 53.24 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.049 |
| 226 | 26.10 | 26.00 | 0.02662 | 44.4 | 0.04990 | 0.02 | 35.44 | 0.16 | 3.35 | 53.34 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.050 |
| 227 | 26.00 | 25.90 | 0.02700 | 43.7 | 0.05052 | 0.02 | 35.46 | 0.16 | 3.35 | 53.44 | 335.00 | 0.53 | 0.00 | 0.000 | 0.000 | 0.051 |
| 228 | 25.90 | 25.80 | 0.02741 | 43.2 | 0.05119 | 0.02 | 35.48 | 0.16 | 3.35 | 53.54 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.051 |
| 229 | 25.80 | 25.70 | 0.02779 | 42.6 | 0.05181 | 0.02 | 35.50 | 0.16 | 3.35 | 53.63 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.052 |
| 230 | 25.70 | 25.60 | 0.02817 | 42.0 | 0.05243 | 0.02 | 35.53 | 0.16 | 3.35 | 53.73 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.052 |
| 231 | 25.60 | 25.50 | 0.02855 | 41.5 | 0.05305 | 0.02 | 35.55 | 0.16 | 3.35 | 53.82 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.053 |
| 232 | 25.50 | 25.40 | 0.02893 | 40.9 | 0.05367 | 0.02 | 35.57 | 0.16 | 3.35 | 53.91 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.054 |
| 233 | 25.40 | 25.30 | 0.02931 | 40.4 | 0.05428 | 0.02 | 35.59 | 0.16 | 3.35 | 54.00 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.054 |
| 234 | 25.30 | 25.20 | 0.02969 | 39.9 | 0.05490 | 0.02 | 35.61 | 0.16 | 3.35 | 54.09 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.055 |
| 235 | 25.20 | 25.10 | 0.03008 | 39.4 | 0.05551 | 0.02 | 35.63 | 0.16 | 3.35 | 54.18 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.056 |
| 236 | 25.10 | 25.00 | 0.03290 | 43.4 | 0.06003 | 0.02 | 35.65 | 0.16 | 3.35 | 54.80 | 335.00 | 0.55 | 0.00 | 0.000 | 0.000 | 0.060 |
| 237 | 25.00 | 24.90 | 0.03328 | 42.9 | 0.06063 | 0.02 | 35.67 | 0.16 | 3.35 | 54.88 | 335.00 | 0.55 | 0.00 | 0.000 | 0.000 | 0.061 |
| 238 | 24.90 | 24.80 | 0.03366 | 42.4 | 0.06124 | 0.02 | 35.69 | 0.16 | 3.35 | 54.96 | 335.00 | 0.55 | 0.00 | 0.000 | 0.000 | 0.061 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 239 | 24.80 | 24.70 | -0.01976 | 42.0 | -0.03848 | -0.03 | 35.66 | 0.15 | 3.35 | 51.35 | 335.00 | 0.51 | 0.00 | 0.000 | 0.000 | 0.038 |
| TOT | | | | | | 0.89 | | | | 1947.83 | 12395.00 | | | | | |
| AVG | | | | | 0.0479 | | | 0.16 | 3.35 | | | 0.53 | | | | |

****************************************************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS
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| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 7.55 | 9.21 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 204 | 28.200 | 7.54 | 9.27 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 28.100 | 7.53 | 9.33 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 206 | 28.000 | 7.52 | 9.39 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 207 | 27.900 | 7.51 | 9.46 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 208 | 27.800 | 7.50 | 9.52 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 209 | 27.700 | 7.49 | 9.58 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 210 | 27.600 | 7.49 | 9.64 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 211 | 27.500 | 7.48 | 9.70 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 212 | 27.400 | 7.47 | 9.76 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 213 | 27.300 | 7.46 | 9.87 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 214 | 27.200 | 7.45 | 9.93 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 215 | 27.100 | 7.44 | 9.99 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 216 | 27.000 | 7.43 | 10.05 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 217 | 26.900 | 7.42 | 10.11 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 218 | 26.800 | 7.41 | 10.17 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 219 | 26.700 | 7.41 | 10.24 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | 26.600 | 7.40 | 10.33 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 221 | 26.500 | 7.39 | 10.40 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 222 | 26.400 | 7.38 | 10.46 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 223 | 26.300 | 7.37 | 10.52 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 224 | 26.200 | 7.36 | 10.58 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 225 | 26.100 | 7.35 | 10.64 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 226 | 26.000 | 7.34 | 10.71 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 227 | 25.900 | 7.33 | 10.77 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | 25.800 | 7.33 | 10.84 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 229 | 25.700 | 7.32 | 10.90 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 230 | 25.600 | 7.31 | 10.96 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 231 | 25.500 | 7.30 | 11.02 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 232 | 25.400 | 7.29 | 11.09 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 233 | 25.300 | 7.28 | 11.15 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 234 | 25.200 | 7.27 | 11.21 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 235 | 25.100 | 7.26 | 11.28 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | 25.000 | 7.26 | 11.65 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 237 | 24.900 | 7.25 | 11.72 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 238 | 24.800 | 7.24 | 11.78 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | 24.700 | 7.23 | 9.96 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 8.41 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

****************************************************************************** WATER QUALITY CONSTITUENT VALUES
******************************************************************************

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 30.07 | 0.00 | 1.00 | 0.00 | 7.31 | 4.26 | 0.00 | 4.54 | 0.00 | 0.87 | 0.26 | 0.75 | 1.88 | 0.90 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. | 0.00 |
| 204 | 28.200 | 30.14 | 0.00 | 1.00 | 0.00 | 7.35 | 4.19 | 0.00 | 4.59 | 0.00 | 0.87 | 0.25 | 0.73 | 1.85 | 0.90 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. | 0.00 |
| 205 | 28.100 | 30.21 | 0.00 | 1.00 | 0.00 | 7.38 | 4.13 | 0.00 | 4.64 | 0.00 | 0.86 | 0.25 | 0.71 | 1.82 | 0.90 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 206 | 28.000 | 30.28 | 0.00 | 1.00 | 0.00 | 7.40 | 4.06 | 0.00 | 4.69 | 0.00 | 0.85 | 0.24 | 0.70 | 1.79 | 0.90 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |
| 207 | 27.900 | 30.35 | 0.00 | 1.00 | 0.00 | 7.41 | 4.00 | 0.00 | 4.75 | 0.00 | 0.85 | 0.23 | 0.68 | 1.76 | 0.91 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.0 | 0.0 | 0. | 0.00 |
| 208 | 27.800 | 30.42 | 0.00 | 1.00 | 0.00 | 7.43 | 3.94 | 0.00 | 4.81 | 0.00 | 0.84 | 0.23 | 0.67 | 1.74 | 0.91 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.1 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 209 | 27.700 | 30.49 | 0.00 | 1.00 | 0.00 | 7.44 | 3.89 | 0.00 | 4.87 | 0.00 | 0.83 | 0.22 | 0.66 | 1.71 | 0.91 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | 27.600 | 30.56 | 0.00 | 1.00 | 0.00 | 7.45 | 3.84 | 0.00 | 4.93 | 0.00 | 0.83 | 0.21 | 0.64 | 1.69 | 0.92 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 211 | 27.500 | 30.63 | 0.00 | 1.00 | 0.00 | 7.45 | 3.79 | 0.00 | 5.00 | 0.00 | 0.82 | 0.21 | 0.63 | 1.66 | 0.92 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 212 | 27.400 | 30.70 | 0.00 | 1.00 | 0.00 | 7.46 | 3.74 | 0.00 | 5.07 | 0.00 | 0.82 | 0.20 | 0.62 | 1.64 | 0.92 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 213 | 27.300 | 30.77 | 0.00 | 1.00 | 0.00 | 7.40 | 3.97 | 0.00 | 5.41 | 0.00 | 0.82 | 0.24 | 0.63 | 1.69 | 0.94 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 214 | 27.200 | 30.84 | 0.00 | 1.00 | 0.00 | 7.41 | 3.92 | 0.00 | 5.48 | 0.00 | 0.82 | 0.24 | 0.61 | 1.67 | 0.94 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 215 | 27.100 | 30.91 | 0.00 | 1.00 | 0.00 | 7.43 | 3.87 | 0.00 | 5.55 | 0.00 | 0.81 | 0.23 | 0.60 | 1.65 | 0.95 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 216 | 27.000 | 30.98 | 0.00 | 1.00 | 0.00 | 7.44 | 3.82 | 0.00 | 5.62 | 0.00 | 0.81 | 0.22 | 0.59 | 1.63 | 0.95 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 217 | 26.900 | 31.05 | 0.00 | 1.00 | 0.00 | 7.44 | 3.78 | 0.00 | 5.69 | 0.00 | 0.81 | 0.22 | 0.58 | 1.60 | 0.96 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 218 | 26.800 | 31.12 | 0.00 | 1.00 | 0.00 | 7.45 | 3.74 | 0.00 | 5.77 | 0.00 | 0.80 | 0.21 | 0.57 | 1.58 | 0.96 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 219 | 26.700 | 31.19 | 0.00 | 1.00 | 0.00 | 7.46 | 3.69 | 0.00 | 5.84 | 0.00 | 0.80 | 0.21 | 0.56 | 1.56 | 0.97 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 26.600 | 31.26 | 0.00 | 1.00 | 0.00 | 7.41 | 3.92 | 0.00 | 6.18 | 0.00 | 0.81 | 0.24 | 0.56 | 1.61 | 0.99 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 | 26.500 | 31.34 | 0.00 | 1.00 | 0.00 | 7.42 | 3.87 | 0.00 | 6.25 | 0.00 | 0.80 | 0.24 | 0.55 | 1.59 | 0.99 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 222 | 26.400 | 31.41 | 0.00 | 1.00 | 0.00 | 7.43 | 3.83 | 0.00 | 6.33 | 0.00 | 0.80 | 0.23 | 0.54 | 1.58 | 1.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 223 | 26.300 | 31.48 | 0.00 | 1.00 | 0.00 | 7.44 | 3.79 | 0.00 | 6.41 | 0.00 | 0.79 | 0.23 | 0.53 | 1.56 | 1.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 224 | 26.200 | 31.55 | 0.00 | 1.00 | 0.00 | 7.45 | 3.75 | 0.00 | 6.48 | 0.00 | 0.79 | 0.22 | 0.53 | 1.54 | 1.01 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 225 | 26.100 | 31.62 | 0.00 | 1.00 | 0.00 | 7.45 | 3.71 | 0.00 | 6.56 | 0.00 | 0.79 | 0.22 | 0.52 | 1.52 | 1.01 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 226 | 26.000 | 31.69 | 0.00 | 1.00 | 0.00 | 7.46 | 3.68 | 0.00 | 6.64 | 0.00 | 0.78 | 0.21 | 0.51 | 1.50 | 1.02 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 227 | 25.900 | 31.76 | 0.00 | 1.00 | 0.00 | 7.46 | 3.64 | 0.00 | 6.73 | 0.00 | 0.78 | 0.21 | 0.50 | 1.48 | 1.02 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 228 | 25.800 | 31.83 | 0.00 | 1.00 | 0.00 | 7.46 | 3.64 | 0.00 | 6.84 | 0.00 | 0.78 | 0.21 | 0.49 | 1.48 | 1.03 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 229 | 25.700 | 31.90 | 0.00 | 1.00 | 0.00 | 7.46 | 3.61 | 0.00 | 6.92 | 0.00 | 0.77 | 0.21 | 0.48 | 1.46 | 1.04 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 230 | 25.600 | 31.97 | 0.00 | 1.00 | 0.00 | 7.46 | 3.57 | 0.00 | 7.01 | 0.00 | 0.77 | 0.20 | 0.47 | 1.44 | 1.04 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 231 | 25.500 | 32.04 | 0.00 | 1.00 | 0.00 | 7.47 | 3.54 | 0.00 | 7.09 | 0.00 | 0.77 | 0.20 | 0.46 | 1.43 | 1.05 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 232 | 25.400 | 32.11 | 0.00 | 1.00 | 0.00 | 7.47 | 3.51 | 0.00 | 7.18 | 0.00 | 0.76 | 0.19 | 0.46 | 1.41 | 1.06 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 233 | 25.300 | 32.18 | 0.00 | 1.00 | 0.00 | 7.47 | 3.48 | 0.00 | 7.27 | 0.00 | 0.76 | 0.19 | 0.45 | 1.40 | 1.06 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 234 | 25.200 | 32.25 | 0.00 | 1.00 | 0.00 | 7.47 | 3.45 | 0.00 | 7.35 | 0.00 | 0.76 | 0.19 | 0.44 | 1.38 | 1.07 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 235 | 25.100 | 32.32 | 0.00 | 1.00 | 0.00 | 7.47 | 3.43 | 0.00 | 7.44 | 0.00 | 0.76 | 0.18 | 0.43 | 1.37 | 1.08 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 236 | 25.000 | 32.39 | 0.00 | 1.00 | 0.00 | 7.27 | 4.33 | 0.00 | 8.46 | 0.00 | 0.78 | 0.34 | 0.54 | 1.66 | 1.11 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 237 | 24.900 | 32.46 | 0.00 | 1.00 | 0.00 | 7.31 | 4.29 | 0.00 | 8.54 | 0.00 | 0.78 | 0.33 | 0.53 | 1.64 | 1.12 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 238 | 24.800 | 32.53 | 0.00 | 1.00 | 0.00 | 7.33 | 4.25 | 0.00 | 8.62 | 0.00 | 0.78 | 0.32 | 0.52 | 1.62 | 1.12 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 239 | 24.700 | 32.60 | 0.00 | 1.00 | 0.00 | 7.66 | 3.58 | 0.00 | 8.07 | 0.00 | 0.69 | 0.22 | 0.33 | 1.23 | 1.05 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 204 | 28.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 205 | 28.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 206 | 28.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 207 | 27.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 208 | 27.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 209 | 27.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 210 | 27.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 211 | 27.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 212 | 27.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 213 | 27.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 214 | 27.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 215 | 27.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 216 | 27.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 217 | 26.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 218 | 26.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 219 | 26.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 220 | 26.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 221 | 26.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 222 | 26.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 23.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 223 | 26.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 24.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 224 | 26.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 25.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 225 | 26.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 26.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 226 | 26.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 27.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 227 | 25.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 28.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 228 | 25.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 30.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 229 | 25.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 31.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 230 | 25.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 32.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 231 | 25.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 33.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 232 | 25.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 34.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 233 | 25.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 35.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 234 | 25.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 36.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 235 | 25.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 37.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 236 | 25.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 38.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 237 | 24.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 39.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 238 | 24.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 40.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 239 | 24.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 42.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 4 Pontchatoula (YWRC to EPON) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | UPR RCH | -0.01976 | 32.60 | 0.00 | 1.00 | 0.00 | 7.66 | 3.58 | 0.00 | 8.07 | 0.00 | 0.69 | 0.22 | 0.33 | 0.00 | 42.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00035 | 29.00 | 0.00 | 0.00 | 0.00 | 6.85 | 2.38 | 0.00 | | | 0.55 | 0.03 | 0.04 | 0.00 | 0.00 | 0.00 | |
| 277 | WSTLD | 0.00079 | 29.80 | 0.00 | 0.00 | 0.00 | 2.30 | 19.93 | 0.00 | 19.93 | 0.00 | 1.46 | 2.89 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.70 | 24.60 | -0.01941 | 42.7 | -0.01533 | -0.08 | 35.59 | 0.41 | 3.08 | 126.60 | 308.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.015 |
| 241 | 24.60 | 24.50 | -0.01906 | 43.5 | -0.01509 | -0.08 | 35.51 | 0.41 | 3.08 | 126.30 | 308.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.015 |
| 242 | 24.50 | 24.40 | -0.01870 | 44.3 | -0.01484 | -0.08 | 35.43 | 0.41 | 3.08 | 126.00 | 308.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.015 |
| 243 | 24.40 | 24.30 | -0.01835 | 45.2 | -0.01460 | -0.08 | 35.35 | 0.41 | 3.08 | 125.70 | 308.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.015 |
| 244 | 24.30 | 24.20 | -0.01800 | 46.1 | -0.01435 | -0.08 | 35.27 | 0.41 | 3.08 | 125.39 | 308.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.014 |
| 245 | 24.20 | 24.10 | -0.01765 | 47.0 | -0.01411 | -0.08 | 35.19 | 0.41 | 3.08 | 125.07 | 308.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.014 |
| 246 | 24.10 | 24.00 | -0.01729 | 47.9 | -0.01386 | -0.08 | 35.11 | 0.41 | 3.08 | 124.75 | 308.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.014 |
| 247 | 24.00 | 23.90 | -0.01694 | 48.9 | -0.01362 | -0.09 | 35.02 | 0.40 | 3.08 | 124.42 | 308.00 | 1.24 | 0.00 | 0.000 | 0.000 | 0.014 |
| 248 | 23.90 | 23.80 | -0.01659 | 50.0 | -0.01337 | -0.09 | 34.93 | 0.40 | 3.08 | 124.09 | 308.00 | 1.24 | 0.00 | 0.000 | 0.000 | 0.013 |
| 249 | 23.80 | 23.70 | -0.01624 | 51.1 | -0.01312 | -0.09 | 34.85 | 0.40 | 3.08 | 123.75 | 308.00 | 1.24 | 0.00 | 0.000 | 0.000 | 0.013 |
| 250 | 23.70 | 23.60 | -0.01588 | 52.2 | -0.01287 | -0.09 | 34.76 | 0.40 | 3.08 | 123.40 | 308.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.013 |
| 251 | 23.60 | 23.50 | -0.01553 | 53.4 | -0.01262 | -0.09 | 34.66 | 0.40 | 3.08 | 123.05 | 308.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.013 |
| 252 | 23.50 | 23.40 | -0.01518 | 54.6 | -0.01237 | -0.09 | 34.57 | 0.40 | 3.08 | 122.69 | 308.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.012 |
| 253 | 23.40 | 23.30 | -0.01483 | 55.9 | -0.01212 | -0.10 | 34.47 | 0.40 | 3.08 | 122.32 | 308.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.012 |
| 254 | 23.30 | 23.20 | -0.01447 | 57.3 | -0.01187 | -0.10 | 34.38 | 0.40 | 3.08 | 121.94 | 308.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.012 |
| 255 | 23.20 | 23.10 | -0.01412 | 58.7 | -0.01162 | -0.10 | 34.28 | 0.39 | 3.08 | 121.56 | 308.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.012 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 256 | 23.10 | 23.00 | -0.01377 | 60.2 | -0.01136 | -0.10 | 34.18 | 0.39 | 3.08 | 121.17 | 308.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.011 |
| 257 | 23.00 | 22.90 | -0.01342 | 61.8 | -0.01111 | -0.10 | 34.07 | 0.39 | 3.08 | 120.77 | 308.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.011 |
| 258 | 22.90 | 22.80 | -0.01306 | 63.5 | -0.01085 | -0.11 | 33.96 | 0.39 | 3.08 | 120.36 | 308.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.011 |
| 259 | 22.80 | 22.70 | -0.01271 | 65.2 | -0.01060 | -0.11 | 33.86 | 0.39 | 3.08 | 119.94 | 308.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.011 |
| 260 | 22.70 | 22.60 | -0.01236 | 67.1 | -0.01034 | -0.11 | 33.74 | 0.39 | 3.08 | 119.51 | 308.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.010 |
| 261 | 22.60 | 22.50 | -0.01201 | 69.0 | -0.01008 | -0.11 | 33.63 | 0.39 | 3.08 | 119.07 | 308.00 | 1.19 | 0.00 | 0.000 | 0.000 | 0.010 |
| 262 | 22.50 | 22.40 | -0.01165 | 71.1 | -0.00982 | -0.12 | 33.51 | 0.39 | 3.08 | 118.62 | 308.00 | 1.19 | 0.00 | 0.000 | 0.000 | 0.010 |
| 263 | 22.40 | 22.30 | -0.01130 | 73.4 | -0.00956 | -0.12 | 33.39 | 0.38 | 3.08 | 118.15 | 308.00 | 1.18 | 0.00 | 0.000 | 0.000 | 0.010 |
| 264 | 22.30 | 22.20 | -0.01095 | 75.7 | -0.00930 | -0.12 | 33.27 | 0.38 | 3.08 | 117.67 | 308.00 | 1.18 | 0.00 | 0.000 | 0.000 | 0.009 |
| 265 | 22.20 | 22.10 | -0.01060 | 78.2 | -0.00904 | -0.13 | 33.14 | 0.38 | 3.08 | 117.18 | 308.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.009 |
| 266 | 22.10 | 22.00 | -0.01024 | 80.9 | -0.00878 | -0.13 | 33.01 | 0.38 | 3.08 | 116.68 | 308.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.009 |
| 267 | 22.00 | 21.90 | -0.00989 | 83.8 | -0.00851 | -0.14 | 32.87 | 0.38 | 3.08 | 116.16 | 308.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.009 |
| 268 | 21.90 | 21.80 | -0.00954 | 86.9 | -0.00825 | -0.14 | 32.73 | 0.38 | 3.08 | 115.62 | 308.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.008 |
| 269 | 21.80 | 21.70 | -0.00919 | 90.2 | -0.00798 | -0.14 | 32.58 | 0.37 | 3.08 | 115.07 | 308.00 | 1.15 | 0.00 | 0.000 | 0.000 | 0.008 |
| 270 | 21.70 | 21.60 | -0.00883 | 93.9 | -0.00771 | -0.15 | 32.43 | 0.37 | 3.08 | 114.49 | 308.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.008 |
| 271 | 21.60 | 21.50 | -0.00848 | 97.8 | -0.00745 | -0.16 | 32.28 | 0.37 | 3.08 | 113.90 | 308.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.007 |
| 272 | 21.50 | 21.40 | -0.00813 | 102.0 | -0.00717 | -0.16 | 32.12 | 0.37 | 3.08 | 113.28 | 308.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.007 |
| 273 | 21.40 | 21.30 | -0.00778 | 106.6 | -0.00690 | -0.17 | 31.95 | 0.37 | 3.08 | 112.64 | 308.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.007 |
| 274 | 21.30 | 21.20 | -0.00742 | 111.7 | -0.00663 | -0.17 | 31.78 | 0.36 | 3.08 | 111.98 | 308.00 | 1.12 | 0.00 | 0.000 | 0.000 | 0.007 |
| 275 | 21.20 | 21.10 | -0.00707 | 117.2 | -0.00635 | -0.18 | 31.59 | 0.36 | 3.08 | 111.28 | 308.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.006 |
| 276 | 21.10 | 21.00 | -0.00672 | 123.4 | -0.00608 | -0.19 | 31.40 | 0.36 | 3.08 | 110.56 | 308.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.006 |
| 277 | 21.00 | 20.90 | -0.00558 | 134.5 | -0.00516 | -0.22 | 31.18 | 0.35 | 3.08 | 107.96 | 308.00 | 1.08 | 0.00 | 0.000 | 0.000 | 0.005 |
| 278 | 20.90 | 20.80 | -0.00522 | 143.6 | -0.00488 | -0.24 | 30.94 | 0.35 | 3.08 | 107.06 | 308.00 | 1.07 | 0.00 | 0.000 | 0.000 | 0.005 |
| 279 | 20.80 | 20.70 | -0.00487 | 154.0 | -0.00459 | -0.25 | 30.69 | 0.34 | 3.08 | 106.11 | 308.00 | 1.06 | 0.00 | 0.000 | 0.000 | 0.005 |
| TOT | | | | | | -4.97 | | | | 4752.24 | 12320.00 | | | | | |
| AVG | | | | | -0.0093 | | | 0.39 | 3.08 | | | 1.19 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 7.24 | 2.70 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 24.500 | 7.25 | 2.69 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 24.400 | 7.25 | 2.68 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 24.300 | 7.26 | 2.68 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 24.200 | 7.27 | 2.67 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 24.100 | 7.28 | 2.66 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 24.000 | 7.29 | 2.66 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 23.900 | 7.29 | 2.65 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 23.800 | 7.30 | 2.64 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 23.700 | 7.31 | 2.64 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 23.600 | 7.32 | 2.63 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 23.500 | 7.33 | 2.62 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 23.400 | 7.33 | 2.62 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 23.300 | 7.34 | 2.61 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 23.200 | 7.35 | 2.60 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 23.100 | 7.36 | 2.60 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 23.000 | 7.37 | 2.59 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 22.900 | 7.38 | 2.59 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 22.800 | 7.38 | 2.58 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 22.700 | 7.39 | 2.58 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 22.600 | 7.40 | 2.57 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 22.500 | 7.41 | 2.57 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 22.400 | 7.42 | 2.56 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 22.300 | 7.42 | 2.56 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 22.200 | 7.43 | 2.55 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 22.100 | 7.44 | 2.55 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 22.000 | 7.45 | 2.54 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 21.900 | 7.46 | 2.54 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 21.800 | 7.47 | 2.54 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 21.700 | 7.47 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 21.600 | 7.48 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 21.500 | 7.49 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 21.400 | 7.50 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 21.300 | 7.51 | 2.53 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 21.200 | 7.52 | 2.52 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 21.100 | 7.52 | 2.52 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 21.000 | 7.53 | 2.52 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 20.900 | 7.54 | 2.54 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 20.800 | 7.55 | 2.54 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 279 | 20.700 | 7.56 | 2.55 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | |
| AVG 20 DEG C RATE | | | 2.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 32.53 | 0.00 | 1.00 | 0.00 | 8.27 | 2.48 | 0.00 | 6.86 | 0.00 | 0.55 | 0.04 | 0.00 | 0.59 | 0.90 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.0 | 0.0 | 0. |
| 241 | 24.500 | 32.47 | 0.00 | 1.00 | 0.00 | 8.24 | 2.49 | 0.00 | 6.77 | 0.00 | 0.55 | 0.04 | 0.01 | 0.60 | 0.89 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.0 | 0.0 | 0. |
| 242 | 24.400 | 32.40 | 0.00 | 1.00 | 0.00 | 8.22 | 2.51 | 0.00 | 6.68 | 0.00 | 0.55 | 0.05 | 0.02 | 0.61 | 0.88 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.0 | 0.0 | 0. |
| 243 | 24.300 | 32.34 | 0.00 | 1.00 | 0.00 | 8.19 | 2.53 | 0.00 | 6.59 | 0.00 | 0.55 | 0.05 | 0.03 | 0.63 | 0.87 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.0 | 0.0 | 0. |
| 244 | 24.200 | 32.27 | 0.00 | 1.00 | 0.00 | 8.17 | 2.56 | 0.00 | 6.51 | 0.00 | 0.55 | 0.05 | 0.04 | 0.64 | 0.86 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.0 | 0.0 | 0. |
| 245 | 24.100 | 32.21 | 0.00 | 1.00 | 0.00 | 8.15 | 2.58 | 0.00 | 6.43 | 0.00 | 0.55 | 0.05 | 0.06 | 0.66 | 0.86 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.0 | 0.0 | 0. |
| 246 | 24.000 | 32.15 | 0.00 | 1.00 | 0.00 | 8.12 | 2.60 | 0.00 | 6.34 | 0.00 | 0.55 | 0.05 | 0.07 | 0.67 | 0.85 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.0 | 0.0 | 0. |
| 247 | 23.900 | 32.08 | 0.00 | 1.00 | 0.00 | 8.10 | 2.63 | 0.00 | 6.26 | 0.00 | 0.55 | 0.05 | 0.08 | 0.68 | 0.84 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.0 | 0.0 | 0. |
| 248 | 23.800 | 32.01 | 0.00 | 1.00 | 0.00 | 8.07 | 2.66 | 0.00 | 6.19 | 0.00 | 0.55 | 0.06 | 0.09 | 0.70 | 0.83 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.1 | 0.0 | 0. |
| 249 | 23.700 | 31.95 | 0.00 | 1.00 | 0.00 | 8.05 | 2.69 | 0.00 | 6.11 | 0.00 | 0.55 | 0.06 | 0.11 | 0.72 | 0.83 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.1 | 0.0 | 0. |
| 250 | 23.600 | 31.88 | 0.00 | 1.00 | 0.00 | 8.02 | 2.72 | 0.00 | 6.03 | 0.00 | 0.55 | 0.06 | 0.12 | 0.73 | 0.82 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.1 | 0.0 | 0. |
| 251 | 23.500 | 31.82 | 0.00 | 1.00 | 0.00 | 8.00 | 2.75 | 0.00 | 5.96 | 0.00 | 0.55 | 0.06 | 0.13 | 0.75 | 0.81 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.1 | 0.0 | 0. |
| 252 | 23.400 | 31.75 | 0.00 | 1.00 | 0.00 | 7.97 | 2.79 | 0.00 | 5.89 | 0.00 | 0.55 | 0.07 | 0.14 | 0.76 | 0.80 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.1 | 0.0 | 0. |
| 253 | 23.300 | 31.69 | 0.00 | 1.00 | 0.00 | 7.95 | 2.82 | 0.00 | 5.82 | 0.00 | 0.56 | 0.07 | 0.16 | 0.78 | 0.79 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.1 | 0.0 | 0. |
| 254 | 23.200 | 31.62 | 0.00 | 1.00 | 0.00 | 7.92 | 2.86 | 0.00 | 5.76 | 0.00 | 0.56 | 0.07 | 0.17 | 0.80 | 0.79 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.1 | 0.0 | 0. |
| 255 | 23.100 | 31.56 | 0.00 | 1.00 | 0.00 | 7.90 | 2.91 | 0.00 | 5.70 | 0.00 | 0.56 | 0.07 | 0.19 | 0.82 | 0.78 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.1 | 0.0 | 0. |
| 256 | 23.000 | 31.49 | 0.00 | 1.00 | 0.00 | 7.87 | 2.95 | 0.00 | 5.64 | 0.00 | 0.56 | 0.08 | 0.20 | 0.84 | 0.77 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.1 | 0.0 | 0. |
| 257 | 22.900 | 31.43 | 0.00 | 1.00 | 0.00 | 7.85 | 3.00 | 0.00 | 5.58 | 0.00 | 0.56 | 0.08 | 0.22 | 0.86 | 0.76 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.1 | 0.0 | 0. |
| 258 | 22.800 | 31.36 | 0.00 | 1.00 | 0.00 | 7.82 | 3.06 | 0.00 | 5.53 | 0.00 | 0.56 | 0.09 | 0.23 | 0.88 | 0.76 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.1 | 0.0 | 0. |
| 259 | 22.700 | 31.30 | 0.00 | 1.00 | 0.00 | 7.79 | 3.12 | 0.00 | 5.48 | 0.00 | 0.56 | 0.09 | 0.25 | 0.90 | 0.75 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.1 | 0.0 | 0. |
| 260 | 22.600 | 31.23 | 0.00 | 1.00 | 0.00 | 7.77 | 3.18 | 0.00 | 5.43 | 0.00 | 0.56 | 0.10 | 0.26 | 0.92 | 0.74 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.1 | 0.0 | 0. |
| 261 | 22.500 | 31.17 | 0.00 | 1.00 | 0.00 | 7.74 | 3.24 | 0.00 | 5.39 | 0.00 | 0.56 | 0.10 | 0.28 | 0.95 | 0.73 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. |
| 262 | 22.400 | 31.10 | 0.00 | 1.00 | 0.00 | 7.71 | 3.32 | 0.00 | 5.36 | 0.00 | 0.56 | 0.11 | 0.30 | 0.97 | 0.73 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0. |
| 263 | 22.300 | 31.04 | 0.00 | 1.00 | 0.00 | 7.68 | 3.39 | 0.00 | 5.33 | 0.00 | 0.57 | 0.12 | 0.31 | 1.00 | 0.72 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.2 | 0.0 | 0. |
| 264 | 22.200 | 30.97 | 0.00 | 1.00 | 0.00 | 7.65 | 3.48 | 0.00 | 5.31 | 0.00 | 0.57 | 0.13 | 0.33 | 1.02 | 0.71 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.2 | 0.0 | 0. |
| 265 | 22.100 | 30.91 | 0.00 | 1.00 | 0.00 | 7.62 | 3.57 | 0.00 | 5.29 | 0.00 | 0.57 | 0.13 | 0.35 | 1.05 | 0.71 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.2 | 0.0 | 0. |
| 266 | 22.000 | 30.84 | 0.00 | 1.00 | 0.00 | 7.58 | 3.67 | 0.00 | 5.29 | 0.00 | 0.57 | 0.14 | 0.37 | 1.08 | 0.70 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.2 | 0.0 | 0. |
| 267 | 21.900 | 30.78 | 0.00 | 1.00 | 0.00 | 7.55 | 3.77 | 0.00 | 5.29 | 0.00 | 0.57 | 0.16 | 0.39 | 1.11 | 0.69 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.2 | 0.0 | 0. |
| 268 | 21.800 | 30.72 | 0.00 | 1.00 | 0.00 | 7.51 | 3.89 | 0.00 | 5.30 | 0.00 | 0.57 | 0.17 | 0.41 | 1.15 | 0.68 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.2 | 0.0 | 0. |
| 269 | 21.700 | 30.65 | 0.00 | 1.00 | 0.00 | 7.47 | 4.02 | 0.00 | 5.32 | 0.00 | 0.57 | 0.18 | 0.43 | 1.18 | 0.68 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.2 | 0.0 | 0. |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 270 | 21.600 | 30.58 | 0.00 | 1.00 | 0.00 | 7.42 | 4.16 | 0.00 | 5.36 | 0.00 | 0.58 | 0.20 | 0.45 | 1.22 | 0.67 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 271 | 21.500 | 30.52 | 0.00 | 1.00 | 0.00 | 7.37 | 4.31 | 0.00 | 5.40 | 0.00 | 0.58 | 0.22 | 0.47 | 1.26 | 0.67 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 272 | 21.400 | 30.45 | 0.00 | 1.00 | 0.00 | 7.31 | 4.48 | 0.00 | 5.47 | 0.00 | 0.58 | 0.24 | 0.49 | 1.31 | 0.66 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 273 | 21.300 | 30.39 | 0.00 | 1.00 | 0.00 | 7.24 | 4.67 | 0.00 | 5.55 | 0.00 | 0.58 | 0.26 | 0.51 | 1.36 | 0.65 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 274 | 21.200 | 30.33 | 0.00 | 1.00 | 0.00 | 7.15 | 4.88 | 0.00 | 5.65 | 0.00 | 0.59 | 0.29 | 0.54 | 1.41 | 0.65 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 275 | 21.100 | 30.26 | 0.00 | 1.00 | 0.00 | 7.03 | 5.11 | 0.00 | 5.78 | 0.00 | 0.59 | 0.32 | 0.56 | 1.47 | 0.64 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 276 | 21.000 | 30.19 | 0.00 | 1.00 | 0.00 | 6.87 | 5.38 | 0.00 | 5.93 | 0.00 | 0.59 | 0.36 | 0.58 | 1.53 | 0.64 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 277 | 20.900 | 30.13 | 0.00 | 1.00 | 0.00 | 6.65 | 5.67 | 0.00 | 6.12 | 0.00 | 0.60 | 0.40 | 0.61 | 1.60 | 0.63 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 278 | 20.800 | 30.07 | 0.00 | 1.00 | 0.00 | 6.88 | 4.02 | 0.00 | 4.37 | 0.00 | 0.48 | 0.10 | 0.43 | 1.02 | 0.51 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 279 | 20.700 | 30.00 | 0.00 | 1.00 | 0.00 | 6.51 | 4.26 | 0.00 | 4.50 | 0.00 | 0.48 | 0.12 | 0.47 | 1.06 | 0.49 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 41.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 241 | 24.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 40.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 242 | 24.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 39.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 243 | 24.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 38.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 244 | 24.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 37.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 245 | 24.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 36.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 246 | 24.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 35.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 247 | 23.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 34.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 248 | 23.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 33.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 249 | 23.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 32.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 250 | 23.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 31.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 251 | 23.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 30.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 252 | 23.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 29.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 253 | 23.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 28.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 254 | 23.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 27.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 255 | 23.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 26.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 256 | 23.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 25.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 257 | 22.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 24.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 258 | 22.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 23.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 259 | 22.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 260 | 22.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 261 | 22.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 262 | 22.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 263 | 22.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 264 | 22.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 265 | 22.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 266 | 22.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 267 | 21.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 268 | 21.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 269 | 21.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 270 | 21.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 271 | 21.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 272 | 21.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 273 | 21.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 274 | 21.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 275 | 21.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 276 | 21.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 277 | 20.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 278 | 20.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 279 | 20.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

REACH NO. 6 Pontchatoula (EPON to Arnold) TMDL Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | UPR RCH | -0.00487 | 30.00 | 0.00 | 1.00 | 0.00 | 6.51 | 4.26 | 0.00 | 4.50 | 0.00 | 0.48 | 0.12 | 0.47 | 0.00 | 2.25 | 0.00 | 0.00 |
| 389 | TRIB | 0.01740 | 30.00 | 0.00 | 1.00 | 0.00 | 5.21 | 3.28 | 0.00 | 3.52 | 0.00 | 0.52 | 0.15 | 0.55 | 0.00 | 2.25 | 0.00 | 0.00 |
| EACH | INCR | 0.00510 | 29.00 | 0.00 | 0.00 | 0.00 | 6.85 | 8.94 | 0.00 | | | 0.30 | 0.09 | 0.37 | 0.00 | 0.00 | 0.00 | |
| 393 | WSTLD | 0.00039 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 20.56 | 0.00 | 20.56 | 0.00 | 1.49 | 2.98 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | WSTLD | 0.00183 | 29.80 | 0.00 | 0.00 | 0.00 | 3.00 | 15.94 | 0.00 | 15.94 | 0.00 | 1.16 | 2.31 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | WSTLD | 0.00183 | 29.80 | 0.00 | 0.00 | 0.00 | 3.00 | 15.94 | 0.00 | 15.94 | 0.00 | 1.16 | 2.31 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | WSTLD | 0.00017 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.70 | 20.60 | 0.01763 | -16.6 | 0.05428 | 0.02 | 30.71 | 0.10 | 3.20 | 32.48 | 320.00 | 0.32 | 0.00 | 0.000 | 0.000 | 0.054 |
| 390 | 20.60 | 20.50 | 0.02273 | -12.9 | 0.06775 | 0.02 | 30.73 | 0.10 | 3.20 | 33.55 | 320.00 | 0.34 | 0.00 | 0.000 | 0.000 | 0.068 |
| 391 | 20.50 | 20.40 | 0.02784 | -10.5 | 0.08084 | 0.01 | 30.74 | 0.11 | 3.20 | 34.43 | 320.00 | 0.34 | 0.00 | 0.000 | 0.000 | 0.081 |
| 392 | 20.40 | 20.30 | 0.03294 | -8.9 | 0.09362 | 0.01 | 30.75 | 0.11 | 3.20 | 35.18 | 320.00 | 0.35 | 0.00 | 0.000 | 0.000 | 0.094 |
| 393 | 20.30 | 20.20 | 0.03843 | -6.6 | 0.10711 | 0.01 | 30.77 | 0.11 | 3.20 | 35.88 | 320.00 | 0.36 | 0.00 | 0.000 | 0.000 | 0.107 |
| 394 | 20.20 | 20.10 | 0.04353 | -5.8 | 0.11941 | 0.01 | 30.77 | 0.11 | 3.20 | 36.46 | 320.00 | 0.36 | 0.00 | 0.000 | 0.000 | 0.119 |
| 395 | 20.10 | 20.00 | 0.04863 | -5.2 | 0.13153 | 0.01 | 30.78 | 0.12 | 3.20 | 36.98 | 320.00 | 0.37 | 0.00 | 0.000 | 0.000 | 0.132 |
| 396 | 20.00 | 19.90 | 0.05374 | -4.7 | 0.14349 | 0.01 | 30.79 | 0.12 | 3.20 | 37.45 | 320.00 | 0.37 | 0.00 | 0.000 | 0.000 | 0.143 |
| 397 | 19.90 | 19.80 | 0.05884 | -4.3 | 0.15530 | 0.01 | 30.80 | 0.12 | 3.20 | 37.89 | 320.00 | 0.38 | 0.00 | 0.000 | 0.000 | 0.155 |
| 398 | 19.80 | 19.70 | 0.06394 | -4.0 | 0.16699 | 0.01 | 30.81 | 0.12 | 3.20 | 38.29 | 320.00 | 0.38 | 0.00 | 0.000 | 0.000 | 0.167 |
| 399 | 19.70 | 19.60 | 0.06904 | -3.7 | 0.17855 | 0.01 | 30.81 | 0.12 | 3.20 | 38.67 | 320.00 | 0.39 | 0.00 | 0.000 | 0.000 | 0.179 |
| 400 | 19.60 | 19.50 | 0.07414 | -3.4 | 0.19001 | 0.01 | 30.82 | 0.12 | 3.20 | 39.02 | 320.00 | 0.39 | 0.00 | 0.000 | 0.000 | 0.190 |
| 401 | 19.50 | 19.40 | 0.07925 | -3.2 | 0.20136 | 0.01 | 30.82 | 0.12 | 3.20 | 39.35 | 320.00 | 0.39 | 0.00 | 0.000 | 0.000 | 0.201 |
| 402 | 19.40 | 19.30 | 0.08435 | -3.0 | 0.21263 | 0.01 | 30.83 | 0.12 | 3.20 | 39.67 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.213 |
| 403 | 19.30 | 19.20 | 0.08945 | -2.8 | 0.22380 | 0.01 | 30.83 | 0.12 | 3.20 | 39.97 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.224 |
| 404 | 19.20 | 19.10 | 0.09455 | -2.7 | 0.23490 | 0.00 | 30.84 | 0.13 | 3.20 | 40.25 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.235 |
| 405 | 19.10 | 19.00 | 0.09965 | -2.5 | 0.24592 | 0.00 | 30.84 | 0.13 | 3.20 | 40.52 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.246 |
| 406 | 19.00 | 18.90 | 0.10476 | -2.4 | 0.25687 | 0.00 | 30.85 | 0.13 | 3.20 | 40.78 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.257 |
| 407 | 18.90 | 18.80 | 0.10986 | -2.3 | 0.26774 | 0.00 | 30.85 | 0.13 | 3.20 | 41.03 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.268 |
| 408 | 18.80 | 18.70 | 0.11496 | -2.2 | 0.27856 | 0.00 | 30.86 | 0.13 | 3.20 | 41.27 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.279 |
| 409 | 18.70 | 18.60 | 0.12006 | -2.1 | 0.28931 | 0.00 | 30.86 | 0.13 | 3.20 | 41.50 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.289 |
| 410 | 18.60 | 18.50 | 0.12516 | -2.0 | 0.30001 | 0.00 | 30.87 | 0.13 | 3.20 | 41.72 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.300 |
| 411 | 18.50 | 18.40 | 0.13027 | -1.9 | 0.31065 | 0.00 | 30.87 | 0.13 | 3.20 | 41.93 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.311 |
| 412 | 18.40 | 18.30 | 0.13537 | -1.9 | 0.32124 | 0.00 | 30.87 | 0.13 | 3.20 | 42.14 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.321 |
| 413 | 18.30 | 18.20 | 0.14047 | -1.8 | 0.33177 | 0.00 | 30.88 | 0.13 | 3.20 | 42.34 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.332 |
| 414 | 18.20 | 18.10 | 0.14557 | -1.7 | 0.34226 | 0.00 | 30.88 | 0.13 | 3.20 | 42.53 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.342 |
| 415 | 18.10 | 18.00 | 0.15068 | -1.7 | 0.35270 | 0.00 | 30.88 | 0.13 | 3.20 | 42.72 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.353 |
| 416 | 18.00 | 17.90 | 0.15578 | -1.6 | 0.36310 | 0.00 | 30.89 | 0.13 | 3.20 | 42.90 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.363 |
| 417 | 17.90 | 17.80 | 0.16088 | -1.6 | 0.37345 | 0.00 | 30.89 | 0.13 | 3.20 | 43.08 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.373 |
| 418 | 17.80 | 17.70 | 0.16598 | -1.5 | 0.38376 | 0.00 | 30.89 | 0.14 | 3.20 | 43.25 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.384 |
| 419 | 17.70 | 17.60 | 0.17108 | -1.5 | 0.39403 | 0.00 | 30.90 | 0.14 | 3.20 | 43.42 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.394 |
| 420 | 17.60 | 17.50 | 0.17619 | -1.4 | 0.40426 | 0.00 | 30.90 | 0.14 | 3.20 | 43.58 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.404 |
| 421 | 17.50 | 17.40 | 0.18129 | -1.4 | 0.41445 | 0.00 | 30.90 | 0.14 | 3.20 | 43.74 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.414 |
| 422 | 17.40 | 17.30 | 0.18639 | -1.4 | 0.42461 | 0.00 | 30.90 | 0.14 | 3.20 | 43.90 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.425 |
| 423 | 17.30 | 17.20 | 0.19149 | -1.3 | 0.43473 | 0.00 | 30.91 | 0.14 | 3.20 | 44.05 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.435 |
| 424 | 17.20 | 17.10 | 0.19659 | -1.3 | 0.44482 | 0.00 | 30.91 | 0.14 | 3.20 | 44.20 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.445 |
| 425 | 17.10 | 17.00 | 0.20170 | -1.3 | 0.45487 | 0.00 | 30.91 | 0.14 | 3.20 | 44.34 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.455 |
| 426 | 17.00 | 16.90 | 0.20680 | -1.2 | 0.46489 | 0.00 | 30.91 | 0.14 | 3.20 | 44.48 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.465 |
| 427 | 16.90 | 16.80 | 0.21190 | -1.2 | 0.47488 | 0.00 | 30.92 | 0.14 | 3.20 | 44.62 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.475 |
| 428 | 16.80 | 16.70 | 0.21883 | -0.3 | 0.48840 | 0.00 | 30.92 | 0.14 | 3.20 | 44.81 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.488 |
| 429 | 16.70 | 16.60 | 0.22393 | -0.3 | 0.49832 | 0.00 | 30.92 | 0.14 | 3.20 | 44.94 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.498 |
| 430 | 16.60 | 16.50 | 0.22904 | -0.3 | 0.50821 | 0.00 | 30.92 | 0.14 | 3.20 | 45.07 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.508 |
| 431 | 16.50 | 16.40 | 0.23414 | -0.3 | 0.51807 | 0.00 | 30.93 | 0.14 | 3.20 | 45.19 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.518 |
| 432 | 16.40 | 16.30 | 0.23924 | -0.3 | 0.52791 | 0.00 | 30.93 | 0.14 | 3.20 | 45.32 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.528 |
| 433 | 16.30 | 16.20 | 0.24434 | -0.3 | 0.53771 | 0.00 | 30.93 | 0.14 | 3.20 | 45.44 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.538 |
| 434 | 16.20 | 16.10 | 0.24944 | -0.3 | 0.54750 | 0.00 | 30.93 | 0.14 | 3.20 | 45.56 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.547 |
| 435 | 16.10 | 16.00 | 0.25455 | -0.3 | 0.55725 | 0.00 | 30.93 | 0.14 | 3.20 | 45.68 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.557 |
| 436 | 16.00 | 15.90 | 0.25965 | -0.3 | 0.56698 | 0.00 | 30.94 | 0.14 | 3.20 | 45.79 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.567 |
| 437 | 15.90 | 15.80 | 0.26475 | -0.3 | 0.57669 | 0.00 | 30.94 | 0.14 | 3.20 | 45.91 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.577 |
| 438 | 15.80 | 15.70 | 0.26985 | -0.3 | 0.58637 | 0.00 | 30.94 | 0.14 | 3.20 | 46.02 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.586 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 439 | 15.70 | 15.60 | 0.27495 | -0.3 | 0.59603 | 0.00 | 30.94 | 0.14 | 3.20 | 46.13 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.596 |
| 440 | 15.60 | 15.50 | 0.28006 | -0.3 | 0.60567 | 0.00 | 30.94 | 0.14 | 3.20 | 46.24 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.606 |
| 441 | 15.50 | 15.40 | 0.28516 | -0.2 | 0.61528 | 0.00 | 30.95 | 0.14 | 3.20 | 46.35 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.615 |
| 442 | 15.40 | 15.30 | 0.29026 | -0.2 | 0.62487 | 0.00 | 30.95 | 0.15 | 3.20 | 46.45 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.625 |
| 443 | 15.30 | 15.20 | 0.29536 | -0.2 | 0.63444 | 0.00 | 30.95 | 0.15 | 3.20 | 46.55 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.634 |
| 444 | 15.20 | 15.10 | 0.30046 | -0.2 | 0.64399 | 0.00 | 30.95 | 0.15 | 3.20 | 46.66 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.644 |
| 445 | 15.10 | 15.00 | 0.30557 | -0.2 | 0.65352 | 0.00 | 30.95 | 0.15 | 3.20 | 46.76 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.654 |
| 446 | 15.00 | 14.90 | 0.31067 | -0.2 | 0.66303 | 0.00 | 30.95 | 0.15 | 3.20 | 46.86 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.663 |
| 447 | 14.90 | 14.80 | 0.31577 | -0.2 | 0.67252 | 0.00 | 30.96 | 0.15 | 3.20 | 46.95 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.673 |
| 448 | 14.80 | 14.70 | 0.32087 | -0.2 | 0.68198 | 0.00 | 30.96 | 0.15 | 3.20 | 47.05 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.682 |
| 449 | 14.70 | 14.60 | 0.32597 | -0.2 | 0.69143 | 0.00 | 30.96 | 0.15 | 3.20 | 47.14 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.691 |
| 450 | 14.60 | 14.50 | 0.33108 | -0.2 | 0.70087 | 0.00 | 30.96 | 0.15 | 3.20 | 47.24 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.701 |
| 451 | 14.50 | 14.40 | 0.33618 | -0.2 | 0.71028 | 0.00 | 30.96 | 0.15 | 3.20 | 47.33 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.710 |
| 452 | 14.40 | 14.30 | 0.34311 | 0.3 | 0.72304 | 0.00 | 30.96 | 0.15 | 3.20 | 47.45 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.723 |
| 453 | 14.30 | 14.20 | 0.34821 | 0.3 | 0.73241 | 0.00 | 30.97 | 0.15 | 3.20 | 47.54 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.732 |
| 454 | 14.20 | 14.10 | 0.35331 | 0.3 | 0.74176 | 0.00 | 30.97 | 0.15 | 3.20 | 47.63 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.742 |
| 455 | 14.10 | 14.00 | 0.35842 | 0.3 | 0.75109 | 0.00 | 30.97 | 0.15 | 3.20 | 47.72 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.751 |
| 456 | 14.00 | 13.90 | 0.36369 | 0.4 | 0.76072 | 0.00 | 30.97 | 0.15 | 3.20 | 47.81 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.761 |
| 457 | 13.90 | 13.80 | 0.36879 | 0.3 | 0.77002 | 0.00 | 30.97 | 0.15 | 3.20 | 47.89 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.770 |
| 458 | 13.80 | 13.70 | 0.37389 | 0.3 | 0.77931 | 0.00 | 30.97 | 0.15 | 3.20 | 47.98 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.779 |
| 459 | 13.70 | 13.60 | 0.37899 | 0.3 | 0.78857 | 0.00 | 30.98 | 0.15 | 3.20 | 48.06 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.789 |
| 460 | 13.60 | 13.50 | 0.38410 | 0.3 | 0.79783 | 0.00 | 30.98 | 0.15 | 3.20 | 48.14 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.798 |
| 461 | 13.50 | 13.40 | 0.38920 | 0.3 | 0.80706 | 0.00 | 30.98 | 0.15 | 3.20 | 48.22 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.807 |
| 462 | 13.40 | 13.30 | 0.39430 | 0.3 | 0.81628 | 0.00 | 30.98 | 0.15 | 3.20 | 48.30 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.816 |
| 463 | 13.30 | 13.20 | 0.39940 | 0.3 | 0.82549 | 0.00 | 30.98 | 0.15 | 3.20 | 48.38 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.825 |
| 464 | 13.20 | 13.10 | 0.40450 | 0.3 | 0.83468 | 0.00 | 30.98 | 0.15 | 3.20 | 48.46 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.835 |
| 465 | 13.10 | 13.00 | 0.40961 | 0.3 | 0.84386 | 0.00 | 30.98 | 0.15 | 3.20 | 48.54 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.844 |
| 466 | 13.00 | 12.90 | 0.41471 | 0.3 | 0.85302 | 0.00 | 30.99 | 0.15 | 3.20 | 48.62 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.853 |
| 467 | 12.90 | 12.80 | 0.41981 | 0.3 | 0.86217 | 0.00 | 30.99 | 0.15 | 3.20 | 48.69 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.862 |
| 468 | 12.80 | 12.70 | 0.42491 | 0.3 | 0.87130 | 0.00 | 30.99 | 0.15 | 3.20 | 48.77 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.871 |
| 469 | 12.70 | 12.60 | 0.43002 | 0.3 | 0.88042 | 0.00 | 30.99 | 0.15 | 3.20 | 48.84 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.880 |
| 470 | 12.60 | 12.50 | 0.43512 | 0.3 | 0.88952 | 0.00 | 30.99 | 0.15 | 3.20 | 48.92 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.890 |
| 471 | 12.50 | 12.40 | 0.44022 | 0.3 | 0.89861 | 0.00 | 30.99 | 0.15 | 3.20 | 48.99 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.899 |
| 472 | 12.40 | 12.30 | 0.44532 | 0.3 | 0.90769 | 0.00 | 30.99 | 0.15 | 3.20 | 49.06 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.908 |
| 473 | 12.30 | 12.20 | 0.45042 | 0.3 | 0.91676 | 0.00 | 30.99 | 0.15 | 3.20 | 49.13 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.917 |
| 474 | 12.20 | 12.10 | 0.45553 | 0.3 | 0.92581 | 0.00 | 31.00 | 0.15 | 3.20 | 49.20 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.926 |
| 475 | 12.10 | 12.00 | 0.46063 | 0.3 | 0.93485 | 0.00 | 31.00 | 0.15 | 3.20 | 49.27 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.935 |
| 476 | 12.00 | 11.90 | 0.46573 | 0.3 | 0.94387 | 0.00 | 31.00 | 0.15 | 3.20 | 49.34 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.944 |
| 477 | 11.90 | 11.80 | 0.47083 | 0.3 | 0.95289 | 0.00 | 31.00 | 0.15 | 3.20 | 49.41 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.953 |
| 478 | 11.80 | 11.70 | 0.47593 | 0.3 | 0.96189 | 0.00 | 31.00 | 0.15 | 3.20 | 49.48 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.962 |
| 479 | 11.70 | 11.60 | 0.48104 | 0.3 | 0.97088 | 0.00 | 31.00 | 0.15 | 3.20 | 49.55 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.971 |
| 480 | 11.60 | 11.50 | 0.48614 | 0.3 | 0.97985 | 0.00 | 31.00 | 0.16 | 3.20 | 49.61 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.980 |
| 481 | 11.50 | 11.40 | 0.49124 | 0.3 | 0.98882 | 0.00 | 31.00 | 0.16 | 3.20 | 49.68 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.989 |
| 482 | 11.40 | 11.30 | 0.49634 | 0.3 | 0.99777 | 0.00 | 31.01 | 0.16 | 3.20 | 49.75 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.998 |
| 483 | 11.30 | 11.20 | 0.50144 | 0.3 | 1.00671 | 0.00 | 31.01 | 0.16 | 3.20 | 49.81 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.007 |
| 484 | 11.20 | 11.10 | 0.50655 | 0.3 | 1.01564 | 0.00 | 31.01 | 0.16 | 3.20 | 49.87 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.016 |
| 485 | 11.10 | 11.00 | 0.51165 | 0.3 | 1.02456 | 0.00 | 31.01 | 0.16 | 3.20 | 49.94 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.025 |
| 486 | 11.00 | 10.90 | 0.51675 | 0.2 | 1.03346 | 0.00 | 31.01 | 0.16 | 3.20 | 50.00 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.033 |
| TOT | | | | | | 0.32 | | | | 4395.10 | 31360.00 | | | | | |
| AVG | | | | | 0.3539 | | | 0.14 | 3.20 | | | 0.45 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 7.55 | 12.04 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 20.500 | 7.55 | 12.05 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 20.400 | 7.54 | 12.05 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 20.300 | 7.54 | 12.06 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 20.200 | 7.53 | 12.07 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 20.100 | 7.53 | 12.08 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 20.000 | 7.52 | 12.09 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 19.900 | 7.52 | 12.10 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 19.800 | 7.51 | 12.10 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 19.700 | 7.51 | 12.11 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 19.600 | 7.50 | 12.12 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.41 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 19.500 | 7.50 | 12.13 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 19.400 | 7.49 | 12.14 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 19.300 | 7.49 | 12.14 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 19.200 | 7.48 | 12.15 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 404 | 19.100 | 7.48 | 12.16 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 405 | 19.000 | 7.47 | 12.17 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 406 | 18.900 | 7.47 | 12.18 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 407 | 18.800 | 7.46 | 12.19 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 408 | 18.700 | 7.46 | 12.19 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 409 | 18.600 | 7.45 | 12.20 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 410 | 18.500 | 7.45 | 12.21 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 411 | 18.400 | 7.44 | 12.22 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 412 | 18.300 | 7.44 | 12.23 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | 18.200 | 7.43 | 12.24 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 414 | 18.100 | 7.43 | 12.24 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 415 | 18.000 | 7.42 | 12.25 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 416 | 17.900 | 7.42 | 12.26 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 417 | 17.800 | 7.41 | 12.27 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 418 | 17.700 | 7.41 | 12.28 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 17.600 | 7.40 | 12.29 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 420 | 17.500 | 7.40 | 12.29 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 17.400 | 7.39 | 12.30 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 17.300 | 7.38 | 12.31 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 17.200 | 7.38 | 12.32 | 0.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 17.100 | 7.38 | 12.33 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 17.000 | 7.37 | 12.34 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 16.900 | 7.37 | 12.34 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 16.800 | 7.36 | 12.35 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 16.700 | 7.36 | 12.36 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 16.600 | 7.35 | 12.37 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 16.500 | 7.35 | 12.38 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 16.400 | 7.34 | 12.39 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 0.33 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 16.300 | 7.34 | 12.40 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 16.200 | 7.33 | 12.40 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 16.100 | 7.33 | 12.41 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 16.000 | 7.32 | 12.42 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 15.900 | 7.32 | 12.43 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 15.800 | 7.31 | 12.44 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 15.700 | 7.31 | 12.45 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 15.600 | 7.30 | 12.45 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 15.500 | 7.30 | 12.46 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 15.400 | 7.29 | 12.47 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 15.300 | 7.29 | 12.48 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 15.200 | 7.28 | 12.49 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 15.100 | 7.28 | 12.50 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 15.000 | 7.27 | 12.50 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 14.900 | 7.27 | 12.51 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 14.800 | 7.26 | 12.52 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 14.700 | 7.26 | 12.53 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 14.600 | 7.25 | 12.54 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 14.500 | 7.25 | 12.54 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 14.400 | 7.24 | 12.55 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 14.300 | 7.24 | 12.56 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 14.200 | 7.23 | 12.57 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 14.100 | 7.23 | 12.58 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 14.000 | 7.22 | 12.59 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 13.900 | 7.22 | 12.60 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 13.800 | 7.21 | 12.60 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 13.700 | 7.21 | 12.61 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 13.600 | 7.20 | 12.62 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 13.500 | 7.20 | 12.63 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 13.400 | 7.19 | 12.64 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 13.300 | 7.19 | 12.65 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 13.200 | 7.19 | 12.65 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 13.100 | 7.18 | 12.66 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 13.000 | 7.18 | 12.67 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 12.900 | 7.17 | 12.68 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 12.800 | 7.17 | 12.69 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 12.700 | 7.16 | 12.70 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 12.600 | 7.16 | 12.70 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 12.500 | 7.15 | 12.71 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 12.400 | 7.15 | 12.72 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 12.300 | 7.14 | 12.73 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 12.200 | 7.14 | 12.74 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 12.100 | 7.13 | 12.75 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.52 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 12.000 | 7.13 | 12.76 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 11.900 | 7.12 | 12.76 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 11.800 | 7.12 | 12.77 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 478 | 11.700 | 7.11 | 12.78 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 11.600 | 7.11 | 12.79 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 11.500 | 7.10 | 12.80 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 481 | 11.400 | 7.10 | 12.81 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 11.300 | 7.09 | 12.81 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 11.200 | 7.09 | 12.82 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 11.100 | 7.09 | 12.83 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 11.000 | 7.08 | 12.84 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 10.900 | 7.08 | 12.85 | 0.06 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 10.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 30.04 | 0.00 | 1.00 | 0.00 | 5.87 | 4.54 | 0.00 | 4.80 | 0.00 | 0.47 | 0.14 | 0.51 | 1.12 | 0.49 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 390 | 20.500 | 30.08 | 0.00 | 1.00 | 0.00 | 6.29 | 5.51 | 0.00 | 5.79 | 0.00 | 0.43 | 0.12 | 0.48 | 1.03 | 0.46 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 391 | 20.400 | 30.12 | 0.00 | 1.00 | 0.00 | 6.53 | 6.12 | 0.00 | 6.43 | 0.00 | 0.41 | 0.12 | 0.46 | 0.98 | 0.43 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 392 | 20.300 | 30.16 | 0.00 | 1.00 | 0.00 | 6.67 | 6.54 | 0.00 | 6.87 | 0.00 | 0.39 | 0.11 | 0.44 | 0.95 | 0.42 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 393 | 20.200 | 30.20 | 0.00 | 1.00 | 0.00 | 6.72 | 6.99 | 0.00 | 7.34 | 0.00 | 0.39 | 0.14 | 0.45 | 0.98 | 0.42 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 394 | 20.100 | 30.24 | 0.00 | 1.00 | 0.00 | 6.79 | 7.20 | 0.00 | 7.57 | 0.00 | 0.38 | 0.13 | 0.44 | 0.95 | 0.41 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 395 | 20.000 | 30.28 | 0.00 | 1.00 | 0.00 | 6.84 | 7.37 | 0.00 | 7.76 | 0.00 | 0.37 | 0.13 | 0.43 | 0.93 | 0.40 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 396 | 19.900 | 30.32 | 0.00 | 1.00 | 0.00 | 6.88 | 7.51 | 0.00 | 7.92 | 0.00 | 0.36 | 0.12 | 0.43 | 0.91 | 0.40 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 397 | 19.800 | 30.36 | 0.00 | 1.00 | 0.00 | 6.91 | 7.63 | 0.00 | 8.06 | 0.00 | 0.36 | 0.12 | 0.42 | 0.90 | 0.39 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 398 | 19.700 | 30.40 | 0.00 | 1.00 | 0.00 | 6.94 | 7.72 | 0.00 | 8.18 | 0.00 | 0.35 | 0.12 | 0.42 | 0.89 | 0.39 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 399 | 19.600 | 30.44 | 0.00 | 1.00 | 0.00 | 6.95 | 7.80 | 0.00 | 8.28 | 0.00 | 0.35 | 0.12 | 0.41 | 0.88 | 0.39 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | 19.500 | 30.48 | 0.00 | 1.00 | 0.00 | 6.97 | 7.87 | 0.00 | 8.37 | 0.00 | 0.35 | 0.11 | 0.41 | 0.87 | 0.39 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 401 | 19.400 | 30.52 | 0.00 | 1.00 | 0.00 | 6.98 | 7.93 | 0.00 | 8.45 | 0.00 | 0.34 | 0.11 | 0.41 | 0.86 | 0.39 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 402 | 19.300 | 30.56 | 0.00 | 1.00 | 0.00 | 6.99 | 7.99 | 0.00 | 8.53 | 0.00 | 0.34 | 0.11 | 0.40 | 0.86 | 0.38 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 403 | 19.200 | 30.60 | 0.00 | 1.00 | 0.00 | 7.00 | 8.03 | 0.00 | 8.60 | 0.00 | 0.34 | 0.11 | 0.40 | 0.85 | 0.38 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 404 | 19.100 | 30.64 | 0.00 | 1.00 | 0.00 | 7.01 | 8.07 | 0.00 | 8.66 | 0.00 | 0.34 | 0.11 | 0.40 | 0.84 | 0.38 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 405 | 19.000 | 30.68 | 0.00 | 1.00 | 0.00 | 7.01 | 8.11 | 0.00 | 8.72 | 0.00 | 0.33 | 0.11 | 0.40 | 0.84 | 0.38 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 406 | 18.900 | 30.72 | 0.00 | 1.00 | 0.00 | 7.02 | 8.15 | 0.00 | 8.77 | 0.00 | 0.33 | 0.11 | 0.40 | 0.84 | 0.38 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 407 | 18.800 | 30.76 | 0.00 | 1.00 | 0.00 | 7.02 | 8.18 | 0.00 | 8.83 | 0.00 | 0.33 | 0.10 | 0.40 | 0.83 | 0.38 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 408 | 18.700 | 30.80 | 0.00 | 1.00 | 0.00 | 7.03 | 8.20 | 0.00 | 8.88 | 0.00 | 0.33 | 0.10 | 0.39 | 0.83 | 0.38 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 409 | 18.600 | 30.84 | 0.00 | 1.00 | 0.00 | 7.03 | 8.23 | 0.00 | 8.92 | 0.00 | 0.33 | 0.10 | 0.39 | 0.82 | 0.38 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 410 | 18.500 | 30.88 | 0.00 | 1.00 | 0.00 | 7.03 | 8.25 | 0.00 | 8.97 | 0.00 | 0.33 | 0.10 | 0.39 | 0.82 | 0.38 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 411 | 18.400 | 30.92 | 0.00 | 1.00 | 0.00 | 7.03 | 8.28 | 0.00 | 9.01 | 0.00 | 0.33 | 0.10 | 0.39 | 0.82 | 0.38 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 412 | 18.300 | 30.96 | 0.00 | 1.00 | 0.00 | 7.04 | 8.30 | 0.00 | 9.05 | 0.00 | 0.33 | 0.10 | 0.39 | 0.82 | 0.39 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 413 | 18.200 | 30.99 | 0.00 | 1.00 | 0.00 | 7.04 | 8.31 | 0.00 | 9.09 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.39 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 414 | 18.100 | 31.03 | 0.00 | 1.00 | 0.00 | 7.04 | 8.33 | 0.00 | 9.13 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.39 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 415 | 18.000 | 31.07 | 0.00 | 1.00 | 0.00 | 7.04 | 8.35 | 0.00 | 9.17 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.39 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 416 | 17.900 | 31.11 | 0.00 | 1.00 | 0.00 | 7.04 | 8.36 | 0.00 | 9.21 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.39 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 417 | 17.800 | 31.15 | 0.00 | 1.00 | 0.00 | 7.04 | 8.38 | 0.00 | 9.24 | 0.00 | 0.32 | 0.10 | 0.39 | 0.81 | 0.39 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 418 | 17.700 | 31.19 | 0.00 | 1.00 | 0.00 | 7.04 | 8.39 | 0.00 | 9.28 | 0.00 | 0.32 | 0.10 | 0.39 | 0.80 | 0.39 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 419 | 17.600 | 31.23 | 0.00 | 1.00 | 0.00 | 7.04 | 8.40 | 0.00 | 9.31 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.39 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 420 | 17.500 | 31.27 | 0.00 | 1.00 | 0.00 | 7.04 | 8.41 | 0.00 | 9.34 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.39 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 421 | 17.400 | 31.31 | 0.00 | 1.00 | 0.00 | 7.04 | 8.42 | 0.00 | 9.37 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.39 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 422 | 17.300 | 31.35 | 0.00 | 1.00 | 0.00 | 7.04 | 8.43 | 0.00 | 9.41 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.40 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 423 | 17.200 | 31.39 | 0.00 | 1.00 | 0.00 | 7.04 | 8.44 | 0.00 | 9.44 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.40 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 424 | 17.100 | 31.43 | 0.00 | 1.00 | 0.00 | 7.04 | 8.45 | 0.00 | 9.47 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.40 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 425 | 17.000 | 31.47 | 0.00 | 1.00 | 0.00 | 7.04 | 8.46 | 0.00 | 9.50 | 0.00 | 0.32 | 0.10 | 0.38 | 0.79 | 0.40 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 426 | 16.900 | 31.51 | 0.00 | 1.00 | 0.00 | 7.04 | 8.47 | 0.00 | 9.53 | 0.00 | 0.32 | 0.10 | 0.38 | 0.79 | 0.40 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 427 | 16.800 | 31.55 | 0.00 | 1.00 | 0.00 | 7.04 | 8.48 | 0.00 | 9.56 | 0.00 | 0.32 | 0.10 | 0.38 | 0.79 | 0.40 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 428 | 16.700 | 31.59 | 0.00 | 1.00 | 0.00 | 7.01 | 8.55 | 0.00 | 9.65 | 0.00 | 0.32 | 0.11 | 0.39 | 0.83 | 0.41 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 429 | 16.600 | 31.63 | 0.00 | 1.00 | 0.00 | 7.01 | 8.55 | 0.00 | 9.68 | 0.00 | 0.32 | 0.11 | 0.39 | 0.83 | 0.41 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 430 | 16.500 | 31.67 | 0.00 | 1.00 | 0.00 | 7.01 | 8.56 | 0.00 | 9.70 | 0.00 | 0.32 | 0.11 | 0.39 | 0.83 | 0.41 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 431 | 16.400 | 31.71 | 0.00 | 1.00 | 0.00 | 7.01 | 8.56 | 0.00 | 9.73 | 0.00 | 0.32 | 0.11 | 0.39 | 0.83 | 0.41 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 432 | 16.300 | 31.75 | 0.00 | 1.00 | 0.00 | 7.01 | 8.57 | 0.00 | 9.76 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.42 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 433 | 16.200 | 31.79 | 0.00 | 1.00 | 0.00 | 7.01 | 8.57 | 0.00 | 9.78 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.42 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 434 | 16.100 | 31.83 | 0.00 | 1.00 | 0.00 | 7.01 | 8.58 | 0.00 | 9.81 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.42 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 435 | 16.000 | 31.87 | 0.00 | 1.00 | 0.00 | 7.01 | 8.58 | 0.00 | 9.83 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.42 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 436 | 15.900 | 31.91 | 0.00 | 1.00 | 0.00 | 7.01 | 8.59 | 0.00 | 9.86 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.42 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 437 | 15.800 | 31.95 | 0.00 | 1.00 | 0.00 | 7.02 | 8.59 | 0.00 | 9.89 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.42 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 438 | 15.700 | 31.99 | 0.00 | 1.00 | 0.00 | 7.02 | 8.59 | 0.00 | 9.91 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.42 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 439 | 15.600 | 32.03 | 0.00 | 1.00 | 0.00 | 7.02 | 8.60 | 0.00 | 9.94 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.42 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 440 | 15.500 | 32.07 | 0.00 | 1.00 | 0.00 | 7.02 | 8.60 | 0.00 | 9.96 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.43 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 441 | 15.400 | 32.11 | 0.00 | 1.00 | 0.00 | 7.02 | 8.60 | 0.00 | 9.99 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.43 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 442 | 15.300 | 32.15 | 0.00 | 1.00 | 0.00 | 7.02 | 8.61 | 0.00 | 10.01 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.43 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 443 | 15.200 | 32.19 | 0.00 | 1.00 | 0.00 | 7.01 | 8.61 | 0.00 | 10.03 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.43 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 444 | 15.100 | 32.23 | 0.00 | 1.00 | 0.00 | 7.01 | 8.61 | 0.00 | 10.06 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.43 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 445 | 15.000 | 32.27 | 0.00 | 1.00 | 0.00 | 7.01 | 8.62 | 0.00 | 10.08 | 0.00 | 0.32 | 0.11 | 0.38 | 0.81 | 0.43 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 446 | 14.900 | 32.31 | 0.00 | 1.00 | 0.00 | 7.01 | 8.62 | 0.00 | 10.11 | 0.00 | 0.32 | 0.11 | 0.38 | 0.81 | 0.43 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 447 | 14.800 | 32.35 | 0.00 | 1.00 | 0.00 | 7.01 | 8.62 | 0.00 | 10.13 | 0.00 | 0.32 | 0.11 | 0.38 | 0.80 | 0.44 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 448 | 14.700 | 32.39 | 0.00 | 1.00 | 0.00 | 7.01 | 8.62 | 0.00 | 10.16 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.44 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 449 | 14.600 | 32.43 | 0.00 | 1.00 | 0.00 | 7.01 | 8.63 | 0.00 | 10.18 | 0.00 | 0.32 | 0.10 | 0.38 | 0.80 | 0.44 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 450 | 14.500 | 32.47 | 0.00 | 1.00 | 0.00 | 7.01 | 8.63 | 0.00 | 10.20 | 0.00 | 0.31 | 0.10 | 0.38 | 0.80 | 0.44 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 451 | 14.400 | 32.51 | 0.00 | 1.00 | 0.00 | 7.01 | 8.63 | 0.00 | 10.23 | 0.00 | 0.31 | 0.10 | 0.38 | 0.80 | 0.44 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 452 | 14.300 | 32.55 | 0.00 | 1.00 | 0.00 | 6.99 | 8.67 | 0.00 | 10.29 | 0.00 | 0.32 | 0.12 | 0.39 | 0.83 | 0.45 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 453 | 14.200 | 32.59 | 0.00 | 1.00 | 0.00 | 6.99 | 8.67 | 0.00 | 10.31 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.45 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 454 | 14.100 | 32.63 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.34 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.45 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 455 | 14.000 | 32.67 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.36 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.45 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 456 | 13.900 | 32.71 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.38 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.45 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 457 | 13.800 | 32.75 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.40 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.45 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 458 | 13.700 | 32.79 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.43 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.46 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 459 | 13.600 | 32.83 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.45 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.46 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 460 | 13.500 | 32.87 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.47 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.46 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 461 | 13.400 | 32.91 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.49 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.46 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 462 | 13.300 | 32.94 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.52 | 0.00 | 0.32 | 0.11 | 0.39 | 0.82 | 0.46 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 463 | 13.200 | 32.98 | 0.00 | 1.00 | 0.00 | 6.99 | 8.68 | 0.00 | 10.54 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.46 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 464 | 13.100 | 33.02 | 0.00 | 1.00 | 0.00 | 6.98 | 8.69 | 0.00 | 10.56 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.47 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 465 | 13.000 | 33.06 | 0.00 | 1.00 | 0.00 | 6.98 | 8.69 | 0.00 | 10.58 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.47 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 466 | 12.900 | 33.10 | 0.00 | 1.00 | 0.00 | 6.98 | 8.69 | 0.00 | 10.61 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.47 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 467 | 12.800 | 33.14 | 0.00 | 1.00 | 0.00 | 6.98 | 8.69 | 0.00 | 10.63 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.47 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 468 | 12.700 | 33.18 | 0.00 | 1.00 | 0.00 | 6.98 | 8.69 | 0.00 | 10.65 | 0.00 | 0.32 | 0.11 | 0.39 | 0.81 | 0.47 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 469 | 12.600 | 33.22 | 0.00 | 1.00 | 0.00 | 6.98 | 8.69 | 0.00 | 10.68 | 0.00 | 0.31 | 0.11 | 0.39 | 0.81 | 0.47 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470 | 12.500 | 33.26 | 0.00 | 1.00 | 0.00 | 6.98 | 8.69 | 0.00 | 10.70 | 0.00 | 0.31 | 0.11 | 0.39 | 0.81 | 0.47 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 471 | 12.400 | 33.30 | 0.00 | 1.00 | 0.00 | 6.98 | 8.69 | 0.00 | 10.72 | 0.00 | 0.31 | 0.11 | 0.38 | 0.81 | 0.48 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 472 | 12.300 | 33.34 | 0.00 | 1.00 | 0.00 | 6.98 | 8.69 | 0.00 | 10.74 | 0.00 | 0.31 | 0.11 | 0.38 | 0.81 | 0.48 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 473 | 12.200 | 33.38 | 0.00 | 1.00 | 0.00 | 6.98 | 8.70 | 0.00 | 10.77 | 0.00 | 0.31 | 0.11 | 0.38 | 0.81 | 0.48 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 474 | 12.100 | 33.42 | 0.00 | 1.00 | 0.00 | 6.98 | 8.70 | 0.00 | 10.79 | 0.00 | 0.31 | 0.11 | 0.38 | 0.81 | 0.48 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 475 | 12.000 | 33.46 | 0.00 | 1.00 | 0.00 | 6.98 | 8.70 | 0.00 | 10.81 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.48 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 476 | 11.900 | 33.50 | 0.00 | 1.00 | 0.00 | 6.98 | 8.70 | 0.00 | 10.83 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.48 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 477 | 11.800 | 33.54 | 0.00 | 1.00 | 0.00 | 6.98 | 8.70 | 0.00 | 10.85 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.49 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 478 | 11.700 | 33.58 | 0.00 | 1.00 | 0.00 | 6.98 | 8.70 | 0.00 | 10.88 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.49 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 479 | 11.600 | 33.62 | 0.00 | 1.00 | 0.00 | 6.98 | 8.70 | 0.00 | 10.90 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.49 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 480 | 11.500 | 33.66 | 0.00 | 1.00 | 0.00 | 6.97 | 8.70 | 0.00 | 10.92 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.49 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 481 | 11.400 | 33.70 | 0.00 | 1.00 | 0.00 | 6.97 | 8.70 | 0.00 | 10.94 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.49 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 482 | 11.300 | 33.74 | 0.00 | 1.00 | 0.00 | 6.97 | 8.70 | 0.00 | 10.97 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.49 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 483 | 11.200 | 33.78 | 0.00 | 1.00 | 0.00 | 6.97 | 8.70 | 0.00 | 10.99 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.49 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 484 | 11.100 | 33.82 | 0.00 | 1.00 | 0.00 | 6.97 | 8.70 | 0.00 | 11.01 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.50 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 485 | 11.000 | 33.86 | 0.00 | 1.00 | 0.00 | 6.97 | 8.70 | 0.00 | 11.03 | 0.00 | 0.31 | 0.11 | 0.38 | 0.80 | 0.50 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 486 | 10.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.85 | 8.62 | 0.00 | 10.97 | 0.00 | 0.31 | 0.10 | 0.37 | 0.79 | 0.50 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 390 | 20.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 391 | 20.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 392 | 20.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 393 | 20.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 394 | 20.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 395 | 20.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 396 | 19.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 397 | 19.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 398 | 19.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 399 | 19.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 400 | 19.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 401 | 19.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 402 | 19.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 403 | 19.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 404 | 19.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 405 | 19.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 406 | 18.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 407 | 18.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 408 | 18.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 409 | 18.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 410 | 18.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 411 | 18.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 412 | 18.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 413 | 18.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 414 | 18.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 415 | 18.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 416 | 17.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 417 | 17.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 418 | 17.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 419 | 17.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 420 | 17.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 421 | 17.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 422 | 17.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 423 | 17.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 424 | 17.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 425 | 17.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 426 | 16.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 427 | 16.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 428 | 16.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 429 | 16.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 430 | 16.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 431 | 16.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 432 | 16.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 433 | 16.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 434 | 16.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 435 | 16.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 436 | 15.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 437 | 15.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 438 | 15.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 439 | 15.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 440 | 15.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 441 | 15.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 442 | 15.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 443 | 15.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 444 | 15.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 445 | 15.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 446 | 14.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 447 | 14.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 448 | 14.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 449 | 14.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 450 | 14.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 451 | 14.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 452 | 14.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 453 | 14.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 454 | 14.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 455 | 14.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 456 | 13.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 457 | 13.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 458 | 13.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 459 | 13.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 460 | 13.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 461 | 13.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 462 | 13.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 463 | 13.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 464 | 13.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 465 | 13.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 466 | 12.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 467 | 12.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 468 | 12.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 469 | 12.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 470 | 12.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 471 | 12.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 472 | 12.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 473 | 12.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 474 | 12.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 475 | 12.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 476 | 11.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 477 | 11.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 478 | 11.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 479 | 11.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 480 | 11.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 481 | 11.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 482 | 11.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 483 | 11.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 484 | 11.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 485 | 11.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 486 | 10.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 8 Pontchatoula (Arnold to YWR) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | UPR RCH | 0.51675 | 33.90 | 0.00 | 1.00 | 0.00 | 6.85 | 8.62 | 0.00 | 10.97 | 0.00 | 0.31 | 0.10 | 0.37 | 0.00 | 22.00 | 0.00 | 0.00 |
| 561 | TRIB | 0.00344 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 1.15 | 0.00 | 3.50 | 0.00 | 0.23 | 0.01 | 0.00 | 0.00 | 22.00 | 0.00 | 0.00 |
| 564 | WSTLD | 0.00001 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | WSTLD | 0.00342 | 29.80 | 0.00 | 0.00 | 0.00 | 3.00 | 18.29 | 0.00 | 18.29 | 0.00 | 1.34 | 2.65 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | WSTLD | 0.00129 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 21.10 | 0.00 | 21.10 | 0.00 | 1.52 | 3.06 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 603 | WSTLD | 0.00283 | 30.30 | 0.00 | 0.00 | 0.00 | 2.00 | 3.28 | 0.00 | 3.28 | 0.00 | 0.42 | 0.09 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.90 | 10.80 | 0.52019 | 0.4 | 0.05867 | 0.02 | 31.03 | 0.48 | 18.29 | 886.70 | 1829.00 | 8.87 | 64.02 | 0.000 | 25.000 | 0.059 |
| 562 | 10.80 | 10.70 | 0.52019 | 0.4 | 0.05867 | 0.02 | 31.05 | 0.48 | 18.29 | 886.70 | 1829.00 | 8.87 | 128.03 | 0.001 | 25.000 | 0.059 |
| 563 | 10.70 | 10.60 | 0.52019 | 0.4 | 0.05867 | 0.02 | 31.07 | 0.48 | 18.29 | 886.70 | 1829.00 | 8.87 | 192.05 | 0.001 | 25.000 | 0.059 |
| 564 | 10.60 | 10.50 | 0.52020 | 0.4 | 0.05867 | 0.02 | 31.09 | 0.48 | 18.29 | 886.71 | 1829.00 | 8.87 | 256.06 | 0.001 | 25.000 | 0.059 |
| 565 | 10.50 | 10.40 | 0.52020 | 0.4 | 0.05867 | 0.02 | 31.11 | 0.48 | 18.29 | 886.71 | 1829.00 | 8.87 | 320.08 | 0.002 | 25.000 | 0.059 |
| 566 | 10.40 | 10.30 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.13 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 384.09 | 0.002 | 25.000 | 0.059 |
| 567 | 10.30 | 10.20 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.15 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 448.11 | 0.002 | 25.000 | 0.059 |
| 568 | 10.20 | 10.10 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.17 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 512.12 | 0.003 | 25.000 | 0.059 |
| 569 | 10.10 | 10.00 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.19 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 576.14 | 0.003 | 25.000 | 0.059 |
| 570 | 10.00 | 9.90 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.21 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 640.15 | 0.003 | 25.000 | 0.059 |
| 571 | 9.90 | 9.80 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.23 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 704.17 | 0.004 | 25.000 | 0.059 |
| 572 | 9.80 | 9.70 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.25 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 768.18 | 0.004 | 25.000 | 0.059 |
| 573 | 9.70 | 9.60 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.27 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 832.20 | 0.004 | 25.000 | 0.059 |
| 574 | 9.60 | 9.50 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.28 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 896.21 | 0.005 | 25.000 | 0.059 |
| 575 | 9.50 | 9.40 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.30 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 960.23 | 0.005 | 25.000 | 0.059 |
| 576 | 9.40 | 9.30 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.32 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1024.24 | 0.005 | 25.000 | 0.059 |
| 577 | 9.30 | 9.20 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.34 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1088.26 | 0.006 | 25.000 | 0.059 |
| 578 | 9.20 | 9.10 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.36 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1152.27 | 0.006 | 25.000 | 0.059 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 579 | 9.10 | 9.00 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.38 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1216.29 | 0.006 | 25.000 | 0.059 |
| 580 | 9.00 | 8.90 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.40 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1280.30 | 0.007 | 25.000 | 0.059 |
| 581 | 8.90 | 8.80 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.42 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1344.32 | 0.007 | 25.000 | 0.059 |
| 582 | 8.80 | 8.70 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.44 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1408.33 | 0.007 | 25.000 | 0.059 |
| 583 | 8.70 | 8.60 | 0.52362 | 1.0 | 0.05900 | 0.02 | 31.46 | 0.49 | 18.29 | 887.45 | 1829.00 | 8.87 | 1472.35 | 0.008 | 25.000 | 0.059 |
| 584 | 8.60 | 8.50 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.48 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1536.36 | 0.008 | 25.000 | 0.059 |
| 585 | 8.50 | 8.40 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.50 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1600.38 | 0.008 | 25.000 | 0.059 |
| 586 | 8.40 | 8.30 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.52 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1664.39 | 0.009 | 25.000 | 0.059 |
| 587 | 8.30 | 8.20 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.54 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1728.41 | 0.009 | 25.000 | 0.059 |
| 588 | 8.20 | 8.10 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.56 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1792.42 | 0.009 | 25.000 | 0.059 |
| 589 | 8.10 | 8.00 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.58 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1856.44 | 0.010 | 25.000 | 0.059 |
| 590 | 8.00 | 7.90 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.60 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1920.45 | 0.010 | 25.000 | 0.059 |
| 591 | 7.90 | 7.80 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.62 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 1984.47 | 0.010 | 25.000 | 0.059 |
| 592 | 7.80 | 7.70 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.64 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2048.48 | 0.011 | 25.000 | 0.059 |
| 593 | 7.70 | 7.60 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.66 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2112.50 | 0.011 | 25.000 | 0.059 |
| 594 | 7.60 | 7.50 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.68 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2176.51 | 0.011 | 25.000 | 0.059 |
| 595 | 7.50 | 7.40 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.70 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2240.52 | 0.012 | 25.000 | 0.059 |
| 596 | 7.40 | 7.30 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.72 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2304.54 | 0.012 | 25.000 | 0.059 |
| 597 | 7.30 | 7.20 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.74 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2368.55 | 0.012 | 25.000 | 0.059 |
| 598 | 7.20 | 7.10 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.75 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2432.57 | 0.013 | 25.000 | 0.059 |
| 599 | 7.10 | 7.00 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.77 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2496.58 | 0.013 | 25.000 | 0.059 |
| 600 | 7.00 | 6.90 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.79 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2560.60 | 0.013 | 25.000 | 0.059 |
| 601 | 6.90 | 6.80 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.81 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2624.61 | 0.014 | 25.000 | 0.059 |
| 602 | 6.80 | 6.70 | 0.52491 | 1.3 | 0.05913 | 0.02 | 31.83 | 0.49 | 18.29 | 887.73 | 1829.00 | 8.88 | 2688.63 | 0.014 | 25.000 | 0.059 |
| 603 | 6.70 | 6.60 | 0.52774 | 1.8 | 0.05941 | 0.02 | 31.85 | 0.49 | 18.29 | 888.34 | 1829.00 | 8.88 | 2752.64 | 0.014 | 25.000 | 0.059 |
| TOT | | | | | | 0.84 | | | | 38162.71 | 78647.01 | | | | | |
| AVG | | | | | 0.0590 | | | 0.49 | 18.29 | | | 8.88 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS
**********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.800 | 7.09 | 1.85 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 | 1.81 | 1.81 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 562 | 10.700 | 7.09 | 1.85 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 | 1.81 | 1.81 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 563 | 10.600 | 7.10 | 1.85 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 1.80 | 1.80 | 0.01 | 0.00 | 0.54 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 564 | 10.500 | 7.11 | 1.85 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 1.79 | 1.79 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 565 | 10.400 | 7.12 | 1.84 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 1.78 | 1.78 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | 10.300 | 7.13 | 1.84 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 1.77 | 1.77 | 0.01 | 0.00 | 0.53 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 567 | 10.200 | 7.14 | 1.84 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.76 | 1.76 | 1.76 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 568 | 10.100 | 7.15 | 1.83 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | 1.75 | 1.75 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 569 | 10.000 | 7.16 | 1.83 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.74 | 1.74 | 1.74 | 0.01 | 0.00 | 0.52 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 570 | 9.900 | 7.17 | 1.83 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.74 | 1.74 | 1.74 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 571 | 9.800 | 7.18 | 1.83 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 1.73 | 1.73 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 572 | 9.700 | 7.19 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.72 | 1.72 | 1.72 | 0.01 | 0.00 | 0.51 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 573 | 9.600 | 7.20 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 1.71 | 1.71 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 574 | 9.500 | 7.21 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 1.70 | 1.70 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 575 | 9.400 | 7.22 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 1.69 | 1.69 | 0.01 | 0.00 | 0.50 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 576 | 9.300 | 7.23 | 1.82 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 1.68 | 1.68 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 577 | 9.200 | 7.24 | 1.81 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 1.68 | 1.68 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 578 | 9.100 | 7.25 | 1.81 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.67 | 1.67 | 0.01 | 0.00 | 0.49 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 579 | 9.000 | 7.26 | 1.81 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 | 1.66 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 580 | 8.900 | 7.27 | 1.81 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 1.65 | 1.65 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 581 | 8.800 | 7.28 | 1.80 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.64 | 1.64 | 0.01 | 0.00 | 0.48 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 582 | 8.700 | 7.28 | 1.80 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 1.63 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 583 | 8.600 | 7.29 | 1.80 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 1.63 | 1.63 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | 8.500 | 7.30 | 1.80 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.62 | 1.62 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 585 | 8.400 | 7.31 | 1.79 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 1.61 | 1.61 | 0.01 | 0.00 | 0.47 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 586 | 8.300 | 7.32 | 1.79 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 1.60 | 1.60 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 587 | 8.200 | 7.33 | 1.79 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.59 | 1.59 | 1.59 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 588 | 8.100 | 7.34 | 1.79 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.59 | 1.59 | 1.59 | 0.01 | 0.00 | 0.46 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 589 | 8.000 | 7.35 | 1.78 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 1.58 | 1.58 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 590 | 7.900 | 7.36 | 1.78 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 1.57 | 1.57 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 591 | 7.800 | 7.37 | 1.78 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 1.56 | 1.56 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 592 | 7.700 | 7.38 | 1.78 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 1.56 | 1.56 | 0.01 | 0.00 | 0.45 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 593 | 7.600 | 7.39 | 1.77 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.55 | 1.55 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 594 | 7.500 | 7.40 | 1.77 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 1.54 | 1.54 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 595 | 7.400 | 7.41 | 1.77 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 1.53 | 1.53 | 0.01 | 0.00 | 0.44 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 596 | 7.300 | 7.42 | 1.77 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 1.52 | 1.52 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 597 | 7.200 | 7.43 | 1.76 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 1.52 | 1.52 | 0.01 | 0.00 | 0.43 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 598 | 7.100 | 7.44 | 1.76 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 1.51 | 1.51 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 599 | 7.000 | 7.45 | 1.76 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.50 | 1.50 | 0.01 | 0.00 | 0.43 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600 | 6.900 | 7.46 | 1.76 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 601 | 6.800 | 7.47 | 1.75 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 1.49 | 1.49 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 602 | 6.700 | 7.48 | 1.75 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 1.48 | 1.48 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 603 | 6.600 | 7.49 | 1.75 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 1.47 | 1.47 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.44 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.800 | 33.82 | 0.00 | 1.00 | 0.00 | 6.80 | 8.58 | 0.00 | 10.93 | 0.00 | 0.31 | 0.10 | 0.37 | 0.79 | 0.50 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 562 | 10.700 | 33.74 | 0.00 | 1.00 | 0.00 | 6.77 | 8.57 | 0.00 | 10.91 | 0.00 | 0.31 | 0.11 | 0.37 | 0.79 | 0.50 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.9 | 0.0 | 0. | 0.00 |
| 563 | 10.600 | 33.66 | 0.00 | 1.00 | 0.00 | 6.74 | 8.56 | 0.00 | 10.89 | 0.00 | 0.31 | 0.11 | 0.37 | 0.79 | 0.50 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.8 | 0.0 | 0. | 0.00 |
| 564 | 10.500 | 33.58 | 0.00 | 1.00 | 0.00 | 6.71 | 8.55 | 0.00 | 10.87 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.50 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 565 | 10.400 | 33.50 | 0.00 | 1.00 | 0.00 | 6.68 | 8.54 | 0.00 | 10.85 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.50 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.7 | 0.0 | 0. | 0.00 |
| 566 | 10.300 | 33.43 | 0.00 | 1.00 | 0.00 | 6.65 | 8.54 | 0.00 | 10.84 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.50 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.6 | 0.0 | 0. | 0.00 |
| 567 | 10.200 | 33.35 | 0.00 | 1.00 | 0.00 | 6.63 | 8.52 | 0.00 | 10.82 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.50 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.5 | 0.0 | 0. | 0.00 |
| 568 | 10.100 | 33.27 | 0.00 | 1.00 | 0.00 | 6.61 | 8.50 | 0.00 | 10.79 | 0.00 | 0.32 | 0.11 | 0.36 | 0.79 | 0.50 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 569 | 10.000 | 33.19 | 0.00 | 1.00 | 0.00 | 6.59 | 8.49 | 0.00 | 10.77 | 0.00 | 0.32 | 0.11 | 0.36 | 0.78 | 0.50 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. | 0.00 |
| 570 | 9.900 | 33.11 | 0.00 | 1.00 | 0.00 | 6.57 | 8.47 | 0.00 | 10.74 | 0.00 | 0.32 | 0.11 | 0.36 | 0.78 | 0.50 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.3 | 0.0 | 0. | 0.00 |
| 571 | 9.800 | 33.03 | 0.00 | 1.00 | 0.00 | 6.55 | 8.45 | 0.00 | 10.72 | 0.00 | 0.32 | 0.11 | 0.35 | 0.78 | 0.50 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 572 | 9.700 | 32.95 | 0.00 | 1.00 | 0.00 | 6.53 | 8.43 | 0.00 | 10.69 | 0.00 | 0.32 | 0.11 | 0.35 | 0.77 | 0.50 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. | 0.00 |
| 573 | 9.600 | 32.87 | 0.00 | 1.00 | 0.00 | 6.51 | 8.42 | 0.00 | 10.67 | 0.00 | 0.32 | 0.10 | 0.35 | 0.77 | 0.50 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.1 | 0.0 | 0. | 0.00 |
| 574 | 9.500 | 32.79 | 0.00 | 1.00 | 0.00 | 6.50 | 8.40 | 0.00 | 10.65 | 0.00 | 0.32 | 0.10 | 0.35 | 0.77 | 0.50 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 575 | 9.400 | 32.71 | 0.00 | 1.00 | 0.00 | 6.48 | 8.38 | 0.00 | 10.62 | 0.00 | 0.32 | 0.10 | 0.35 | 0.77 | 0.50 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. | 0.00 |
| 576 | 9.300 | 32.63 | 0.00 | 1.00 | 0.00 | 6.47 | 8.37 | 0.00 | 10.60 | 0.00 | 0.32 | 0.10 | 0.34 | 0.76 | 0.49 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.9 | 0.0 | 0. | 0.00 |
| 577 | 9.200 | 32.56 | 0.00 | 1.00 | 0.00 | 6.46 | 8.35 | 0.00 | 10.57 | 0.00 | 0.32 | 0.10 | 0.34 | 0.76 | 0.49 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.8 | 0.0 | 0. | 0.00 |
| 578 | 9.100 | 32.48 | 0.00 | 1.00 | 0.00 | 6.44 | 8.33 | 0.00 | 10.55 | 0.00 | 0.32 | 0.10 | 0.34 | 0.76 | 0.49 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.7 | 0.0 | 0. | 0.00 |
| 579 | 9.000 | 32.40 | 0.00 | 1.00 | 0.00 | 6.43 | 8.32 | 0.00 | 10.53 | 0.00 | 0.32 | 0.10 | 0.34 | 0.76 | 0.49 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.7 | 0.0 | 0. | 0.00 |
| 580 | 8.900 | 32.32 | 0.00 | 1.00 | 0.00 | 6.42 | 8.30 | 0.00 | 10.50 | 0.00 | 0.32 | 0.10 | 0.34 | 0.75 | 0.49 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.6 | 0.0 | 0. | 0.00 |
| 581 | 8.800 | 32.24 | 0.00 | 1.00 | 0.00 | 6.41 | 8.28 | 0.00 | 10.48 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.49 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |
| 582 | 8.700 | 32.16 | 0.00 | 1.00 | 0.00 | 6.40 | 8.27 | 0.00 | 10.45 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.49 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.5 | 0.0 | 0. | 0.00 |
| 583 | 8.600 | 32.08 | 0.00 | 1.00 | 0.00 | 6.39 | 8.25 | 0.00 | 10.43 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.49 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.4 | 0.0 | 0. | 0.00 |
| 584 | 8.500 | 32.00 | 0.00 | 1.00 | 0.00 | 6.39 | 8.23 | 0.00 | 10.41 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.49 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.3 | 0.0 | 0. | 0.00 |
| 585 | 8.400 | 31.92 | 0.00 | 1.00 | 0.00 | 6.38 | 8.21 | 0.00 | 10.37 | 0.00 | 0.32 | 0.10 | 0.33 | 0.75 | 0.49 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.3 | 0.0 | 0. | 0.00 |
| 586 | 8.300 | 31.84 | 0.00 | 1.00 | 0.00 | 6.38 | 8.18 | 0.00 | 10.34 | 0.00 | 0.32 | 0.10 | 0.32 | 0.74 | 0.49 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.2 | 0.0 | 0. | 0.00 |
| 587 | 8.200 | 31.77 | 0.00 | 1.00 | 0.00 | 6.38 | 8.15 | 0.00 | 10.30 | 0.00 | 0.32 | 0.10 | 0.32 | 0.74 | 0.49 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 588 | 8.100 | 31.69 | 0.00 | 1.00 | 0.00 | 6.38 | 8.12 | 0.00 | 10.26 | 0.00 | 0.32 | 0.10 | 0.32 | 0.73 | 0.49 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 589 | 8.000 | 31.61 | 0.00 | 1.00 | 0.00 | 6.38 | 8.09 | 0.00 | 10.22 | 0.00 | 0.32 | 0.10 | 0.31 | 0.73 | 0.49 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0.0 | 0.00 |
| 590 | 7.900 | 31.53 | 0.00 | 1.00 | 0.00 | 6.39 | 8.05 | 0.00 | 10.17 | 0.00 | 0.32 | 0.09 | 0.31 | 0.72 | 0.49 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.9 | 0.0 | 0.0 | 0.00 |
| 591 | 7.800 | 31.45 | 0.00 | 1.00 | 0.00 | 6.40 | 8.00 | 0.00 | 10.12 | 0.00 | 0.32 | 0.09 | 0.30 | 0.72 | 0.49 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0.0 | 0.00 |
| 592 | 7.700 | 31.37 | 0.00 | 1.00 | 0.00 | 6.42 | 7.94 | 0.00 | 10.05 | 0.00 | 0.32 | 0.09 | 0.30 | 0.71 | 0.49 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0.0 | 0.00 |
| 593 | 7.600 | 31.29 | 0.00 | 1.00 | 0.00 | 6.44 | 7.88 | 0.00 | 9.98 | 0.00 | 0.32 | 0.09 | 0.29 | 0.70 | 0.49 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.7 | 0.0 | 0.0 | 0.00 |
| 594 | 7.500 | 31.21 | 0.00 | 1.00 | 0.00 | 6.46 | 7.80 | 0.00 | 9.90 | 0.00 | 0.32 | 0.09 | 0.28 | 0.69 | 0.49 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0.0 | 0.00 |
| 595 | 7.400 | 31.13 | 0.00 | 1.00 | 0.00 | 6.50 | 7.71 | 0.00 | 9.80 | 0.00 | 0.32 | 0.09 | 0.27 | 0.68 | 0.49 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0.0 | 0.00 |
| 596 | 7.300 | 31.05 | 0.00 | 1.00 | 0.00 | 6.54 | 7.60 | 0.00 | 9.69 | 0.00 | 0.32 | 0.08 | 0.26 | 0.67 | 0.49 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.5 | 0.0 | 0.0 | 0.00 |
| 597 | 7.200 | 30.97 | 0.00 | 1.00 | 0.00 | 6.60 | 7.47 | 0.00 | 9.55 | 0.00 | 0.32 | 0.08 | 0.25 | 0.65 | 0.48 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.4 | 0.0 | 0.0 | 0.00 |
| 598 | 7.100 | 30.90 | 0.00 | 1.00 | 0.00 | 6.67 | 7.32 | 0.00 | 9.38 | 0.00 | 0.32 | 0.08 | 0.23 | 0.63 | 0.48 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.3 | 0.0 | 0.0 | 0.00 |
| 599 | 7.000 | 30.82 | 0.00 | 1.00 | 0.00 | 6.76 | 7.12 | 0.00 | 9.18 | 0.00 | 0.32 | 0.07 | 0.21 | 0.61 | 0.48 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.3 | 0.0 | 0.0 | 0.00 |
| 600 | 6.900 | 30.74 | 0.00 | 1.00 | 0.00 | 6.88 | 6.89 | 0.00 | 8.94 | 0.00 | 0.32 | 0.07 | 0.19 | 0.58 | 0.48 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.2 | 0.0 | 0.0 | 0.00 |
| 601 | 6.800 | 30.66 | 0.00 | 1.00 | 0.00 | 7.03 | 6.60 | 0.00 | 8.64 | 0.00 | 0.32 | 0.06 | 0.16 | 0.55 | 0.48 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0.0 | 0.00 |
| 602 | 6.700 | 30.58 | 0.00 | 1.00 | 0.00 | 7.23 | 6.24 | 0.00 | 8.28 | 0.00 | 0.32 | 0.06 | 0.12 | 0.50 | 0.48 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0.0 | 0.00 |
| 603 | 6.600 | 30.50 | 0.00 | 1.00 | 0.00 | 7.47 | 5.81 | 0.00 | 7.84 | 0.00 | 0.32 | 0.05 | 0.08 | 0.45 | 0.49 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 562 | 10.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 563 | 10.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 564 | 10.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 565 | 10.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 566 | 10.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 567 | 10.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 568 | 10.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 569 | 10.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 570 | 9.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 571 | 9.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 572 | 9.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 573 | 9.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 574 | 9.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 575 | 9.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 576 | 9.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 577 | 9.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 578 | 9.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 579 | 9.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 580 | 8.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 581 | 8.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 582 | 8.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 583 | 8.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 584 | 8.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 585 | 8.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 586 | 8.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 587 | 8.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 588 | 8.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 589 | 8.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 590 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 591 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 592 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 593 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 594 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 595 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 596 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 597 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 598 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 599 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 600 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 601 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 602 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 603 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 9 Pontchatoula (YWR to base) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | UPR RCH | 0.52774 | 30.50 | 0.00 | 1.00 | 0.00 | 7.47 | 5.81 | 0.00 | 7.84 | 0.00 | 0.32 | 0.05 | 0.08 | 0.00 | 19.00 | 0.00 | 0.00 |
| 613 | WSTLD | 0.00129 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 21.10 | 0.00 | 21.10 | 0.00 | 1.52 | 3.06 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.60 | 6.50 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.03 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 3115.38 | 0.002 | 35.000 | 0.007 |
| 605 | 6.50 | 6.40 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.20 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 3478.12 | 0.002 | 35.000 | 0.007 |
| 606 | 6.40 | 6.30 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.38 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 3840.86 | 0.002 | 35.000 | 0.007 |
| 607 | 6.30 | 6.20 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.55 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 4203.60 | 0.002 | 35.000 | 0.007 |
| 608 | 6.20 | 6.10 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.72 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 4566.34 | 0.003 | 35.000 | 0.007 |
| 609 | 6.10 | 6.00 | 0.52774 | 1.8 | 0.00664 | 0.17 | 32.90 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 4929.08 | 0.003 | 35.000 | 0.007 |
| 610 | 6.00 | 5.90 | 0.52774 | 1.8 | 0.00664 | 0.17 | 33.07 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 5291.82 | 0.003 | 35.000 | 0.007 |
| 611 | 5.90 | 5.80 | 0.52774 | 1.8 | 0.00664 | 0.17 | 33.25 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 5654.56 | 0.003 | 35.000 | 0.007 |
| 612 | 5.80 | 5.70 | 0.52774 | 1.8 | 0.00664 | 0.17 | 33.42 | 1.53 | 51.82 | 7942.23 | 5182.00 | 79.42 | 6017.30 | 0.004 | 35.000 | 0.007 |
| 613 | 5.70 | 5.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 33.59 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 6380.04 | 0.004 | 35.000 | 0.007 |
| 614 | 5.60 | 5.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 33.77 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 6742.79 | 0.004 | 35.000 | 0.007 |
| 615 | 5.50 | 5.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 33.94 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 7105.53 | 0.004 | 35.000 | 0.007 |
| 616 | 5.40 | 5.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.12 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 7468.27 | 0.004 | 35.000 | 0.007 |
| 617 | 5.30 | 5.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.29 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 7831.01 | 0.005 | 35.000 | 0.007 |
| 618 | 5.20 | 5.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.46 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 8193.75 | 0.005 | 35.000 | 0.007 |
| 619 | 5.10 | 5.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.64 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 8556.49 | 0.005 | 35.000 | 0.007 |
| 620 | 5.00 | 4.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.81 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 8919.23 | 0.005 | 35.000 | 0.007 |
| 621 | 4.90 | 4.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 34.98 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 9281.97 | 0.005 | 35.000 | 0.007 |
| 622 | 4.80 | 4.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.16 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 9644.71 | 0.006 | 35.000 | 0.007 |
| 623 | 4.70 | 4.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.33 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 10007.45 | 0.006 | 35.000 | 0.007 |
| 624 | 4.60 | 4.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.51 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 10370.19 | 0.006 | 35.000 | 0.008 |
| 625 | 4.50 | 4.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.68 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 10732.93 | 0.006 | 35.000 | 0.008 |
| 626 | 4.40 | 4.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 35.85 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 11095.67 | 0.006 | 35.000 | 0.008 |
| 627 | 4.30 | 4.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.03 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 11458.41 | 0.007 | 35.000 | 0.008 |
| 628 | 4.20 | 4.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.20 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 11821.15 | 0.007 | 35.000 | 0.008 |
| 629 | 4.10 | 4.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.38 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 12183.89 | 0.007 | 35.000 | 0.008 |
| 630 | 4.00 | 3.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.55 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 12546.63 | 0.007 | 35.000 | 0.009 |
| 631 | 3.90 | 3.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.72 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 12909.37 | 0.008 | 35.000 | 0.009 |
| 632 | 3.80 | 3.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 36.90 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 13272.11 | 0.008 | 35.000 | 0.009 |
| 633 | 3.70 | 3.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.07 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 13634.85 | 0.008 | 35.000 | 0.009 |
| 634 | 3.60 | 3.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.24 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 13997.59 | 0.008 | 35.000 | 0.009 |
| 635 | 3.50 | 3.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.42 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 14360.33 | 0.008 | 35.000 | 0.009 |
| 636 | 3.40 | 3.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.59 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 14723.07 | 0.009 | 35.000 | 0.010 |
| 637 | 3.30 | 3.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.77 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 15085.81 | 0.009 | 35.000 | 0.010 |
| 638 | 3.20 | 3.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 37.94 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 15448.55 | 0.009 | 35.000 | 0.010 |
| 639 | 3.10 | 3.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.11 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 15811.29 | 0.009 | 35.000 | 0.010 |
| 640 | 3.00 | 2.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.29 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 16174.03 | 0.009 | 35.000 | 0.010 |
| 641 | 2.90 | 2.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.46 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 16536.77 | 0.010 | 35.000 | 0.011 |
| 642 | 2.80 | 2.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.63 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 16899.51 | 0.010 | 35.000 | 0.011 |
| 643 | 2.70 | 2.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.81 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 17262.25 | 0.010 | 35.000 | 0.011 |
| 644 | 2.60 | 2.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 38.98 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 17624.99 | 0.010 | 35.000 | 0.011 |
| 645 | 2.50 | 2.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.16 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 17987.73 | 0.010 | 35.000 | 0.011 |
| 646 | 2.40 | 2.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.33 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 18350.47 | 0.011 | 35.000 | 0.012 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 647 | 2.30 | 2.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.50 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 18713.21 | 0.011 | 35.000 | 0.012 |
| 648 | 2.20 | 2.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.68 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 19075.95 | 0.011 | 35.000 | 0.012 |
| 649 | 2.10 | 2.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 39.85 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 19438.69 | 0.011 | 35.000 | 0.012 |
| 650 | 2.00 | 1.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.03 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 19801.43 | 0.012 | 35.000 | 0.012 |
| 651 | 1.90 | 1.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.20 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 20164.17 | 0.012 | 35.000 | 0.013 |
| 652 | 1.80 | 1.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.37 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 20526.91 | 0.012 | 35.000 | 0.013 |
| 653 | 1.70 | 1.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.55 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 20889.65 | 0.012 | 35.000 | 0.013 |
| 654 | 1.60 | 1.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.72 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 21252.39 | 0.012 | 35.000 | 0.013 |
| 655 | 1.50 | 1.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 40.89 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 21615.13 | 0.013 | 35.000 | 0.013 |
| 656 | 1.40 | 1.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.07 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 21977.88 | 0.013 | 35.000 | 0.014 |
| 657 | 1.30 | 1.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.24 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 22340.62 | 0.013 | 35.000 | 0.014 |
| 658 | 1.20 | 1.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.42 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 22703.36 | 0.013 | 35.000 | 0.014 |
| 659 | 1.10 | 1.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.59 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 23066.10 | 0.013 | 35.000 | 0.014 |
| 660 | 1.00 | 0.90 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.76 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 23428.84 | 0.014 | 35.000 | 0.014 |
| 661 | 0.90 | 0.80 | 0.52903 | 2.0 | 0.00666 | 0.17 | 41.94 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 23791.58 | 0.014 | 35.000 | 0.015 |
| 662 | 0.80 | 0.70 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.11 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 24154.32 | 0.014 | 35.000 | 0.015 |
| 663 | 0.70 | 0.60 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.28 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 24517.06 | 0.014 | 35.000 | 0.015 |
| 664 | 0.60 | 0.50 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.46 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 24879.80 | 0.014 | 35.000 | 0.015 |
| 665 | 0.50 | 0.40 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.63 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 25242.54 | 0.015 | 35.000 | 0.015 |
| 666 | 0.40 | 0.30 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.81 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 25605.28 | 0.015 | 35.000 | 0.016 |
| 667 | 0.30 | 0.20 | 0.52903 | 2.0 | 0.00666 | 0.17 | 42.98 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 25968.02 | 0.015 | 35.000 | 0.016 |
| 668 | 0.20 | 0.10 | 0.52903 | 2.0 | 0.00666 | 0.17 | 43.15 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 26330.76 | 0.015 | 35.000 | 0.016 |
| 669 | 0.10 | 0.00 | 0.52903 | 2.0 | 0.00666 | 0.17 | 43.33 | 1.53 | 51.82 | 7944.71 | 5182.00 | 79.45 | 26693.50 | 0.016 | 35.000 | 0.016 |
| TOT | | | | | | 11.48 | | | | 524328.75 | 342012.00 | | | | | |
| AVG | | | | | 0.0067 | | | 1.53 | 51.82 | | | 79.44 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 605 | 6.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 606 | 6.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 607 | 6.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 608 | 6.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 609 | 6.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 610 | 5.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 611 | 5.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 612 | 5.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 613 | 5.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 614 | 5.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 615 | 5.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 616 | 5.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 617 | 5.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 618 | 5.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 619 | 5.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 620 | 4.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 621 | 4.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 622 | 4.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 623 | 4.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 624 | 4.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 625 | 4.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 626 | 4.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 627 | 4.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 628 | 4.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 629 | 4.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 630 | 3.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 631 | 3.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 632 | 3.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 633 | 3.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 634 | 3.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 635 | 3.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 636 | 3.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 637 | 3.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 638 | 3.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 639 | 3.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 640 | 2.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 641 | 2.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 642 | 2.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 643 | 2.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 644 | 2.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 645 | 2.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 646 | 2.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 647 | 2.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 648 | 2.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 649 | 2.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 650 | 1.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 651 | 1.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 652 | 1.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 653 | 1.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 654 | 1.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 655 | 1.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 656 | 1.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 657 | 1.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 658 | 1.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 659 | 1.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 660 | 0.900 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 661 | 0.800 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 662 | 0.700 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 663 | 0.600 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 664 | 0.500 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 665 | 0.400 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 666 | 0.300 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 667 | 0.200 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 668 | 0.100 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 669 | 0.000 | 7.49 | 0.55 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.85 | 0.85 | 0.01 | 0.00 | 0.42 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.46 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 30.50 | 0.00 | 1.00 | 0.00 | 7.52 | 5.73 | 0.00 | 7.76 | 0.00 | 0.32 | 0.05 | 0.07 | 0.44 | 0.49 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 605 | 6.400 | 30.50 | 0.00 | 1.00 | 0.00 | 7.54 | 5.69 | 0.00 | 7.72 | 0.00 | 0.32 | 0.04 | 0.07 | 0.44 | 0.49 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 606 | 6.300 | 30.50 | 0.00 | 1.00 | 0.00 | 7.57 | 5.65 | 0.00 | 7.67 | 0.00 | 0.32 | 0.04 | 0.06 | 0.43 | 0.49 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 607 | 6.200 | 30.50 | 0.00 | 1.00 | 0.00 | 7.59 | 5.60 | 0.00 | 7.63 | 0.00 | 0.32 | 0.04 | 0.06 | 0.43 | 0.49 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 608 | 6.100 | 30.50 | 0.00 | 1.00 | 0.00 | 7.61 | 5.57 | 0.00 | 7.59 | 0.00 | 0.32 | 0.04 | 0.05 | 0.42 | 0.49 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 609 | 6.000 | 30.50 | 0.00 | 1.00 | 0.00 | 7.63 | 5.53 | 0.00 | 7.56 | 0.00 | 0.32 | 0.04 | 0.05 | 0.42 | 0.49 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 610 | 5.900 | 30.50 | 0.00 | 1.00 | 0.00 | 7.66 | 5.49 | 0.00 | 7.52 | 0.00 | 0.32 | 0.04 | 0.05 | 0.41 | 0.49 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 611 | 5.800 | 30.50 | 0.00 | 1.00 | 0.00 | 7.67 | 5.45 | 0.00 | 7.48 | 0.00 | 0.33 | 0.04 | 0.04 | 0.41 | 0.49 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 612 | 5.700 | 30.50 | 0.00 | 1.00 | 0.00 | 7.69 | 5.42 | 0.00 | 7.45 | 0.00 | 0.33 | 0.04 | 0.04 | 0.40 | 0.49 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 613 | 5.600 | 30.50 | 0.00 | 1.00 | 0.00 | 7.71 | 5.38 | 0.00 | 7.41 | 0.00 | 0.33 | 0.04 | 0.04 | 0.40 | 0.49 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 614 | 5.500 | 30.50 | 0.00 | 1.00 | 0.00 | 7.73 | 5.35 | 0.00 | 7.38 | 0.00 | 0.33 | 0.04 | 0.03 | 0.40 | 0.49 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 615 | 5.400 | 30.50 | 0.00 | 1.00 | 0.00 | 7.75 | 5.32 | 0.00 | 7.35 | 0.00 | 0.33 | 0.04 | 0.03 | 0.39 | 0.49 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 616 | 5.300 | 30.50 | 0.00 | 1.00 | 0.00 | 7.76 | 5.28 | 0.00 | 7.31 | 0.00 | 0.33 | 0.04 | 0.03 | 0.39 | 0.49 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 617 | 5.200 | 30.50 | 0.00 | 1.00 | 0.00 | 7.78 | 5.25 | 0.00 | 7.28 | 0.00 | 0.33 | 0.04 | 0.02 | 0.39 | 0.49 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 618 | 5.100 | 30.50 | 0.00 | 1.00 | 0.00 | 7.79 | 5.22 | 0.00 | 7.25 | 0.00 | 0.33 | 0.04 | 0.02 | 0.38 | 0.49 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 619 | 5.000 | 30.50 | 0.00 | 1.00 | 0.00 | 7.80 | 5.19 | 0.00 | 7.22 | 0.00 | 0.33 | 0.04 | 0.02 | 0.38 | 0.49 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 620 | 4.900 | 30.50 | 0.00 | 1.00 | 0.00 | 7.82 | 5.17 | 0.00 | 7.19 | 0.00 | 0.33 | 0.03 | 0.02 | 0.38 | 0.49 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |
| 621 | 4.800 | 30.50 | 0.00 | 1.00 | 0.00 | 7.83 | 5.14 | 0.00 | 7.17 | 0.00 | 0.33 | 0.03 | 0.01 | 0.38 | 0.49 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 622 | 4.700 | 30.50 | 0.00 | 1.00 | 0.00 | 7.84 | 5.11 | 0.00 | 7.14 | 0.00 | 0.33 | 0.03 | 0.01 | 0.37 | 0.49 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 623 | 4.600 | 30.50 | 0.00 | 1.00 | 0.00 | 7.85 | 5.09 | 0.00 | 7.12 | 0.00 | 0.33 | 0.03 | 0.01 | 0.37 | 0.49 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 624 | 4.500 | 30.50 | 0.00 | 1.00 | 0.00 | 7.86 | 5.06 | 0.00 | 7.09 | 0.00 | 0.33 | 0.03 | 0.01 | 0.37 | 0.49 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 625 | 4.400 | 30.50 | 0.00 | 1.00 | 0.00 | 7.87 | 5.04 | 0.00 | 7.07 | 0.00 | 0.33 | 0.03 | 0.01 | 0.37 | 0.49 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 626 | 4.300 | 30.50 | 0.00 | 1.00 | 0.00 | 7.87 | 5.02 | 0.00 | 7.05 | 0.00 | 0.33 | 0.03 | 0.00 | 0.37 | 0.49 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 627 | 4.200 | 30.50 | 0.00 | 1.00 | 0.00 | 7.88 | 5.00 | 0.00 | 7.03 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.49 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 628 | 4.100 | 30.50 | 0.00 | 1.00 | 0.00 | 7.89 | 4.98 | 0.00 | 7.01 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.49 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 629 | 4.000 | 30.50 | 0.00 | 1.00 | 0.00 | 7.89 | 4.96 | 0.00 | 6.99 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.49 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 630 | 3.900 | 30.50 | 0.00 | 1.00 | 0.00 | 7.90 | 4.94 | 0.00 | 6.97 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.49 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 631 | 3.800 | 30.50 | 0.00 | 1.00 | 0.00 | 7.90 | 4.92 | 0.00 | 6.95 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.49 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 632 | 3.700 | 30.50 | 0.00 | 1.00 | 0.00 | 7.90 | 4.91 | 0.00 | 6.94 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.49 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 633 | 3.600 | 30.50 | 0.00 | 1.00 | 0.00 | 7.90 | 4.90 | 0.00 | 6.92 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.49 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 634 | 3.500 | 30.50 | 0.00 | 1.00 | 0.00 | 7.90 | 4.88 | 0.00 | 6.91 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 635 | 3.400 | 30.50 | 0.00 | 1.00 | 0.00 | 7.90 | 4.87 | 0.00 | 6.90 | 0.00 | 0.33 | 0.03 | 0.00 | 0.36 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 636 | 3.300 | 30.50 | 0.00 | 1.00 | 0.00 | 7.90 | 4.86 | 0.00 | 6.89 | 0.00 | 0.34 | 0.03 | 0.00 | 0.36 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 637 | 3.200 | 30.50 | 0.00 | 1.00 | 0.00 | 7.90 | 4.85 | 0.00 | 6.88 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 638 | 3.100 | 30.50 | 0.00 | 1.00 | 0.00 | 7.89 | 4.84 | 0.00 | 6.87 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 639 | 3.000 | 30.50 | 0.00 | 1.00 | 0.00 | 7.89 | 4.84 | 0.00 | 6.86 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 640 | 2.900 | 30.50 | 0.00 | 1.00 | 0.00 | 7.88 | 4.83 | 0.00 | 6.86 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 641 | 2.800 | 30.50 | 0.00 | 1.00 | 0.00 | 7.87 | 4.83 | 0.00 | 6.85 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 642 | 2.700 | 30.50 | 0.00 | 1.00 | 0.00 | 7.86 | 4.82 | 0.00 | 6.85 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 643 | 2.600 | 30.50 | 0.00 | 1.00 | 0.00 | 7.85 | 4.82 | 0.00 | 6.85 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 644 | 2.500 | 30.50 | 0.00 | 1.00 | 0.00 | 7.84 | 4.82 | 0.00 | 6.85 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 645 | 2.400 | 30.50 | 0.00 | 1.00 | 0.00 | 7.83 | 4.82 | 0.00 | 6.85 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.50 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 646 | 2.300 | 30.50 | 0.00 | 1.00 | 0.00 | 7.81 | 4.83 | 0.00 | 6.85 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.51 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 647 | 2.200 | 30.50 | 0.00 | 1.00 | 0.00 | 7.80 | 4.83 | 0.00 | 6.86 | 0.00 | 0.34 | 0.03 | 0.00 | 0.37 | 0.51 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 648 | 2.100 | 30.50 | 0.00 | 1.00 | 0.00 | 7.78 | 4.84 | 0.00 | 6.86 | 0.00 | 0.35 | 0.03 | 0.00 | 0.37 | 0.51 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 649 | 2.000 | 30.50 | 0.00 | 1.00 | 0.00 | 7.76 | 4.84 | 0.00 | 6.87 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.51 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 650 | 1.900 | 30.50 | 0.00 | 1.00 | 0.00 | 7.74 | 4.85 | 0.00 | 6.88 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.51 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 651 | 1.800 | 30.50 | 0.00 | 1.00 | 0.00 | 7.72 | 4.86 | 0.00 | 6.89 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.51 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 652 | 1.700 | 30.50 | 0.00 | 1.00 | 0.00 | 7.70 | 4.87 | 0.00 | 6.90 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.51 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 653 | 1.600 | 30.50 | 0.00 | 1.00 | 0.00 | 7.67 | 4.89 | 0.00 | 6.92 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.51 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 654 | 1.500 | 30.50 | 0.00 | 1.00 | 0.00 | 7.64 | 4.90 | 0.00 | 6.93 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.51 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 655 | 1.400 | 30.50 | 0.00 | 1.00 | 0.00 | 7.61 | 4.92 | 0.00 | 6.95 | 0.00 | 0.35 | 0.03 | 0.00 | 0.38 | 0.52 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 656 | 1.300 | 30.50 | 0.00 | 1.00 | 0.00 | 7.58 | 4.94 | 0.00 | 6.97 | 0.00 | 0.36 | 0.03 | 0.00 | 0.39 | 0.52 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 657 | 1.200 | 30.50 | 0.00 | 1.00 | 0.00 | 7.55 | 4.96 | 0.00 | 6.99 | 0.00 | 0.36 | 0.03 | 0.00 | 0.39 | 0.52 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |
| 658 | 1.100 | 30.50 | 0.00 | 1.00 | 0.00 | 7.51 | 4.98 | 0.00 | 7.01 | 0.00 | 0.36 | 0.03 | 0.00 | 0.39 | 0.52 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 659 | 1.000 | 30.50 | 0.00 | 1.00 | 0.00 | 7.47 | 5.01 | 0.00 | 7.04 | 0.00 | 0.36 | 0.03 | 0.01 | 0.40 | 0.52 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 660 | 0.900 | 30.50 | 0.00 | 1.00 | 0.00 | 7.43 | 5.03 | 0.00 | 7.06 | 0.00 | 0.36 | 0.03 | 0.01 | 0.41 | 0.52 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 661 | 0.800 | 30.50 | 0.00 | 1.00 | 0.00 | 7.39 | 5.06 | 0.00 | 7.09 | 0.00 | 0.36 | 0.03 | 0.02 | 0.41 | 0.52 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 662 | 0.700 | 30.50 | 0.00 | 1.00 | 0.00 | 7.34 | 5.09 | 0.00 | 7.12 | 0.00 | 0.36 | 0.03 | 0.02 | 0.42 | 0.53 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 663 | 0.600 | 30.50 | 0.00 | 1.00 | 0.00 | 7.29 | 5.13 | 0.00 | 7.16 | 0.00 | 0.37 | 0.03 | 0.03 | 0.43 | 0.53 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 664 | 0.500 | 30.50 | 0.00 | 1.00 | 0.00 | 7.24 | 5.16 | 0.00 | 7.19 | 0.00 | 0.37 | 0.03 | 0.04 | 0.44 | 0.53 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 665 | 0.400 | 30.50 | 0.00 | 1.00 | 0.00 | 7.18 | 5.20 | 0.00 | 7.23 | 0.00 | 0.37 | 0.04 | 0.04 | 0.45 | 0.53 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 666 | 0.300 | 30.50 | 0.00 | 1.00 | 0.00 | 7.12 | 5.24 | 0.00 | 7.27 | 0.00 | 0.37 | 0.04 | 0.05 | 0.46 | 0.53 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 667 | 0.200 | 30.50 | 0.00 | 1.00 | 0.00 | 7.06 | 5.28 | 0.00 | 7.31 | 0.00 | 0.37 | 0.04 | 0.06 | 0.47 | 0.53 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 668 | 0.100 | 30.50 | 0.00 | 1.00 | 0.00 | 6.99 | 5.32 | 0.00 | 7.35 | 0.00 | 0.37 | 0.04 | 0.07 | 0.48 | 0.54 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |
| 669 | 0.000 | 30.50 | 0.00 | 1.00 | 0.00 | 6.92 | 5.37 | 0.00 | 7.40 | 0.00 | 0.38 | 0.04 | 0.08 | 0.49 | 0.54 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 605 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 606 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 607 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 608 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 609 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 610 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 611 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 612 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 613 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 614 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 615 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 616 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 617 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 618 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 619 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 620 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 621 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 622 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 623 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 624 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 625 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 626 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 627 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 628 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 629 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 630 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 631 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 632 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 633 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 634 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 635 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 636 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 637 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 638 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 639 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 640 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 641 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 642 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 643 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 644 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 645 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 646 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 647 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 648 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 649 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 650 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 651 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 652 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 653 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 654 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 655 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 656 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 657 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 658 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 659 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 660 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 661 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 662 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 663 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 664 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 665 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 666 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 667 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 668 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 669 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Trib. LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 2 Pontchatoula Trib. TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | HDWTR | 0.00283 | 29.80 | 0.00 | 0.00 | 0.00 | 6.85 | 5.91 | 0.00 | 6.55 | 0.00 | 1.18 | 0.04 | 0.02 | 0.00 | 6.00 | 0.00 | 0.00 |
| 193 | WSTLD | 0.00386 | 26.80 | 0.00 | 0.00 | 0.00 | 5.00 | 6.55 | 0.00 | 6.55 | 0.00 | 1.19 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | WSTLD | 0.00386 | 29.80 | 0.00 | 0.00 | 0.00 | 5.00 | 6.85 | 0.00 | 6.85 | 0.00 | 0.51 | 0.99 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 8.00 | 7.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.05 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 124 | 7.90 | 7.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.11 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 125 | 7.80 | 7.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.16 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 126 | 7.70 | 7.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.22 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 127 | 7.60 | 7.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.27 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 128 | 7.50 | 7.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.33 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 129 | 7.40 | 7.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.38 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 130 | 7.30 | 7.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.44 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 131 | 7.20 | 7.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.49 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 132 | 7.10 | 7.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.55 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 133 | 7.00 | 6.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.60 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 134 | 6.90 | 6.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.65 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 135 | 6.80 | 6.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.71 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 136 | 6.70 | 6.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.76 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 137 | 6.60 | 6.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.82 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 138 | 6.50 | 6.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.87 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 139 | 6.40 | 6.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.93 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 140 | 6.30 | 6.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 0.98 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 141 | 6.20 | 6.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.04 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 142 | 6.10 | 6.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.09 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 143 | 6.00 | 5.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.15 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 144 | 5.90 | 5.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.20 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 145 | 5.80 | 5.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.25 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 146 | 5.70 | 5.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.31 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 147 | 5.60 | 5.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.36 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 148 | 5.50 | 5.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.42 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 149 | 5.40 | 5.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.47 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 150 | 5.30 | 5.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.53 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 151 | 5.20 | 5.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.58 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 152 | 5.10 | 5.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.64 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 153 | 5.00 | 4.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.69 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 154 | 4.90 | 4.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.75 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 155 | 4.80 | 4.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.80 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 156 | 4.70 | 4.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.85 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 157 | 4.60 | 4.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.91 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 158 | 4.50 | 4.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 1.96 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 159 | 4.40 | 4.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.02 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 160 | 4.30 | 4.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.07 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 161 | 4.20 | 4.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.13 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 162 | 4.10 | 4.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.18 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 163 | 4.00 | 3.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.24 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 164 | 3.90 | 3.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.29 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 165 | 3.80 | 3.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.35 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 166 | 3.70 | 3.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.40 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 167 | 3.60 | 3.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.45 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 168 | 3.50 | 3.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.51 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 169 | 3.40 | 3.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.56 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 170 | 3.30 | 3.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.62 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 171 | 3.20 | 3.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.67 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 172 | 3.10 | 3.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.73 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 173 | 3.00 | 2.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.78 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 174 | 2.90 | 2.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.84 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 175 | 2.80 | 2.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.89 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 176 | 2.70 | 2.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 2.95 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 177 | 2.60 | 2.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.00 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 178 | 2.50 | 2.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.05 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 179 | 2.40 | 2.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.11 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 180 | 2.30 | 2.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.16 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 181 | 2.20 | 2.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.22 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 182 | 2.10 | 2.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.27 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 183 | 2.00 | 1.90 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.33 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 184 | 1.90 | 1.80 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.38 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 185 | 1.80 | 1.70 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.44 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 186 | 1.70 | 1.60 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.49 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 187 | 1.60 | 1.50 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.54 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 188 | 1.50 | 1.40 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.60 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 189 | 1.40 | 1.30 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.65 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 190 | 1.30 | 1.20 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.71 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 191 | 1.20 | 1.10 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.76 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 192 | 1.10 | 1.00 | 0.00283 | 0.0 | 0.02122 | 0.05 | 3.82 | 0.15 | 0.91 | 13.34 | 91.00 | 0.13 | 0.00 | 0.000 | 0.000 | 0.021 |
| 193 | 1.00 | 0.90 | 0.00669 | 57.7 | 0.04495 | 0.03 | 3.84 | 0.16 | 0.91 | 14.88 | 91.00 | 0.15 | 0.00 | 0.000 | 0.000 | 0.045 |
| 194 | 0.90 | 0.80 | 0.00669 | 57.7 | 0.04495 | 0.03 | 3.87 | 0.16 | 0.91 | 14.88 | 91.00 | 0.15 | 0.00 | 0.000 | 0.000 | 0.045 |
| 195 | 0.80 | 0.70 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.89 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 196 | 0.70 | 0.60 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.90 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 197 | 0.60 | 0.50 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.92 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 198 | 0.50 | 0.40 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.94 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 199 | 0.40 | 0.30 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.96 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 200 | 0.30 | 0.20 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.97 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 201 | 0.20 | 0.10 | 0.01055 | 73.2 | 0.06688 | 0.02 | 3.99 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| 202 | 0.10 | 0.00 | 0.01055 | 73.2 | 0.06688 | 0.02 | 4.01 | 0.17 | 0.91 | 15.78 | 91.00 | 0.16 | 0.00 | 0.000 | 0.000 | 0.067 |
| TOT | | | | | | 4.01 | | | | 1089.42 | 7280.00 | | | | | |
| AVG | | | | | 0.0231 | | | 0.15 | 0.91 | | | 0.14 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 7.800 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 7.700 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 7.600 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 7.500 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 7.400 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 7.300 | 7.58 | 7.91 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 7.200 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 7.100 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 7.000 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133 | 6.900 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 6.800 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 6.700 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 6.600 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 6.500 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 6.400 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 6.300 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 6.200 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 6.100 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 6.000 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 5.900 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 5.800 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 5.700 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 5.600 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 5.500 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 5.400 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 5.300 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 5.200 | 7.58 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 5.100 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 5.000 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 4.900 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 4.800 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 4.700 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 4.600 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 4.500 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 4.400 | 7.57 | 7.92 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 4.300 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 4.200 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 4.100 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 4.000 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 3.900 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 3.800 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 3.700 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 3.600 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 3.500 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 3.400 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 3.300 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 3.200 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 3.100 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 3.000 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 2.900 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 2.800 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 2.700 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 2.600 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 2.500 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 2.400 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 2.300 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 2.200 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 2.100 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 2.000 | 7.57 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 1.900 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 1.800 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 1.700 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 1.600 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 1.500 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 1.400 | 7.56 | 7.93 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 1.300 | 7.56 | 7.94 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 1.200 | 7.56 | 7.94 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 1.100 | 7.56 | 7.94 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 1.000 | 7.56 | 7.94 | 0.05 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 0.900 | 7.56 | 9.60 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 0.800 | 7.56 | 9.60 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 0.700 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 0.600 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 0.500 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 0.400 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 0.300 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 0.200 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 0.100 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 0.000 | 7.56 | 11.24 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 6.91 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 29.80 | 0.00 | 1.00 | 0.00 | 7.08 | 5.87 | 0.00 | 6.50 | 0.00 | 1.13 | 0.04 | 0.02 | 1.19 | 1.18 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |
| 124 | 7.800 | 29.80 | 0.00 | 1.00 | 0.00 | 7.23 | 5.82 | 0.00 | 6.45 | 0.00 | 1.13 | 0.04 | 0.02 | 1.19 | 1.18 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. | 0.00 |
| 125 | 7.700 | 29.81 | 0.00 | 1.00 | 0.00 | 7.34 | 5.78 | 0.00 | 6.40 | 0.00 | 1.13 | 0.04 | 0.02 | 1.18 | 1.18 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.8 | 0.0 | 0. | 0.00 |
| 126 | 7.600 | 29.81 | 0.00 | 1.00 | 0.00 | 7.42 | 5.74 | 0.00 | 6.36 | 0.00 | 1.13 | 0.04 | 0.02 | 1.18 | 1.18 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.8 | 0.0 | 0. | 0.00 |
| 127 | 7.500 | 29.81 | 0.00 | 1.00 | 0.00 | 7.47 | 5.70 | 0.00 | 6.31 | 0.00 | 1.13 | 0.04 | 0.02 | 1.18 | 1.17 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. | 0.00 |
| 128 | 7.400 | 29.81 | 0.00 | 1.00 | 0.00 | 7.51 | 5.66 | 0.00 | 6.26 | 0.00 | 1.12 | 0.04 | 0.02 | 1.18 | 1.17 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. | 0.00 |
| 129 | 7.300 | 29.82 | 0.00 | 1.00 | 0.00 | 7.54 | 5.61 | 0.00 | 6.21 | 0.00 | 1.12 | 0.04 | 0.02 | 1.18 | 1.17 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.6 | 0.0 | 0. | 0.00 |
| 130 | 7.200 | 29.82 | 0.00 | 1.00 | 0.00 | 7.55 | 5.57 | 0.00 | 6.17 | 0.00 | 1.12 | 0.04 | 0.02 | 1.18 | 1.17 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.6 | 0.0 | 0. | 0.00 |
| 131 | 7.100 | 29.82 | 0.00 | 1.00 | 0.00 | 7.57 | 5.53 | 0.00 | 6.12 | 0.00 | 1.12 | 0.04 | 0.02 | 1.18 | 1.17 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.5 | 0.0 | 0. | 0.00 |
| 132 | 7.000 | 29.82 | 0.00 | 1.00 | 0.00 | 7.57 | 5.49 | 0.00 | 6.07 | 0.00 | 1.12 | 0.04 | 0.01 | 1.18 | 1.17 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.4 | 0.0 | 0. | 0.00 |
| 133 | 6.900 | 29.83 | 0.00 | 1.00 | 0.00 | 7.58 | 5.45 | 0.00 | 6.03 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 1.17 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.4 | 0.0 | 0. | 0.00 |
| 134 | 6.800 | 29.83 | 0.00 | 1.00 | 0.00 | 7.58 | 5.41 | 0.00 | 5.98 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 1.17 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. | 0.00 |
| 135 | 6.700 | 29.83 | 0.00 | 1.00 | 0.00 | 7.59 | 5.37 | 0.00 | 5.94 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 1.16 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. | 0.00 |
| 136 | 6.600 | 29.83 | 0.00 | 1.00 | 0.00 | 7.59 | 5.33 | 0.00 | 5.89 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 1.16 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. | 0.00 |
| 137 | 6.500 | 29.84 | 0.00 | 1.00 | 0.00 | 7.59 | 5.30 | 0.00 | 5.85 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 1.16 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. | 0.00 |
| 138 | 6.400 | 29.84 | 0.00 | 1.00 | 0.00 | 7.59 | 5.26 | 0.00 | 5.80 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 1.16 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.1 | 0.0 | 0. | 0.00 |
| 139 | 6.300 | 29.84 | 0.00 | 1.00 | 0.00 | 7.59 | 5.22 | 0.00 | 5.76 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 1.16 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. | 0.00 |
| 140 | 6.200 | 29.84 | 0.00 | 1.00 | 0.00 | 7.59 | 5.18 | 0.00 | 5.71 | 0.00 | 1.12 | 0.04 | 0.01 | 1.17 | 1.16 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. | 0.00 |
| 141 | 6.100 | 29.85 | 0.00 | 1.00 | 0.00 | 7.59 | 5.14 | 0.00 | 5.67 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 1.16 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 142 | 6.000 | 29.85 | 0.00 | 1.00 | 0.00 | 7.59 | 5.11 | 0.00 | 5.63 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 1.16 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. | 0.00 |
| 143 | 5.900 | 29.85 | 0.00 | 1.00 | 0.00 | 7.59 | 5.07 | 0.00 | 5.58 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 1.15 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 144 | 5.800 | 29.85 | 0.00 | 1.00 | 0.00 | 7.59 | 5.03 | 0.00 | 5.54 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 1.15 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. | 0.00 |
| 145 | 5.700 | 29.86 | 0.00 | 1.00 | 0.00 | 7.59 | 5.00 | 0.00 | 5.50 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 1.15 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 146 | 5.600 | 29.86 | 0.00 | 1.00 | 0.00 | 7.59 | 4.96 | 0.00 | 5.46 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 1.15 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. | 0.00 |
| 147 | 5.500 | 29.86 | 0.00 | 1.00 | 0.00 | 7.59 | 4.92 | 0.00 | 5.41 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 1.15 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. | 0.00 |
| 148 | 5.400 | 29.86 | 0.00 | 1.00 | 0.00 | 7.59 | 4.89 | 0.00 | 5.37 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 1.15 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 149 | 5.300 | 29.87 | 0.00 | 1.00 | 0.00 | 7.58 | 4.85 | 0.00 | 5.33 | 0.00 | 1.11 | 0.04 | 0.01 | 1.16 | 1.15 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. | 0.00 |
| 150 | 5.200 | 29.87 | 0.00 | 1.00 | 0.00 | 7.58 | 4.82 | 0.00 | 5.29 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 1.15 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 151 | 5.100 | 29.87 | 0.00 | 1.00 | 0.00 | 7.58 | 4.78 | 0.00 | 5.25 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 1.14 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. | 0.00 |
| 152 | 5.000 | 29.88 | 0.00 | 1.00 | 0.00 | 7.58 | 4.75 | 0.00 | 5.21 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 1.14 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 153 | 4.900 | 29.88 | 0.00 | 1.00 | 0.00 | 7.58 | 4.71 | 0.00 | 5.17 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 1.14 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. | 0.00 |
| 154 | 4.800 | 29.88 | 0.00 | 1.00 | 0.00 | 7.58 | 4.68 | 0.00 | 5.13 | 0.00 | 1.11 | 0.04 | 0.01 | 1.15 | 1.14 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. | 0.00 |
| 155 | 4.700 | 29.88 | 0.00 | 1.00 | 0.00 | 7.58 | 4.64 | 0.00 | 5.09 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 1.14 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 156 | 4.600 | 29.89 | 0.00 | 1.00 | 0.00 | 7.58 | 4.61 | 0.00 | 5.05 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 1.14 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 157 | 4.500 | 29.89 | 0.00 | 1.00 | 0.00 | 7.58 | 4.58 | 0.00 | 5.01 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 1.14 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 158 | 4.400 | 29.89 | 0.00 | 1.00 | 0.00 | 7.58 | 4.54 | 0.00 | 4.97 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 1.14 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 159 | 4.300 | 29.89 | 0.00 | 1.00 | 0.00 | 7.58 | 4.51 | 0.00 | 4.93 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 1.13 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | 4.200 | 29.90 | 0.00 | 1.00 | 0.00 | 7.58 | 4.48 | 0.00 | 4.89 | 0.00 | 1.10 | 0.04 | 0.01 | 1.15 | 1.13 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 161 | 4.100 | 29.90 | 0.00 | 1.00 | 0.00 | 7.58 | 4.44 | 0.00 | 4.85 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 1.13 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 162 | 4.000 | 29.90 | 0.00 | 1.00 | 0.00 | 7.58 | 4.41 | 0.00 | 4.81 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 1.13 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 163 | 3.900 | 29.90 | 0.00 | 1.00 | 0.00 | 7.58 | 4.38 | 0.00 | 4.77 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 1.13 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 164 | 3.800 | 29.90 | 0.00 | 1.00 | 0.00 | 7.57 | 4.35 | 0.00 | 4.74 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 1.13 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 165 | 3.700 | 29.91 | 0.00 | 1.00 | 0.00 | 7.57 | 4.32 | 0.00 | 4.70 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 1.13 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 166 | 3.600 | 29.91 | 0.00 | 1.00 | 0.00 | 7.57 | 4.29 | 0.00 | 4.66 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 1.13 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 167 | 3.500 | 29.91 | 0.00 | 1.00 | 0.00 | 7.57 | 4.25 | 0.00 | 4.62 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 1.13 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 168 | 3.400 | 29.91 | 0.00 | 1.00 | 0.00 | 7.57 | 4.22 | 0.00 | 4.59 | 0.00 | 1.10 | 0.04 | 0.01 | 1.14 | 1.12 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 169 | 3.300 | 29.92 | 0.00 | 1.00 | 0.00 | 7.57 | 4.19 | 0.00 | 4.55 | 0.00 | 1.09 | 0.04 | 0.01 | 1.14 | 1.12 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | 3.200 | 29.92 | 0.00 | 1.00 | 0.00 | 7.57 | 4.16 | 0.00 | 4.51 | 0.00 | 1.09 | 0.04 | 0.01 | 1.14 | 1.12 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 171 | 3.100 | 29.92 | 0.00 | 1.00 | 0.00 | 7.57 | 4.13 | 0.00 | 4.48 | 0.00 | 1.09 | 0.04 | 0.01 | 1.14 | 1.12 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 172 | 3.000 | 29.92 | 0.00 | 1.00 | 0.00 | 7.57 | 4.10 | 0.00 | 4.44 | 0.00 | 1.09 | 0.04 | 0.01 | 1.14 | 1.12 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 173 | 2.900 | 29.93 | 0.00 | 1.00 | 0.00 | 7.57 | 4.07 | 0.00 | 4.41 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 1.12 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 174 | 2.800 | 29.93 | 0.00 | 1.00 | 0.00 | 7.57 | 4.04 | 0.00 | 4.37 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 1.12 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 175 | 2.700 | 29.93 | 0.00 | 1.00 | 0.00 | 7.57 | 4.01 | 0.00 | 4.34 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 1.12 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 176 | 2.600 | 29.93 | 0.00 | 1.00 | 0.00 | 7.57 | 3.98 | 0.00 | 4.30 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 1.11 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 177 | 2.500 | 29.94 | 0.00 | 1.00 | 0.00 | 7.57 | 3.95 | 0.00 | 4.26 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 1.11 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 178 | 2.400 | 29.94 | 0.00 | 1.00 | 0.00 | 7.57 | 3.93 | 0.00 | 4.23 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 1.11 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 179 | 2.300 | 29.94 | 0.00 | 1.00 | 0.00 | 7.56 | 3.90 | 0.00 | 4.20 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 1.11 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 2.200 | 29.94 | 0.00 | 1.00 | 0.00 | 7.56 | 3.87 | 0.00 | 4.16 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 1.11 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 181 | 2.100 | 29.95 | 0.00 | 1.00 | 0.00 | 7.56 | 3.84 | 0.00 | 4.13 | 0.00 | 1.09 | 0.04 | 0.01 | 1.13 | 1.11 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 182 | 2.000 | 29.95 | 0.00 | 1.00 | 0.00 | 7.56 | 3.81 | 0.00 | 4.09 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 1.11 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 183 | 1.900 | 29.95 | 0.00 | 1.00 | 0.00 | 7.56 | 3.78 | 0.00 | 4.06 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 1.11 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 184 | 1.800 | 29.95 | 0.00 | 1.00 | 0.00 | 7.56 | 3.76 | 0.00 | 4.03 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 1.10 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 185 | 1.700 | 29.96 | 0.00 | 1.00 | 0.00 | 7.56 | 3.73 | 0.00 | 3.99 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 1.10 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 186 | 1.600 | 29.96 | 0.00 | 1.00 | 0.00 | 7.56 | 3.70 | 0.00 | 3.96 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 1.10 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 187 | 1.500 | 29.96 | 0.00 | 1.00 | 0.00 | 7.56 | 3.68 | 0.00 | 3.93 | 0.00 | 1.08 | 0.04 | 0.01 | 1.13 | 1.10 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 188 | 1.400 | 29.97 | 0.00 | 1.00 | 0.00 | 7.56 | 3.65 | 0.00 | 3.89 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 1.10 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 189 | 1.300 | 29.97 | 0.00 | 1.00 | 0.00 | 7.56 | 3.62 | 0.00 | 3.86 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 1.10 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 190 | 1.200 | 29.97 | 0.00 | 1.00 | 0.00 | 7.56 | 3.60 | 0.00 | 3.83 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 1.10 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 191 | 1.100 | 29.97 | 0.00 | 1.00 | 0.00 | 7.56 | 3.57 | 0.00 | 3.80 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 1.10 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 192 | 1.000 | 29.98 | 0.00 | 1.00 | 0.00 | 7.56 | 3.54 | 0.00 | 3.76 | 0.00 | 1.08 | 0.04 | 0.01 | 1.12 | 1.10 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 193 | 0.900 | 29.98 | 0.00 | 1.00 | 0.00 | 6.37 | 5.26 | 0.00 | 5.48 | 0.00 | 1.14 | 0.04 | 0.00 | 1.19 | 1.16 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 194 | 0.800 | 29.98 | 0.00 | 1.00 | 0.00 | 6.60 | 5.24 | 0.00 | 5.45 | 0.00 | 1.14 | 0.04 | 0.00 | 1.19 | 1.16 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 195 | 0.700 | 29.98 | 0.00 | 1.00 | 0.00 | 6.26 | 5.81 | 0.00 | 6.02 | 0.00 | 0.91 | 0.39 | 0.74 | 2.03 | 0.93 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 196 | 0.600 | 29.99 | 0.00 | 1.00 | 0.00 | 6.46 | 5.80 | 0.00 | 5.99 | 0.00 | 0.91 | 0.38 | 0.74 | 2.03 | 0.93 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 197 | 0.500 | 29.99 | 0.00 | 1.00 | 0.00 | 6.63 | 5.78 | 0.00 | 5.97 | 0.00 | 0.91 | 0.38 | 0.74 | 2.03 | 0.92 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 198 | 0.400 | 29.99 | 0.00 | 1.00 | 0.00 | 6.77 | 5.76 | 0.00 | 5.94 | 0.00 | 0.91 | 0.38 | 0.74 | 2.03 | 0.92 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 199 | 0.300 | 29.99 | 0.00 | 1.00 | 0.00 | 6.88 | 5.74 | 0.00 | 5.92 | 0.00 | 0.91 | 0.38 | 0.74 | 2.02 | 0.92 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 0.200 | 30.00 | 0.00 | 1.00 | 0.00 | 6.98 | 5.72 | 0.00 | 5.90 | 0.00 | 0.91 | 0.37 | 0.74 | 2.02 | 0.92 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 201 | 0.100 | 30.00 | 0.00 | 1.00 | 0.00 | 7.06 | 5.71 | 0.00 | 5.87 | 0.00 | 0.91 | 0.37 | 0.74 | 2.02 | 0.92 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 202 | 0.000 | 30.00 | 0.00 | 1.00 | 0.00 | 7.13 | 5.69 | 0.00 | 5.85 | 0.00 | 0.91 | 0.37 | 0.74 | 2.02 | 0.92 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 124 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 125 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 126 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 127 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 128 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 129 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 130 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 131 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 132 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 133 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 134 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 135 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 136 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 137 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 138 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 139 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 140 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 141 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 142 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 143 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 144 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 145 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 146 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 147 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 148 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 149 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 150 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 151 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 152 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 153 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 154 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 155 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 156 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 157 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 158 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 159 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 160 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 161 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 162 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 163 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 164 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 165 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 166 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 167 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 168 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 169 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 170 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 171 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 172 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 173 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 174 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 175 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 176 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 177 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 178 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 179 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 180 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 181 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 182 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 183 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 184 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 185 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 186 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 187 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 188 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 189 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 190 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 191 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 192 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 193 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 194 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 195 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 196 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 197 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 198 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 199 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 200 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 201 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 202 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT East Pont. LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 5 East Pontchatoula TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | HDWTR | 0.00283 | 25.80 | 0.00 | 0.00 | 0.00 | 6.85 | 3.34 | 0.00 | 3.87 | 0.00 | 0.34 | 0.03 | 0.09 | 0.00 | 5.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00009 | 25.80 | 0.00 | 0.00 | 0.00 | 6.85 | 3.87 | 0.00 | | | 0.34 | 0.03 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 302 | WSTLD | 0.00079 | 29.80 | 0.00 | 0.00 | 0.00 | 2.30 | 19.93 | 0.00 | 19.93 | 0.00 | 1.46 | 2.89 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | WSTLD | 0.00046 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 20.56 | 0.00 | 20.56 | 0.00 | 1.49 | 2.98 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | WSTLD | 0.00007 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 30.84 | 0.00 | 30.84 | 0.00 | 2.23 | 4.47 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | WSTLD | 0.00024 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 21.45 | 0.00 | 21.45 | 0.00 | 1.55 | 3.11 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | WSTLD | 0.00301 | 29.80 | 0.00 | 0.00 | 0.00 | 3.20 | 15.11 | 0.00 | 15.11 | 0.00 | 1.10 | 2.19 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.90 | 10.80 | 0.00292 | 0.0 | 0.00265 | 0.44 | 0.44 | 0.28 | 3.87 | 110.21 | 387.00 | 1.10 | 0.00 | 0.000 | 0.000 | 0.003 |
| 281 | 10.80 | 10.70 | 0.00301 | 0.0 | 0.00272 | 0.42 | 0.86 | 0.29 | 3.87 | 110.65 | 387.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.003 |
| 282 | 10.70 | 10.60 | 0.00311 | 0.0 | 0.00280 | 0.41 | 1.28 | 0.29 | 3.87 | 111.07 | 387.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.003 |
| 283 | 10.60 | 10.50 | 0.00320 | 0.0 | 0.00287 | 0.40 | 1.68 | 0.29 | 3.87 | 111.49 | 387.00 | 1.11 | 0.00 | 0.000 | 0.000 | 0.003 |
| 284 | 10.50 | 10.40 | 0.00329 | 0.0 | 0.00294 | 0.39 | 2.07 | 0.29 | 3.87 | 111.89 | 387.00 | 1.12 | 0.00 | 0.000 | 0.000 | 0.003 |
| 285 | 10.40 | 10.30 | 0.00338 | 0.0 | 0.00301 | 0.38 | 2.46 | 0.29 | 3.87 | 112.28 | 387.00 | 1.12 | 0.00 | 0.000 | 0.000 | 0.003 |
| 286 | 10.30 | 10.20 | 0.00347 | 0.0 | 0.00308 | 0.38 | 2.83 | 0.29 | 3.87 | 112.67 | 387.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.003 |
| 287 | 10.20 | 10.10 | 0.00356 | 0.0 | 0.00315 | 0.37 | 3.20 | 0.29 | 3.87 | 113.04 | 387.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.003 |
| 288 | 10.10 | 10.00 | 0.00366 | 0.0 | 0.00322 | 0.36 | 3.56 | 0.29 | 3.87 | 113.41 | 387.00 | 1.13 | 0.00 | 0.000 | 0.000 | 0.003 |
| 289 | 10.00 | 9.90 | 0.00375 | 0.0 | 0.00329 | 0.35 | 3.91 | 0.29 | 3.87 | 113.77 | 387.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.003 |
| 290 | 9.90 | 9.80 | 0.00384 | 0.0 | 0.00336 | 0.34 | 4.25 | 0.29 | 3.87 | 114.12 | 387.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.003 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 291 | 9.80 | 9.70 | 0.00393 | 0.0 | 0.00343 | 0.34 | 4.59 | 0.30 | 3.87 | 114.47 | 387.00 | 1.14 | 0.00 | 0.000 | 0.000 | 0.003 |
| 292 | 9.70 | 9.60 | 0.00402 | 0.0 | 0.00350 | 0.33 | 4.92 | 0.30 | 3.87 | 114.80 | 387.00 | 1.15 | 0.00 | 0.000 | 0.000 | 0.004 |
| 293 | 9.60 | 9.50 | 0.00411 | 0.0 | 0.00357 | 0.32 | 5.25 | 0.30 | 3.87 | 115.14 | 387.00 | 1.15 | 0.00 | 0.000 | 0.000 | 0.004 |
| 294 | 9.50 | 9.40 | 0.00421 | 0.0 | 0.00364 | 0.32 | 5.56 | 0.30 | 3.87 | 115.46 | 387.00 | 1.15 | 0.00 | 0.000 | 0.000 | 0.004 |
| 295 | 9.40 | 9.30 | 0.00430 | 0.0 | 0.00371 | 0.31 | 5.88 | 0.30 | 3.87 | 115.78 | 387.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.004 |
| 296 | 9.30 | 9.20 | 0.00439 | 0.0 | 0.00378 | 0.31 | 6.18 | 0.30 | 3.87 | 116.09 | 387.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.004 |
| 297 | 9.20 | 9.10 | 0.00448 | 0.0 | 0.00385 | 0.30 | 6.48 | 0.30 | 3.87 | 116.40 | 387.00 | 1.16 | 0.00 | 0.000 | 0.000 | 0.004 |
| 298 | 9.10 | 9.00 | 0.00457 | 0.0 | 0.00392 | 0.30 | 6.78 | 0.30 | 3.87 | 116.70 | 387.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.004 |
| 299 | 9.00 | 8.90 | 0.00466 | 0.0 | 0.00399 | 0.29 | 7.07 | 0.30 | 3.87 | 117.00 | 387.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.004 |
| 300 | 8.90 | 8.80 | 0.00476 | 0.0 | 0.00406 | 0.29 | 7.35 | 0.30 | 3.87 | 117.29 | 387.00 | 1.17 | 0.00 | 0.000 | 0.000 | 0.004 |
| 301 | 8.80 | 8.70 | 0.00485 | 0.0 | 0.00412 | 0.28 | 7.63 | 0.30 | 3.87 | 117.57 | 387.00 | 1.18 | 0.00 | 0.000 | 0.000 | 0.004 |
| 302 | 8.70 | 8.60 | 0.00573 | 13.8 | 0.00477 | 0.24 | 7.88 | 0.31 | 3.87 | 120.11 | 387.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.005 |
| 303 | 8.60 | 8.50 | 0.00582 | 13.6 | 0.00484 | 0.24 | 8.12 | 0.31 | 3.87 | 120.35 | 387.00 | 1.20 | 0.00 | 0.000 | 0.000 | 0.005 |
| 304 | 8.50 | 8.40 | 0.00591 | 13.4 | 0.00490 | 0.24 | 8.35 | 0.31 | 3.87 | 120.59 | 387.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.005 |
| 305 | 8.40 | 8.30 | 0.00601 | 13.2 | 0.00497 | 0.23 | 8.58 | 0.31 | 3.87 | 120.83 | 387.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.005 |
| 306 | 8.30 | 8.20 | 0.00610 | 13.0 | 0.00504 | 0.23 | 8.81 | 0.31 | 3.87 | 121.07 | 387.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.005 |
| 307 | 8.20 | 8.10 | 0.00619 | 12.8 | 0.00510 | 0.23 | 9.04 | 0.31 | 3.87 | 121.30 | 387.00 | 1.21 | 0.00 | 0.000 | 0.000 | 0.005 |
| 308 | 8.10 | 8.00 | 0.00628 | 12.6 | 0.00517 | 0.22 | 9.27 | 0.31 | 3.87 | 121.53 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |
| 309 | 8.00 | 7.90 | 0.00637 | 12.4 | 0.00523 | 0.22 | 9.49 | 0.31 | 3.87 | 121.75 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |
| 310 | 7.90 | 7.80 | 0.00646 | 12.2 | 0.00530 | 0.22 | 9.70 | 0.32 | 3.87 | 121.97 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |
| 311 | 7.80 | 7.70 | 0.00656 | 12.1 | 0.00537 | 0.22 | 9.92 | 0.32 | 3.87 | 122.19 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |
| 312 | 7.70 | 7.60 | 0.00665 | 11.9 | 0.00543 | 0.21 | 10.13 | 0.32 | 3.87 | 122.41 | 387.00 | 1.22 | 0.00 | 0.000 | 0.000 | 0.005 |
| 313 | 7.60 | 7.50 | 0.00674 | 11.7 | 0.00550 | 0.21 | 10.34 | 0.32 | 3.87 | 122.62 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.005 |
| 314 | 7.50 | 7.40 | 0.00683 | 11.6 | 0.00556 | 0.21 | 10.55 | 0.32 | 3.87 | 122.84 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.006 |
| 315 | 7.40 | 7.30 | 0.00692 | 11.4 | 0.00563 | 0.21 | 10.76 | 0.32 | 3.87 | 123.05 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.006 |
| 316 | 7.30 | 7.20 | 0.00701 | 11.3 | 0.00569 | 0.20 | 10.96 | 0.32 | 3.87 | 123.25 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.006 |
| 317 | 7.20 | 7.10 | 0.00711 | 11.1 | 0.00576 | 0.20 | 11.16 | 0.32 | 3.87 | 123.46 | 387.00 | 1.23 | 0.00 | 0.000 | 0.000 | 0.006 |
| 318 | 7.10 | 7.00 | 0.00720 | 11.0 | 0.00582 | 0.20 | 11.36 | 0.32 | 3.87 | 123.66 | 387.00 | 1.24 | 0.00 | 0.000 | 0.000 | 0.006 |
| 319 | 7.00 | 6.90 | 0.00775 | 16.1 | 0.00621 | 0.19 | 11.55 | 0.32 | 3.87 | 124.83 | 387.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.006 |
| 320 | 6.90 | 6.80 | 0.00784 | 15.9 | 0.00627 | 0.18 | 11.73 | 0.32 | 3.87 | 125.02 | 387.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.006 |
| 321 | 6.80 | 6.70 | 0.00793 | 15.8 | 0.00634 | 0.18 | 11.91 | 0.32 | 3.87 | 125.21 | 387.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.006 |
| 322 | 6.70 | 6.60 | 0.00802 | 15.6 | 0.00640 | 0.18 | 12.10 | 0.32 | 3.87 | 125.39 | 387.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.006 |
| 323 | 6.60 | 6.50 | 0.00812 | 15.4 | 0.00646 | 0.18 | 12.27 | 0.32 | 3.87 | 125.57 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.006 |
| 324 | 6.50 | 6.40 | 0.00821 | 15.2 | 0.00653 | 0.18 | 12.45 | 0.32 | 3.87 | 125.75 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 325 | 6.40 | 6.30 | 0.00830 | 15.1 | 0.00659 | 0.18 | 12.63 | 0.33 | 3.87 | 125.93 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 326 | 6.30 | 6.20 | 0.00839 | 14.9 | 0.00665 | 0.17 | 12.80 | 0.33 | 3.87 | 126.11 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 327 | 6.20 | 6.10 | 0.00848 | 14.7 | 0.00672 | 0.17 | 12.97 | 0.33 | 3.87 | 126.28 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 328 | 6.10 | 6.00 | 0.00858 | 14.6 | 0.00678 | 0.17 | 13.14 | 0.33 | 3.87 | 126.46 | 387.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.007 |
| 329 | 6.00 | 5.90 | 0.00867 | 14.4 | 0.00684 | 0.17 | 13.31 | 0.33 | 3.87 | 126.63 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 330 | 5.90 | 5.80 | 0.00876 | 14.3 | 0.00691 | 0.17 | 13.48 | 0.33 | 3.87 | 126.80 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 331 | 5.80 | 5.70 | 0.00885 | 14.1 | 0.00697 | 0.17 | 13.65 | 0.33 | 3.87 | 126.97 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 332 | 5.70 | 5.60 | 0.00894 | 14.0 | 0.00703 | 0.16 | 13.81 | 0.33 | 3.87 | 127.13 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 333 | 5.60 | 5.50 | 0.00910 | 14.5 | 0.00714 | 0.16 | 13.97 | 0.33 | 3.87 | 127.43 | 387.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.007 |
| 334 | 5.50 | 5.40 | 0.00920 | 14.4 | 0.00721 | 0.16 | 14.13 | 0.33 | 3.87 | 127.59 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 335 | 5.40 | 5.30 | 0.00929 | 14.2 | 0.00727 | 0.16 | 14.29 | 0.33 | 3.87 | 127.75 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 336 | 5.30 | 5.20 | 0.00938 | 14.1 | 0.00733 | 0.16 | 14.45 | 0.33 | 3.87 | 127.91 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 337 | 5.20 | 5.10 | 0.00947 | 13.9 | 0.00740 | 0.16 | 14.61 | 0.33 | 3.87 | 128.07 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 338 | 5.10 | 5.00 | 0.00956 | 13.8 | 0.00746 | 0.16 | 14.76 | 0.33 | 3.87 | 128.23 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.007 |
| 339 | 5.00 | 4.90 | 0.00965 | 13.7 | 0.00752 | 0.15 | 14.92 | 0.33 | 3.87 | 128.38 | 387.00 | 1.28 | 0.00 | 0.000 | 0.000 | 0.008 |
| 340 | 4.90 | 4.80 | 0.00999 | 15.6 | 0.00774 | 0.15 | 15.07 | 0.33 | 3.87 | 128.94 | 387.00 | 1.29 | 0.00 | 0.000 | 0.000 | 0.008 |
| 341 | 4.80 | 4.70 | 0.01008 | 15.5 | 0.00781 | 0.15 | 15.21 | 0.33 | 3.87 | 129.09 | 387.00 | 1.29 | 0.00 | 0.000 | 0.000 | 0.008 |
| 342 | 4.70 | 4.60 | 0.01017 | 15.3 | 0.00787 | 0.15 | 15.36 | 0.33 | 3.87 | 129.24 | 387.00 | 1.29 | 0.00 | 0.000 | 0.000 | 0.008 |
| 343 | 4.60 | 4.50 | 0.01026 | 15.2 | 0.00793 | 0.15 | 15.51 | 0.33 | 3.87 | 129.39 | 387.00 | 1.29 | 0.00 | 0.000 | 0.000 | 0.008 |
| 344 | 4.50 | 4.40 | 0.01035 | 15.1 | 0.00799 | 0.14 | 15.65 | 0.33 | 3.87 | 129.54 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 345 | 4.40 | 4.30 | 0.01045 | 14.9 | 0.00805 | 0.14 | 15.80 | 0.34 | 3.87 | 129.68 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 346 | 4.30 | 4.20 | 0.01054 | 14.8 | 0.00812 | 0.14 | 15.94 | 0.34 | 3.87 | 129.83 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 347 | 4.20 | 4.10 | 0.01063 | 14.7 | 0.00818 | 0.14 | 16.08 | 0.34 | 3.87 | 129.97 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 348 | 4.10 | 4.00 | 0.01072 | 14.6 | 0.00824 | 0.14 | 16.22 | 0.34 | 3.87 | 130.11 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 349 | 4.00 | 3.90 | 0.01081 | 14.4 | 0.00830 | 0.14 | 16.36 | 0.34 | 3.87 | 130.25 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 350 | 3.90 | 3.80 | 0.01090 | 14.3 | 0.00836 | 0.14 | 16.50 | 0.34 | 3.87 | 130.39 | 387.00 | 1.30 | 0.00 | 0.000 | 0.000 | 0.008 |
| 351 | 3.80 | 3.70 | 0.01100 | 14.2 | 0.00842 | 0.14 | 16.64 | 0.34 | 3.87 | 130.53 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.008 |
| 352 | 3.70 | 3.60 | 0.01109 | 14.1 | 0.00848 | 0.14 | 16.77 | 0.34 | 3.87 | 130.67 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.008 |
| 353 | 3.60 | 3.50 | 0.01118 | 14.0 | 0.00855 | 0.14 | 16.91 | 0.34 | 3.87 | 130.81 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 354 | 3.50 | 3.40 | 0.01127 | 13.8 | 0.00861 | 0.13 | 17.04 | 0.34 | 3.87 | 130.95 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 355 | 3.40 | 3.30 | 0.01136 | 13.7 | 0.00867 | 0.13 | 17.18 | 0.34 | 3.87 | 131.08 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 356 | 3.30 | 3.20 | 0.01145 | 13.6 | 0.00873 | 0.13 | 17.31 | 0.34 | 3.87 | 131.22 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 357 | 3.20 | 3.10 | 0.01155 | 13.5 | 0.00879 | 0.13 | 17.44 | 0.34 | 3.87 | 131.35 | 387.00 | 1.31 | 0.00 | 0.000 | 0.000 | 0.009 |
| 358 | 3.10 | 3.00 | 0.01465 | 31.2 | 0.01082 | 0.11 | 17.55 | 0.35 | 3.87 | 135.40 | 387.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.011 |
| 359 | 3.00 | 2.90 | 0.01474 | 31.0 | 0.01088 | 0.11 | 17.65 | 0.35 | 3.87 | 135.51 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 360 | 2.90 | 2.80 | 0.01483 | 30.8 | 0.01094 | 0.11 | 17.76 | 0.35 | 3.87 | 135.62 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 361 | 2.80 | 2.70 | 0.01492 | 30.6 | 0.01099 | 0.11 | 17.86 | 0.35 | 3.87 | 135.73 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 362 | 2.70 | 2.60 | 0.01501 | 30.4 | 0.01105 | 0.10 | 17.97 | 0.35 | 3.87 | 135.83 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 363 | 2.60 | 2.50 | 0.01511 | 30.3 | 0.01111 | 0.10 | 18.07 | 0.35 | 3.87 | 135.94 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 364 | 2.50 | 2.40 | 0.01520 | 30.1 | 0.01117 | 0.10 | 18.18 | 0.35 | 3.87 | 136.04 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 365 | 2.40 | 2.30 | 0.01529 | 29.9 | 0.01123 | 0.10 | 18.28 | 0.35 | 3.87 | 136.15 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 366 | 2.30 | 2.20 | 0.01538 | 29.7 | 0.01129 | 0.10 | 18.38 | 0.35 | 3.87 | 136.25 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 367 | 2.20 | 2.10 | 0.01547 | 29.5 | 0.01135 | 0.10 | 18.48 | 0.35 | 3.87 | 136.36 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 368 | 2.10 | 2.00 | 0.01557 | 29.4 | 0.01141 | 0.10 | 18.59 | 0.35 | 3.87 | 136.46 | 387.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.011 |
| 369 | 2.00 | 1.90 | 0.01566 | 29.2 | 0.01147 | 0.10 | 18.69 | 0.35 | 3.87 | 136.56 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.011 |
| 370 | 1.90 | 1.80 | 0.01575 | 29.0 | 0.01152 | 0.10 | 18.79 | 0.35 | 3.87 | 136.66 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 371 | 1.80 | 1.70 | 0.01584 | 28.9 | 0.01158 | 0.10 | 18.89 | 0.35 | 3.87 | 136.76 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 372 | 1.70 | 1.60 | 0.01593 | 28.7 | 0.01164 | 0.10 | 18.99 | 0.35 | 3.87 | 136.87 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 373 | 1.60 | 1.50 | 0.01602 | 28.5 | 0.01170 | 0.10 | 19.09 | 0.35 | 3.87 | 136.97 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 374 | 1.50 | 1.40 | 0.01612 | 28.4 | 0.01176 | 0.10 | 19.18 | 0.35 | 3.87 | 137.07 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 375 | 1.40 | 1.30 | 0.01621 | 28.2 | 0.01182 | 0.10 | 19.28 | 0.35 | 3.87 | 137.16 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 376 | 1.30 | 1.20 | 0.01630 | 28.0 | 0.01187 | 0.10 | 19.38 | 0.35 | 3.87 | 137.26 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 377 | 1.20 | 1.10 | 0.01639 | 27.9 | 0.01193 | 0.10 | 19.48 | 0.35 | 3.87 | 137.36 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 378 | 1.10 | 1.00 | 0.01648 | 27.7 | 0.01199 | 0.10 | 19.57 | 0.36 | 3.87 | 137.46 | 387.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.012 |
| 379 | 1.00 | 0.90 | 0.01657 | 27.6 | 0.01205 | 0.10 | 19.67 | 0.36 | 3.87 | 137.56 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 380 | 0.90 | 0.80 | 0.01667 | 27.4 | 0.01211 | 0.10 | 19.76 | 0.36 | 3.87 | 137.65 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 381 | 0.80 | 0.70 | 0.01676 | 27.3 | 0.01217 | 0.10 | 19.86 | 0.36 | 3.87 | 137.75 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 382 | 0.70 | 0.60 | 0.01685 | 27.1 | 0.01222 | 0.09 | 19.95 | 0.36 | 3.87 | 137.85 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 383 | 0.60 | 0.50 | 0.01694 | 27.0 | 0.01228 | 0.09 | 20.05 | 0.36 | 3.87 | 137.94 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 384 | 0.50 | 0.40 | 0.01703 | 26.8 | 0.01234 | 0.09 | 20.14 | 0.36 | 3.87 | 138.04 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 385 | 0.40 | 0.30 | 0.01712 | 26.7 | 0.01240 | 0.09 | 20.24 | 0.36 | 3.87 | 138.13 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 386 | 0.30 | 0.20 | 0.01722 | 26.5 | 0.01246 | 0.09 | 20.33 | 0.36 | 3.87 | 138.23 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.012 |
| 387 | 0.20 | 0.10 | 0.01731 | 26.4 | 0.01251 | 0.09 | 20.42 | 0.36 | 3.87 | 138.32 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.013 |
| 388 | 0.10 | 0.00 | 0.01740 | 26.3 | 0.01257 | 0.09 | 20.51 | 0.36 | 3.87 | 138.41 | 387.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.013 |
| TOT | | | | | | 20.51 | | | | 13832.06 | 42183.00 | | | | | |
| AVG | | | | | 0.0061 | | | 0.33 | 3.87 | | | 1.27 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 8.14 | 2.75 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 | 1.81 | 1.81 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 10.700 | 8.13 | 2.75 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 | 1.81 | 1.81 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 10.600 | 8.13 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 | 1.81 | 1.81 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 10.500 | 8.12 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.82 | 1.82 | 1.82 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 10.400 | 8.11 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.82 | 1.82 | 1.82 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 10.300 | 8.11 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.83 | 1.83 | 1.83 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 10.200 | 8.10 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.83 | 1.83 | 1.83 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 10.100 | 8.10 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 1.84 | 1.84 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 10.000 | 8.09 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 1.84 | 1.84 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 9.900 | 8.09 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.85 | 1.85 | 1.85 | 0.01 | 0.00 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 9.800 | 8.08 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.85 | 1.85 | 1.85 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 9.700 | 8.07 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.85 | 1.85 | 1.85 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 9.600 | 8.07 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 1.86 | 1.86 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 9.500 | 8.06 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 1.86 | 1.86 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 9.400 | 8.06 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 | 1.87 | 1.87 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 9.300 | 8.05 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 | 1.87 | 1.87 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 9.200 | 8.05 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 | 1.88 | 1.88 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 9.100 | 8.04 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 | 1.88 | 1.88 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 9.000 | 8.04 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.89 | 1.89 | 1.89 | 0.01 | 0.00 | 0.30 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 8.900 | 8.03 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.89 | 1.89 | 1.89 | 0.01 | 0.00 | 0.30 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 8.800 | 8.02 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90 | 1.90 | 1.90 | 0.01 | 0.00 | 0.30 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 8.700 | 8.02 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90 | 1.90 | 1.90 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 8.600 | 8.01 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90 | 1.90 | 1.90 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 8.500 | 8.01 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.91 | 1.91 | 1.91 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 8.400 | 8.00 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.91 | 1.91 | 1.91 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 8.300 | 8.00 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 1.92 | 1.92 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 8.200 | 7.99 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 1.92 | 1.92 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 8.100 | 7.99 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 8.000 | 7.98 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 7.900 | 7.97 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 7.800 | 7.97 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 1.94 | 1.94 | 0.01 | 0.00 | 0.31 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 7.700 | 7.96 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.95 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 7.600 | 7.96 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 1.95 | 1.95 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 7.500 | 7.95 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 7.400 | 7.95 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 1.96 | 1.96 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 7.300 | 7.94 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 7.200 | 7.94 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 1.97 | 1.97 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 7.100 | 7.93 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 7.000 | 7.92 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 319 | 6.900 | 7.92 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 1.98 | 1.98 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 6.800 | 7.91 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 1.99 | 0.01 | 0.00 | 0.32 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 6.700 | 7.91 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 1.99 | 1.99 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 6.600 | 7.90 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 323 | 6.500 | 7.90 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 6.400 | 7.89 | 2.68 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 2.01 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 6.300 | 7.89 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 2.01 | 2.01 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 6.200 | 7.88 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 6.100 | 7.88 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 2.02 | 2.02 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 6.000 | 7.87 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 5.900 | 7.87 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 | 2.03 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 5.800 | 7.86 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 2.04 | 0.01 | 0.00 | 0.33 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 5.700 | 7.85 | 2.69 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 2.04 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 5.600 | 7.85 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 2.05 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 5.500 | 7.84 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 | 2.05 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 5.400 | 7.84 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 2.06 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 5.300 | 7.83 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 2.06 | 2.06 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 5.200 | 7.83 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 2.07 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 5.100 | 7.82 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 2.07 | 2.07 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 5.000 | 7.82 | 2.70 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 2.08 | 0.01 | 0.00 | 0.34 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | 4.900 | 7.81 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 2.08 | 0.01 | 0.00 | 0.34 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 4.800 | 7.81 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 2.09 | 0.01 | 0.00 | 0.34 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 4.700 | 7.80 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 2.09 | 2.09 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 4.600 | 7.80 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 2.10 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 4.500 | 7.79 | 2.71 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 2.10 | 2.10 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 4.400 | 7.79 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 2.11 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 4.300 | 7.78 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.11 | 2.11 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 346 | 4.200 | 7.77 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 2.12 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 347 | 4.100 | 7.77 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 2.12 | 2.12 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 4.000 | 7.76 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 3.900 | 7.76 | 2.72 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 2.13 | 2.13 | 0.01 | 0.00 | 0.35 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 3.800 | 7.75 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 3.700 | 7.75 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 2.14 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 3.600 | 7.74 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 2.15 | 2.15 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 3.500 | 7.74 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.16 | 2.16 | 2.16 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 3.400 | 7.73 | 2.73 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.16 | 2.16 | 2.16 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 3.300 | 7.73 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.17 | 2.17 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 3.200 | 7.72 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.17 | 2.17 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 357 | 3.100 | 7.72 | 2.74 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 | 2.18 | 2.18 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 3.000 | 7.71 | 2.76 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 | 2.18 | 2.18 | 0.01 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 2.900 | 7.71 | 2.76 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 2.19 | 2.19 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 2.800 | 7.70 | 2.76 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 2.19 | 2.19 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 2.700 | 7.70 | 2.77 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 2.20 | 2.20 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 2.600 | 7.69 | 2.77 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 2.20 | 2.20 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 2.500 | 7.69 | 2.77 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.21 | 2.21 | 2.21 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 2.400 | 7.68 | 2.77 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.21 | 2.21 | 2.21 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 2.300 | 7.68 | 2.78 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 2.22 | 2.22 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 2.200 | 7.67 | 2.78 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 2.22 | 2.22 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 2.100 | 7.67 | 2.78 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 | 2.23 | 2.23 | 0.01 | 0.00 | 0.37 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 368 | 2.000 | 7.66 | 2.78 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 2.24 | 2.24 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 1.900 | 7.65 | 2.79 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 2.24 | 2.24 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 1.800 | 7.65 | 2.79 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.25 | 2.25 | 2.25 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 1.700 | 7.64 | 2.79 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.25 | 2.25 | 2.25 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 1.600 | 7.64 | 2.79 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 1.500 | 7.63 | 2.80 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 1.400 | 7.63 | 2.80 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 | 2.27 | 2.27 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 375 | 1.300 | 7.62 | 2.80 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 | 2.27 | 2.27 | 0.01 | 0.00 | 0.38 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 1.200 | 7.62 | 2.80 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.28 | 2.28 | 2.28 | 0.01 | 0.00 | 0.39 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 1.100 | 7.61 | 2.81 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.28 | 2.28 | 2.28 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 1.000 | 7.61 | 2.81 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.29 | 2.29 | 2.29 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 0.900 | 7.60 | 2.81 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.30 | 2.30 | 2.30 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 0.800 | 7.60 | 2.82 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.30 | 2.30 | 2.30 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 0.700 | 7.59 | 2.82 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.31 | 2.31 | 2.31 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 0.600 | 7.59 | 2.82 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.31 | 2.31 | 2.31 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 0.500 | 7.58 | 2.82 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 2.32 | 2.32 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 0.400 | 7.58 | 2.83 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 2.32 | 2.32 | 0.01 | 0.00 | 0.39 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 385 | 0.300 | 7.57 | 2.83 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.33 | 2.33 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 0.200 | 7.57 | 2.83 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 0.100 | 7.56 | 2.83 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 2.34 | 2.34 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 0.000 | 7.56 | 2.84 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.35 | 2.35 | 0.01 | 0.00 | 0.40 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.35 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.25 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 25.84 | 0.00 | 1.00 | 0.00 | 6.33 | 3.23 | 0.00 | 3.76 | 0.00 | 0.30 | 0.03 | 0.08 | 0.41 | 0.34 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. |
| 281 | 10.700 | 25.88 | 0.00 | 1.00 | 0.00 | 6.10 | 3.13 | 0.00 | 3.66 | 0.00 | 0.30 | 0.03 | 0.07 | 0.40 | 0.34 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 282 | 10.600 | 25.92 | 0.00 | 1.00 | 0.00 | 6.00 | 3.04 | 0.00 | 3.57 | 0.00 | 0.30 | 0.02 | 0.07 | 0.39 | 0.34 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 283 | 10.500 | 25.95 | 0.00 | 1.00 | 0.00 | 5.95 | 2.96 | 0.00 | 3.48 | 0.00 | 0.30 | 0.02 | 0.06 | 0.38 | 0.34 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 284 | 10.400 | 25.99 | 0.00 | 1.00 | 0.00 | 5.92 | 2.89 | 0.00 | 3.41 | 0.00 | 0.30 | 0.02 | 0.06 | 0.37 | 0.34 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 285 | 10.300 | 26.03 | 0.00 | 1.00 | 0.00 | 5.91 | 2.82 | 0.00 | 3.34 | 0.00 | 0.30 | 0.02 | 0.05 | 0.37 | 0.34 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 286 | 10.200 | 26.07 | 0.00 | 1.00 | 0.00 | 5.90 | 2.76 | 0.00 | 3.27 | 0.00 | 0.30 | 0.02 | 0.05 | 0.36 | 0.34 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 287 | 10.100 | 26.11 | 0.00 | 1.00 | 0.00 | 5.89 | 2.70 | 0.00 | 3.22 | 0.00 | 0.30 | 0.02 | 0.04 | 0.36 | 0.34 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 288 | 10.000 | 26.15 | 0.00 | 1.00 | 0.00 | 5.88 | 2.65 | 0.00 | 3.16 | 0.00 | 0.30 | 0.02 | 0.04 | 0.35 | 0.34 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 289 | 9.900 | 26.19 | 0.00 | 1.00 | 0.00 | 5.88 | 2.61 | 0.00 | 3.11 | 0.00 | 0.30 | 0.02 | 0.03 | 0.35 | 0.34 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 290 | 9.800 | 26.22 | 0.00 | 1.00 | 0.00 | 5.87 | 2.56 | 0.00 | 3.07 | 0.00 | 0.30 | 0.02 | 0.03 | 0.34 | 0.34 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 291 | 9.700 | 26.26 | 0.00 | 1.00 | 0.00 | 5.87 | 2.52 | 0.00 | 3.02 | 0.00 | 0.30 | 0.02 | 0.03 | 0.34 | 0.34 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 292 | 9.600 | 26.30 | 0.00 | 1.00 | 0.00 | 5.86 | 2.48 | 0.00 | 2.98 | 0.00 | 0.30 | 0.02 | 0.02 | 0.34 | 0.34 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 293 | 9.500 | 26.34 | 0.00 | 1.00 | 0.00 | 5.85 | 2.45 | 0.00 | 2.95 | 0.00 | 0.30 | 0.02 | 0.02 | 0.33 | 0.34 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. |
| 294 | 9.400 | 26.38 | 0.00 | 1.00 | 0.00 | 5.85 | 2.42 | 0.00 | 2.91 | 0.00 | 0.30 | 0.02 | 0.02 | 0.33 | 0.34 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. |
| 295 | 9.300 | 26.42 | 0.00 | 1.00 | 0.00 | 5.84 | 2.39 | 0.00 | 2.88 | 0.00 | 0.30 | 0.02 | 0.02 | 0.33 | 0.33 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. |
| 296 | 9.200 | 26.46 | 0.00 | 1.00 | 0.00 | 5.84 | 2.36 | 0.00 | 2.85 | 0.00 | 0.30 | 0.02 | 0.01 | 0.33 | 0.33 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. |
| 297 | 9.100 | 26.49 | 0.00 | 1.00 | 0.00 | 5.83 | 2.33 | 0.00 | 2.82 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.33 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 298 | 9.000 | 26.53 | 0.00 | 1.00 | 0.00 | 5.82 | 2.31 | 0.00 | 2.79 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.33 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 299 | 8.900 | 26.57 | 0.00 | 1.00 | 0.00 | 5.82 | 2.29 | 0.00 | 2.77 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.33 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 300 | 8.800 | 26.61 | 0.00 | 1.00 | 0.00 | 5.81 | 2.27 | 0.00 | 2.74 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.33 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 301 | 8.700 | 26.65 | 0.00 | 1.00 | 0.00 | 5.81 | 2.25 | 0.00 | 2.72 | 0.00 | 0.30 | 0.02 | 0.01 | 0.32 | 0.33 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 302 | 8.600 | 26.69 | 0.00 | 1.00 | 0.00 | 5.43 | 4.59 | 0.00 | 5.07 | 0.00 | 0.46 | 0.38 | 0.30 | 1.14 | 0.49 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 303 | 8.500 | 26.72 | 0.00 | 1.00 | 0.00 | 5.50 | 4.47 | 0.00 | 4.94 | 0.00 | 0.45 | 0.35 | 0.31 | 1.11 | 0.49 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 304 | 8.400 | 26.76 | 0.00 | 1.00 | 0.00 | 5.55 | 4.35 | 0.00 | 4.82 | 0.00 | 0.45 | 0.33 | 0.31 | 1.09 | 0.49 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 305 | 8.300 | 26.80 | 0.00 | 1.00 | 0.00 | 5.58 | 4.24 | 0.00 | 4.70 | 0.00 | 0.45 | 0.30 | 0.32 | 1.07 | 0.48 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 306 | 8.200 | 26.84 | 0.00 | 1.00 | 0.00 | 5.60 | 4.13 | 0.00 | 4.59 | 0.00 | 0.44 | 0.28 | 0.32 | 1.04 | 0.48 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 307 | 8.100 | 26.88 | 0.00 | 1.00 | 0.00 | 5.61 | 4.02 | 0.00 | 4.48 | 0.00 | 0.44 | 0.26 | 0.32 | 1.02 | 0.48 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 308 | 8.000 | 26.92 | 0.00 | 1.00 | 0.00 | 5.62 | 3.92 | 0.00 | 4.38 | 0.00 | 0.44 | 0.24 | 0.32 | 1.00 | 0.47 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 309 | 7.900 | 26.96 | 0.00 | 1.00 | 0.00 | 5.63 | 3.83 | 0.00 | 4.28 | 0.00 | 0.44 | 0.22 | 0.32 | 0.98 | 0.47 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |
| 310 | 7.800 | 26.99 | 0.00 | 1.00 | 0.00 | 5.64 | 3.74 | 0.00 | 4.19 | 0.00 | 0.43 | 0.21 | 0.32 | 0.96 | 0.47 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |
| 311 | 7.700 | 27.03 | 0.00 | 1.00 | 0.00 | 5.64 | 3.65 | 0.00 | 4.10 | 0.00 | 0.43 | 0.19 | 0.32 | 0.94 | 0.47 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |
| 312 | 7.600 | 27.07 | 0.00 | 1.00 | 0.00 | 5.64 | 3.57 | 0.00 | 4.01 | 0.00 | 0.43 | 0.18 | 0.31 | 0.92 | 0.46 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 313 | 7.500 | 27.11 | 0.00 | 1.00 | 0.00 | 5.64 | 3.49 | 0.00 | 3.93 | 0.00 | 0.43 | 0.17 | 0.31 | 0.90 | 0.46 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 314 | 7.400 | 27.15 | 0.00 | 1.00 | 0.00 | 5.64 | 3.41 | 0.00 | 3.85 | 0.00 | 0.42 | 0.16 | 0.31 | 0.88 | 0.46 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 315 | 7.300 | 27.19 | 0.00 | 1.00 | 0.00 | 5.64 | 3.34 | 0.00 | 3.78 | 0.00 | 0.42 | 0.15 | 0.30 | 0.87 | 0.46 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 316 | 7.200 | 27.23 | 0.00 | 1.00 | 0.00 | 5.64 | 3.27 | 0.00 | 3.70 | 0.00 | 0.42 | 0.14 | 0.30 | 0.85 | 0.45 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 317 | 7.100 | 27.26 | 0.00 | 1.00 | 0.00 | 5.64 | 3.20 | 0.00 | 3.63 | 0.00 | 0.42 | 0.13 | 0.29 | 0.84 | 0.45 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 318 | 7.000 | 27.30 | 0.00 | 1.00 | 0.00 | 5.64 | 3.14 | 0.00 | 3.57 | 0.00 | 0.42 | 0.12 | 0.28 | 0.82 | 0.45 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 319 | 6.900 | 27.34 | 0.00 | 1.00 | 0.00 | 5.47 | 4.09 | 0.00 | 4.52 | 0.00 | 0.48 | 0.27 | 0.39 | 1.14 | 0.51 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 320 | 6.800 | 27.38 | 0.00 | 1.00 | 0.00 | 5.50 | 4.00 | 0.00 | 4.43 | 0.00 | 0.48 | 0.26 | 0.39 | 1.12 | 0.51 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 321 | 6.700 | 27.42 | 0.00 | 1.00 | 0.00 | 5.52 | 3.92 | 0.00 | 4.34 | 0.00 | 0.47 | 0.24 | 0.39 | 1.10 | 0.51 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 322 | 6.600 | 27.46 | 0.00 | 1.00 | 0.00 | 5.53 | 3.83 | 0.00 | 4.25 | 0.00 | 0.47 | 0.22 | 0.38 | 1.08 | 0.50 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 323 | 6.500 | 27.50 | 0.00 | 1.00 | 0.00 | 5.54 | 3.75 | 0.00 | 4.17 | 0.00 | 0.47 | 0.21 | 0.38 | 1.06 | 0.50 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 324 | 6.400 | 27.53 | 0.00 | 1.00 | 0.00 | 5.55 | 3.68 | 0.00 | 4.09 | 0.00 | 0.47 | 0.20 | 0.38 | 1.04 | 0.50 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 325 | 6.300 | 27.57 | 0.00 | 1.00 | 0.00 | 5.55 | 3.60 | 0.00 | 4.01 | 0.00 | 0.46 | 0.19 | 0.37 | 1.02 | 0.50 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 326 | 6.200 | 27.61 | 0.00 | 1.00 | 0.00 | 5.55 | 3.53 | 0.00 | 3.94 | 0.00 | 0.46 | 0.18 | 0.37 | 1.00 | 0.49 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 327 | 6.100 | 27.65 | 0.00 | 1.00 | 0.00 | 5.55 | 3.46 | 0.00 | 3.87 | 0.00 | 0.46 | 0.17 | 0.36 | 0.99 | 0.49 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 328 | 6.000 | 27.69 | 0.00 | 1.00 | 0.00 | 5.55 | 3.39 | 0.00 | 3.80 | 0.00 | 0.46 | 0.16 | 0.36 | 0.97 | 0.49 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 329 | 5.900 | 27.73 | 0.00 | 1.00 | 0.00 | 5.55 | 3.33 | 0.00 | 3.73 | 0.00 | 0.45 | 0.15 | 0.35 | 0.96 | 0.49 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | 5.800 | 27.77 | 0.00 | 1.00 | 0.00 | 5.55 | 3.27 | 0.00 | 3.66 | 0.00 | 0.45 | 0.14 | 0.35 | 0.94 | 0.48 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 331 | 5.700 | 27.80 | 0.00 | 1.00 | 0.00 | 5.55 | 3.21 | 0.00 | 3.60 | 0.00 | 0.45 | 0.13 | 0.34 | 0.92 | 0.48 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 332 | 5.600 | 27.84 | 0.00 | 1.00 | 0.00 | 5.55 | 3.15 | 0.00 | 3.54 | 0.00 | 0.45 | 0.12 | 0.34 | 0.91 | 0.48 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 333 | 5.500 | 27.88 | 0.00 | 1.00 | 0.00 | 5.52 | 3.31 | 0.00 | 3.69 | 0.00 | 0.46 | 0.15 | 0.34 | 0.95 | 0.49 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 334 | 5.400 | 27.92 | 0.00 | 1.00 | 0.00 | 5.52 | 3.25 | 0.00 | 3.63 | 0.00 | 0.46 | 0.14 | 0.34 | 0.94 | 0.49 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 335 | 5.300 | 27.96 | 0.00 | 1.00 | 0.00 | 5.52 | 3.19 | 0.00 | 3.57 | 0.00 | 0.46 | 0.13 | 0.34 | 0.93 | 0.49 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 336 | 5.200 | 28.00 | 0.00 | 1.00 | 0.00 | 5.52 | 3.14 | 0.00 | 3.52 | 0.00 | 0.45 | 0.13 | 0.33 | 0.91 | 0.48 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 337 | 5.100 | 28.03 | 0.00 | 1.00 | 0.00 | 5.52 | 3.08 | 0.00 | 3.46 | 0.00 | 0.45 | 0.12 | 0.32 | 0.90 | 0.48 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 338 | 5.000 | 28.07 | 0.00 | 1.00 | 0.00 | 5.52 | 3.03 | 0.00 | 3.41 | 0.00 | 0.45 | 0.11 | 0.32 | 0.88 | 0.48 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 339 | 4.900 | 28.11 | 0.00 | 1.00 | 0.00 | 5.51 | 2.98 | 0.00 | 3.36 | 0.00 | 0.45 | 0.11 | 0.31 | 0.87 | 0.48 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | 4.800 | 28.15 | 0.00 | 1.00 | 0.00 | 5.44 | 3.37 | 0.00 | 3.74 | 0.00 | 0.47 | 0.17 | 0.35 | 1.00 | 0.50 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 341 | 4.700 | 28.19 | 0.00 | 1.00 | 0.00 | 5.45 | 3.32 | 0.00 | 3.69 | 0.00 | 0.47 | 0.16 | 0.35 | 0.98 | 0.50 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 342 | 4.600 | 28.23 | 0.00 | 1.00 | 0.00 | 5.45 | 3.26 | 0.00 | 3.63 | 0.00 | 0.47 | 0.16 | 0.35 | 0.97 | 0.50 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 343 | 4.500 | 28.27 | 0.00 | 1.00 | 0.00 | 5.45 | 3.21 | 0.00 | 3.57 | 0.00 | 0.47 | 0.15 | 0.34 | 0.96 | 0.50 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 344 | 4.400 | 28.30 | 0.00 | 1.00 | 0.00 | 5.46 | 3.16 | 0.00 | 3.52 | 0.00 | 0.46 | 0.14 | 0.34 | 0.94 | 0.49 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 345 | 4.300 | 28.34 | 0.00 | 1.00 | 0.00 | 5.46 | 3.11 | 0.00 | 3.47 | 0.00 | 0.46 | 0.13 | 0.33 | 0.93 | 0.49 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 346 | 4.200 | 28.38 | 0.00 | 1.00 | 0.00 | 5.45 | 3.06 | 0.00 | 3.41 | 0.00 | 0.46 | 0.13 | 0.33 | 0.92 | 0.49 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 347 | 4.100 | 28.42 | 0.00 | 1.00 | 0.00 | 5.45 | 3.01 | 0.00 | 3.37 | 0.00 | 0.46 | 0.12 | 0.32 | 0.90 | 0.49 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 348 | 4.000 | 28.46 | 0.00 | 1.00 | 0.00 | 5.45 | 2.97 | 0.00 | 3.32 | 0.00 | 0.46 | 0.11 | 0.32 | 0.89 | 0.49 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 349 | 3.900 | 28.50 | 0.00 | 1.00 | 0.00 | 5.45 | 2.93 | 0.00 | 3.27 | 0.00 | 0.46 | 0.11 | 0.31 | 0.88 | 0.48 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | 3.800 | 28.54 | 0.00 | 1.00 | 0.00 | 5.44 | 2.88 | 0.00 | 3.23 | 0.00 | 0.45 | 0.10 | 0.31 | 0.87 | 0.48 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 351 | 3.700 | 28.57 | 0.00 | 1.00 | 0.00 | 5.44 | 2.84 | 0.00 | 3.18 | 0.00 | 0.45 | 0.10 | 0.31 | 0.86 | 0.48 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 352 | 3.600 | 28.61 | 0.00 | 1.00 | 0.00 | 5.44 | 2.80 | 0.00 | 3.14 | 0.00 | 0.45 | 0.10 | 0.30 | 0.85 | 0.48 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 353 | 3.500 | 28.65 | 0.00 | 1.00 | 0.00 | 5.43 | 2.76 | 0.00 | 3.10 | 0.00 | 0.45 | 0.09 | 0.30 | 0.84 | 0.48 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 354 | 3.400 | 28.69 | 0.00 | 1.00 | 0.00 | 5.43 | 2.73 | 0.00 | 3.06 | 0.00 | 0.45 | 0.09 | 0.29 | 0.83 | 0.47 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 355 | 3.300 | 28.73 | 0.00 | 1.00 | 0.00 | 5.43 | 2.69 | 0.00 | 3.02 | 0.00 | 0.45 | 0.08 | 0.29 | 0.82 | 0.47 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 356 | 3.200 | 28.77 | 0.00 | 1.00 | 0.00 | 5.42 | 2.66 | 0.00 | 2.98 | 0.00 | 0.44 | 0.08 | 0.28 | 0.81 | 0.47 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 357 | 3.100 | 28.81 | 0.00 | 1.00 | 0.00 | 5.42 | 2.62 | 0.00 | 2.94 | 0.00 | 0.44 | 0.08 | 0.28 | 0.80 | 0.47 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 358 | 3.000 | 28.84 | 0.00 | 1.00 | 0.00 | 5.02 | 5.12 | 0.00 | 5.44 | 0.00 | 0.58 | 0.49 | 0.64 | 1.71 | 0.60 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 359 | 2.900 | 28.88 | 0.00 | 1.00 | 0.00 | 5.06 | 5.04 | 0.00 | 5.36 | 0.00 | 0.57 | 0.47 | 0.64 | 1.69 | 0.60 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 360 | 2.800 | 28.92 | 0.00 | 1.00 | 0.00 | 5.10 | 4.96 | 0.00 | 5.28 | 0.00 | 0.57 | 0.45 | 0.64 | 1.67 | 0.60 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 361 | 2.700 | 28.96 | 0.00 | 1.00 | 0.00 | 5.12 | 4.89 | 0.00 | 5.20 | 0.00 | 0.57 | 0.43 | 0.65 | 1.65 | 0.60 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 362 | 2.600 | 29.00 | 0.00 | 1.00 | 0.00 | 5.15 | 4.81 | 0.00 | 5.12 | 0.00 | 0.57 | 0.41 | 0.65 | 1.63 | 0.59 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 363 | 2.500 | 29.04 | 0.00 | 1.00 | 0.00 | 5.16 | 4.73 | 0.00 | 5.04 | 0.00 | 0.57 | 0.40 | 0.65 | 1.61 | 0.59 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 364 | 2.400 | 29.08 | 0.00 | 1.00 | 0.00 | 5.18 | 4.66 | 0.00 | 4.97 | 0.00 | 0.56 | 0.38 | 0.65 | 1.59 | 0.59 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 365 | 2.300 | 29.11 | 0.00 | 1.00 | 0.00 | 5.19 | 4.59 | 0.00 | 4.89 | 0.00 | 0.56 | 0.37 | 0.65 | 1.58 | 0.59 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 366 | 2.200 | 29.15 | 0.00 | 1.00 | 0.00 | 5.20 | 4.52 | 0.00 | 4.82 | 0.00 | 0.56 | 0.35 | 0.65 | 1.56 | 0.58 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 367 | 2.100 | 29.19 | 0.00 | 1.00 | 0.00 | 5.20 | 4.45 | 0.00 | 4.75 | 0.00 | 0.56 | 0.34 | 0.64 | 1.54 | 0.58 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 368 | 2.000 | 29.23 | 0.00 | 1.00 | 0.00 | 5.21 | 4.38 | 0.00 | 4.68 | 0.00 | 0.56 | 0.32 | 0.64 | 1.52 | 0.58 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 369 | 1.900 | 29.27 | 0.00 | 1.00 | 0.00 | 5.22 | 4.32 | 0.00 | 4.61 | 0.00 | 0.55 | 0.31 | 0.64 | 1.51 | 0.58 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 370 | 1.800 | 29.31 | 0.00 | 1.00 | 0.00 | 5.22 | 4.25 | 0.00 | 4.54 | 0.00 | 0.55 | 0.30 | 0.64 | 1.49 | 0.58 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 371 | 1.700 | 29.34 | 0.00 | 1.00 | 0.00 | 5.22 | 4.19 | 0.00 | 4.47 | 0.00 | 0.55 | 0.29 | 0.63 | 1.47 | 0.57 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 372 | 1.600 | 29.38 | 0.00 | 1.00 | 0.00 | 5.22 | 4.12 | 0.00 | 4.41 | 0.00 | 0.55 | 0.28 | 0.63 | 1.46 | 0.57 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 373 | 1.500 | 29.42 | 0.00 | 1.00 | 0.00 | 5.23 | 4.06 | 0.00 | 4.34 | 0.00 | 0.55 | 0.26 | 0.63 | 1.44 | 0.57 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 374 | 1.400 | 29.46 | 0.00 | 1.00 | 0.00 | 5.23 | 4.00 | 0.00 | 4.28 | 0.00 | 0.54 | 0.25 | 0.62 | 1.42 | 0.57 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 375 | 1.300 | 29.50 | 0.00 | 1.00 | 0.00 | 5.23 | 3.94 | 0.00 | 4.22 | 0.00 | 0.54 | 0.24 | 0.62 | 1.41 | 0.56 | 1.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 376 | 1.200 | 29.54 | 0.00 | 1.00 | 0.00 | 5.23 | 3.88 | 0.00 | 4.16 | 0.00 | 0.54 | 0.24 | 0.61 | 1.39 | 0.56 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 377 | 1.100 | 29.58 | 0.00 | 1.00 | 0.00 | 5.23 | 3.83 | 0.00 | 4.10 | 0.00 | 0.54 | 0.23 | 0.61 | 1.38 | 0.56 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 378 | 1.000 | 29.61 | 0.00 | 1.00 | 0.00 | 5.23 | 3.77 | 0.00 | 4.04 | 0.00 | 0.54 | 0.22 | 0.61 | 1.36 | 0.56 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 379 | 0.900 | 29.65 | 0.00 | 1.00 | 0.00 | 5.23 | 3.72 | 0.00 | 3.98 | 0.00 | 0.54 | 0.21 | 0.60 | 1.35 | 0.56 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 380 | 0.800 | 29.69 | 0.00 | 1.00 | 0.00 | 5.22 | 3.66 | 0.00 | 3.93 | 0.00 | 0.53 | 0.20 | 0.60 | 1.33 | 0.56 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 381 | 0.700 | 29.73 | 0.00 | 1.00 | 0.00 | 5.22 | 3.61 | 0.00 | 3.87 | 0.00 | 0.53 | 0.19 | 0.59 | 1.32 | 0.55 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 382 | 0.600 | 29.77 | 0.00 | 1.00 | 0.00 | 5.22 | 3.56 | 0.00 | 3.82 | 0.00 | 0.53 | 0.19 | 0.58 | 1.30 | 0.55 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 383 | 0.500 | 29.81 | 0.00 | 1.00 | 0.00 | 5.22 | 3.51 | 0.00 | 3.76 | 0.00 | 0.53 | 0.18 | 0.58 | 1.29 | 0.55 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 384 | 0.400 | 29.85 | 0.00 | 1.00 | 0.00 | 5.22 | 3.46 | 0.00 | 3.71 | 0.00 | 0.53 | 0.17 | 0.57 | 1.28 | 0.55 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 385 | 0.300 | 29.88 | 0.00 | 1.00 | 0.00 | 5.22 | 3.41 | 0.00 | 3.66 | 0.00 | 0.53 | 0.17 | 0.57 | 1.26 | 0.55 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 386 | 0.200 | 29.92 | 0.00 | 1.00 | 0.00 | 5.21 | 3.37 | 0.00 | 3.61 | 0.00 | 0.52 | 0.16 | 0.56 | 1.25 | 0.54 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 387 | 0.100 | 29.96 | 0.00 | 1.00 | 0.00 | 5.21 | 3.32 | 0.00 | 3.56 | 0.00 | 0.52 | 0.16 | 0.56 | 1.24 | 0.54 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 388 | 0.000 | 30.00 | 0.00 | 1.00 | 0.00 | 5.21 | 3.28 | 0.00 | 3.52 | 0.00 | 0.52 | 0.15 | 0.55 | 1.22 | 0.54 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 281 | 10.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 282 | 10.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 283 | 10.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 284 | 10.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 285 | 10.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 286 | 10.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 287 | 10.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 288 | 10.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 289 | 9.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 290 | 9.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 291 | 9.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 292 | 9.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 293 | 9.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 294 | 9.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 295 | 9.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 296 | 9.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 297 | 9.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 298 | 9.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 299 | 8.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 300 | 8.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 301 | 8.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 302 | 8.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 303 | 8.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 304 | 8.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 305 | 8.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 306 | 8.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 307 | 8.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 308 | 8.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 309 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 310 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 311 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 312 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 313 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 314 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 315 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 316 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 317 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 318 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 319 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 320 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 321 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 322 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 323 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 324 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 325 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 326 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 327 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 328 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 329 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 330 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 331 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 332 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 333 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 334 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 335 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 336 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 337 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 338 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 339 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 340 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 341 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 342 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 343 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 344 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 345 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 346 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 347 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 348 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 349 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 350 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 351 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 352 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 353 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 354 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 355 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 356 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 357 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 358 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 359 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 360 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 361 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 362 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 363 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 364 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 365 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 366 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 367 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 368 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 369 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 370 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 371 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 372 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 373 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 374 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 375 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 376 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 377 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 378 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 379 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 380 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 381 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 382 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 383 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 384 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 385 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 386 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 387 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 388 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Arnold's Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 7 Arnold Creek TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | HDWTR | 0.00283 | 29.80 | 0.00 | 0.00 | 0.00 | 6.85 | 5.40 | 0.00 | 7.75 | 0.00 | 0.34 | 0.16 | 0.18 | 0.00 | 22.00 | 0.00 | 0.00 |
| 499 | WSTLD | 0.00017 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | WSTLD | 0.00002 | 29.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | WSTLD | 0.00042 | 29.80 | 0.00 | 0.00 | 0.00 | 2.00 | 20.56 | 0.00 | 20.56 | 0.00 | 1.49 | 2.98 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.40 | 7.30 | 0.00283 | 0.0 | 0.00171 | 0.68 | 0.68 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 488 | 7.30 | 7.20 | 0.00283 | 0.0 | 0.00171 | 0.68 | 1.35 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 489 | 7.20 | 7.10 | 0.00283 | 0.0 | 0.00171 | 0.68 | 2.03 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 490 | 7.10 | 7.00 | 0.00283 | 0.0 | 0.00171 | 0.68 | 2.70 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 491 | 7.00 | 6.90 | 0.00283 | 0.0 | 0.00171 | 0.68 | 3.38 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 492 | 6.90 | 6.80 | 0.00283 | 0.0 | 0.00171 | 0.68 | 4.06 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 493 | 6.80 | 6.70 | 0.00283 | 0.0 | 0.00171 | 0.68 | 4.73 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 494 | 6.70 | 6.60 | 0.00283 | 0.0 | 0.00171 | 0.68 | 5.41 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 495 | 6.60 | 6.50 | 0.00283 | 0.0 | 0.00171 | 0.68 | 6.08 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 496 | 6.50 | 6.40 | 0.00283 | 0.0 | 0.00171 | 0.68 | 6.76 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 497 | 6.40 | 6.30 | 0.00283 | 0.0 | 0.00171 | 0.68 | 7.44 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 498 | 6.30 | 6.20 | 0.00283 | 0.0 | 0.00171 | 0.68 | 8.11 | 0.32 | 5.18 | 165.28 | 518.00 | 1.65 | 0.00 | 0.000 | 0.000 | 0.002 |
| 499 | 6.20 | 6.10 | 0.00300 | 5.7 | 0.00180 | 0.64 | 8.75 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 500 | 6.10 | 6.00 | 0.00300 | 5.7 | 0.00180 | 0.64 | 9.40 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 501 | 6.00 | 5.90 | 0.00300 | 5.7 | 0.00180 | 0.64 | 10.04 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 502 | 5.90 | 5.80 | 0.00300 | 5.7 | 0.00180 | 0.64 | 10.68 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 503 | 5.80 | 5.70 | 0.00300 | 5.7 | 0.00180 | 0.64 | 11.32 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 504 | 5.70 | 5.60 | 0.00300 | 5.7 | 0.00180 | 0.64 | 11.97 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 505 | 5.60 | 5.50 | 0.00300 | 5.7 | 0.00180 | 0.64 | 12.61 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 506 | 5.50 | 5.40 | 0.00300 | 5.7 | 0.00180 | 0.64 | 13.25 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 507 | 5.40 | 5.30 | 0.00300 | 5.7 | 0.00180 | 0.64 | 13.89 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 508 | 5.30 | 5.20 | 0.00300 | 5.7 | 0.00180 | 0.64 | 14.54 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 509 | 5.20 | 5.10 | 0.00300 | 5.7 | 0.00180 | 0.64 | 15.18 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 510 | 5.10 | 5.00 | 0.00300 | 5.7 | 0.00180 | 0.64 | 15.82 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 511 | 5.00 | 4.90 | 0.00300 | 5.7 | 0.00180 | 0.64 | 16.46 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 512 | 4.90 | 4.80 | 0.00300 | 5.7 | 0.00180 | 0.64 | 17.11 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 513 | 4.80 | 4.70 | 0.00300 | 5.7 | 0.00180 | 0.64 | 17.75 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 514 | 4.70 | 4.60 | 0.00300 | 5.7 | 0.00180 | 0.64 | 18.39 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 515 | 4.60 | 4.50 | 0.00300 | 5.7 | 0.00180 | 0.64 | 19.03 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 516 | 4.50 | 4.40 | 0.00300 | 5.7 | 0.00180 | 0.64 | 19.68 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 517 | 4.40 | 4.30 | 0.00300 | 5.7 | 0.00180 | 0.64 | 20.32 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 518 | 4.30 | 4.20 | 0.00300 | 5.7 | 0.00180 | 0.64 | 20.96 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 519 | 4.20 | 4.10 | 0.00300 | 5.7 | 0.00180 | 0.64 | 21.60 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 520 | 4.10 | 4.00 | 0.00300 | 5.7 | 0.00180 | 0.64 | 22.25 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 521 | 4.00 | 3.90 | 0.00300 | 5.7 | 0.00180 | 0.64 | 22.89 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 522 | 3.90 | 3.80 | 0.00300 | 5.7 | 0.00180 | 0.64 | 23.53 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 523 | 3.80 | 3.70 | 0.00300 | 5.7 | 0.00180 | 0.64 | 24.17 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 524 | 3.70 | 3.60 | 0.00300 | 5.7 | 0.00180 | 0.64 | 24.81 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 525 | 3.60 | 3.50 | 0.00300 | 5.7 | 0.00180 | 0.64 | 25.46 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 526 | 3.50 | 3.40 | 0.00300 | 5.7 | 0.00180 | 0.64 | 26.10 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 527 | 3.40 | 3.30 | 0.00300 | 5.7 | 0.00180 | 0.64 | 26.74 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 528 | 3.30 | 3.20 | 0.00300 | 5.7 | 0.00180 | 0.64 | 27.38 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 529 | 3.20 | 3.10 | 0.00300 | 5.7 | 0.00180 | 0.64 | 28.03 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 530 | 3.10 | 3.00 | 0.00300 | 5.7 | 0.00180 | 0.64 | 28.67 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 531 | 3.00 | 2.90 | 0.00300 | 5.7 | 0.00180 | 0.64 | 29.31 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 532 | 2.90 | 2.80 | 0.00300 | 5.7 | 0.00180 | 0.64 | 29.95 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 533 | 2.80 | 2.70 | 0.00300 | 5.7 | 0.00180 | 0.64 | 30.60 | 0.32 | 5.18 | 166.52 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 534 | 2.70 | 2.60 | 0.00302 | 6.3 | 0.00181 | 0.64 | 31.24 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 535 | 2.60 | 2.50 | 0.00302 | 6.3 | 0.00181 | 0.64 | 31.87 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 536 | 2.50 | 2.40 | 0.00302 | 6.3 | 0.00181 | 0.64 | 32.51 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 537 | 2.40 | 2.30 | 0.00302 | 6.3 | 0.00181 | 0.64 | 33.15 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 538 | 2.30 | 2.20 | 0.00302 | 6.3 | 0.00181 | 0.64 | 33.79 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 539 | 2.20 | 2.10 | 0.00302 | 6.3 | 0.00181 | 0.64 | 34.43 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 540 | 2.10 | 2.00 | 0.00302 | 6.3 | 0.00181 | 0.64 | 35.07 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 541 | 2.00 | 1.90 | 0.00302 | 6.3 | 0.00181 | 0.64 | 35.71 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 542 | 1.90 | 1.80 | 0.00302 | 6.3 | 0.00181 | 0.64 | 36.35 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 543 | 1.80 | 1.70 | 0.00302 | 6.3 | 0.00181 | 0.64 | 36.98 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 544 | 1.70 | 1.60 | 0.00302 | 6.3 | 0.00181 | 0.64 | 37.62 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 545 | 1.60 | 1.50 | 0.00302 | 6.3 | 0.00181 | 0.64 | 38.26 | 0.32 | 5.18 | 166.66 | 518.00 | 1.67 | 0.00 | 0.000 | 0.000 | 0.002 |
| 546 | 1.50 | 1.40 | 0.00344 | 17.7 | 0.00203 | 0.57 | 38.83 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 547 | 1.40 | 1.30 | 0.00344 | 17.7 | 0.00203 | 0.57 | 39.40 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 548 | 1.30 | 1.20 | 0.00344 | 17.7 | 0.00203 | 0.57 | 39.97 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 549 | 1.20 | 1.10 | 0.00344 | 17.7 | 0.00203 | 0.57 | 40.54 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 550 | 1.10 | 1.00 | 0.00344 | 17.7 | 0.00203 | 0.57 | 41.11 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 551 | 1.00 | 0.90 | 0.00344 | 17.7 | 0.00203 | 0.57 | 41.68 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 552 | 0.90 | 0.80 | 0.00344 | 17.7 | 0.00203 | 0.57 | 42.25 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 553 | 0.80 | 0.70 | 0.00344 | 17.7 | 0.00203 | 0.57 | 42.82 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 554 | 0.70 | 0.60 | 0.00344 | 17.7 | 0.00203 | 0.57 | 43.39 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 555 | 0.60 | 0.50 | 0.00344 | 17.7 | 0.00203 | 0.57 | 43.96 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 556 | 0.50 | 0.40 | 0.00344 | 17.7 | 0.00203 | 0.57 | 44.53 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 557 | 0.40 | 0.30 | 0.00344 | 17.7 | 0.00203 | 0.57 | 45.10 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 558 | 0.30 | 0.20 | 0.00344 | 17.7 | 0.00203 | 0.57 | 45.67 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 559 | 0.20 | 0.10 | 0.00344 | 17.7 | 0.00203 | 0.57 | 46.24 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |
| 560 | 0.10 | 0.00 | 0.00344 | 17.7 | 0.00203 | 0.57 | 46.81 | 0.33 | 5.18 | 169.45 | 518.00 | 1.69 | 0.00 | 0.000 | 0.000 | 0.002 |

TOT 46.81 12353.25 38332.00
AVG 0.0018 0.32 5.18 1.67

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 7.200 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 7.100 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 7.000 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 6.900 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 6.800 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 6.700 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 6.600 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 6.500 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 6.400 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 6.300 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 6.200 | 7.08 | 2.82 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 6.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 6.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 5.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 5.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 5.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 5.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 5.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 5.400 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 5.300 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 5.200 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 5.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 5.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 4.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 4.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 4.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 4.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 4.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 4.400 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 4.300 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 518 | 4.200 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 4.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 4.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 3.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 3.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 3.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 3.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 3.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 3.400 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 3.300 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 3.200 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 3.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 530 | 3.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 2.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 532 | 2.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 533 | 2.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | 2.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 535 | 2.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 536 | 2.400 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 537 | 2.300 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 538 | 2.200 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 539 | 2.100 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 540 | 2.000 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 541 | 1.900 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 542 | 1.800 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 543 | 1.700 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 544 | 1.600 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 545 | 1.500 | 7.08 | 2.80 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | 1.400 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 547 | 1.300 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 548 | 1.200 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 549 | 1.100 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 550 | 1.000 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 551 | 0.900 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 552 | 0.800 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 553 | 0.700 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 554 | 0.600 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 555 | 0.500 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 556 | 0.400 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 557 | 0.300 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 558 | 0.200 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 559 | 0.100 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 560 | 0.000 | 7.08 | 2.75 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.65 | 0.65 | 0.01 | 0.00 | 0.55 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.17 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 33.90 | 0.00 | 1.00 | 0.00 | 6.88 | 5.01 | 0.00 | 7.36 | 0.00 | 0.15 | 0.12 | 0.14 | 0.41 | 0.34 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 488 | 7.200 | 33.90 | 0.00 | 1.00 | 0.00 | 6.91 | 4.66 | 0.00 | 7.01 | 0.00 | 0.15 | 0.09 | 0.09 | 0.32 | 0.34 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 489 | 7.100 | 33.90 | 0.00 | 1.00 | 0.00 | 6.94 | 4.35 | 0.00 | 6.70 | 0.00 | 0.15 | 0.06 | 0.04 | 0.25 | 0.34 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 490 | 7.000 | 33.90 | 0.00 | 1.00 | 0.00 | 6.96 | 4.08 | 0.00 | 6.43 | 0.00 | 0.15 | 0.05 | 0.00 | 0.20 | 0.33 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 491 | 6.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.98 | 3.82 | 0.00 | 6.17 | 0.00 | 0.15 | 0.04 | 0.00 | 0.18 | 0.33 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 492 | 6.800 | 33.90 | 0.00 | 1.00 | 0.00 | 6.99 | 3.58 | 0.00 | 5.93 | 0.00 | 0.15 | 0.03 | 0.00 | 0.17 | 0.33 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 493 | 6.700 | 33.90 | 0.00 | 1.00 | 0.00 | 7.00 | 3.35 | 0.00 | 5.70 | 0.00 | 0.14 | 0.02 | 0.00 | 0.16 | 0.33 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 494 | 6.600 | 33.90 | 0.00 | 1.00 | 0.00 | 7.01 | 3.14 | 0.00 | 5.49 | 0.00 | 0.14 | 0.02 | 0.00 | 0.16 | 0.33 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 495 | 6.500 | 33.90 | 0.00 | 1.00 | 0.00 | 7.02 | 2.94 | 0.00 | 5.29 | 0.00 | 0.14 | 0.01 | 0.00 | 0.15 | 0.33 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 496 | 6.400 | 33.90 | 0.00 | 1.00 | 0.00 | 7.03 | 2.75 | 0.00 | 5.10 | 0.00 | 0.14 | 0.01 | 0.00 | 0.15 | 0.33 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 497 | 6.300 | 33.90 | 0.00 | 1.00 | 0.00 | 7.03 | 2.58 | 0.00 | 4.92 | 0.00 | 0.14 | 0.01 | 0.00 | 0.15 | 0.33 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 498 | 6.200 | 33.90 | 0.00 | 1.00 | 0.00 | 7.04 | 2.41 | 0.00 | 4.76 | 0.00 | 0.14 | 0.01 | 0.00 | 0.14 | 0.32 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 499 | 6.100 | 33.90 | 0.00 | 1.00 | 0.00 | 6.90 | 2.14 | 0.00 | 4.49 | 0.00 | 0.13 | 0.01 | 0.00 | 0.13 | 0.32 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 500 | 6.000 | 33.90 | 0.00 | 1.00 | 0.00 | 7.00 | 2.01 | 0.00 | 4.36 | 0.00 | 0.13 | 0.01 | 0.00 | 0.13 | 0.31 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 501 | 5.900 | 33.90 | 0.00 | 1.00 | 0.00 | 7.04 | 1.89 | 0.00 | 4.24 | 0.00 | 0.13 | 0.00 | 0.00 | 0.13 | 0.31 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 502 | 5.800 | 33.90 | 0.00 | 1.00 | 0.00 | 7.05 | 1.77 | 0.00 | 4.12 | 0.00 | 0.13 | 0.00 | 0.00 | 0.13 | 0.31 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 503 | 5.700 | 33.90 | 0.00 | 1.00 | 0.00 | 7.06 | 1.67 | 0.00 | 4.02 | 0.00 | 0.12 | 0.00 | 0.00 | 0.13 | 0.31 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 504 | 5.600 | 33.90 | 0.00 | 1.00 | 0.00 | 7.06 | 1.57 | 0.00 | 3.92 | 0.00 | 0.12 | 0.00 | 0.00 | 0.13 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 505 | 5.500 | 33.90 | 0.00 | 1.00 | 0.00 | 7.07 | 1.47 | 0.00 | 3.82 | 0.00 | 0.12 | 0.00 | 0.00 | 0.13 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 506 | 5.400 | 33.90 | 0.00 | 1.00 | 0.00 | 7.07 | 1.38 | 0.00 | 3.73 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 507 | 5.300 | 33.90 | 0.00 | 1.00 | 0.00 | 7.07 | 1.30 | 0.00 | 3.65 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 508 | 5.200 | 33.90 | 0.00 | 1.00 | 0.00 | 7.07 | 1.22 | 0.00 | 3.57 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 509 | 5.100 | 33.90 | 0.00 | 1.00 | 0.00 | 7.07 | 1.15 | 0.00 | 3.50 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.31 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 510 | 5.000 | 33.90 | 0.00 | 1.00 | 0.00 | 7.07 | 1.08 | 0.00 | 3.43 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.30 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 511 | 4.900 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 1.01 | 0.00 | 3.36 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.30 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |
| 512 | 4.800 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 0.95 | 0.00 | 3.30 | 0.00 | 0.12 | 0.00 | 0.00 | 0.12 | 0.30 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 513 | 4.700 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 0.89 | 0.00 | 3.24 | 0.00 | 0.11 | 0.00 | 0.00 | 0.12 | 0.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 514 | 4.600 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 0.84 | 0.00 | 3.19 | 0.00 | 0.11 | 0.00 | 0.00 | 0.12 | 0.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 515 | 4.500 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 0.79 | 0.00 | 3.14 | 0.00 | 0.11 | 0.00 | 0.00 | 0.12 | 0.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 516 | 4.400 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 0.74 | 0.00 | 3.09 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 517 | 4.300 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 0.70 | 0.00 | 3.05 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 518 | 4.200 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 0.65 | 0.00 | 3.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 519 | 4.100 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 0.61 | 0.00 | 2.96 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 520 | 4.000 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.58 | 0.00 | 2.93 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.29 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 521 | 3.900 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.54 | 0.00 | 2.89 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.29 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 522 | 3.800 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.51 | 0.00 | 2.86 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.29 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 523 | 3.700 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.48 | 0.00 | 2.83 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 524 | 3.600 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.45 | 0.00 | 2.80 | 0.00 | 0.10 | 0.00 | 0.00 | 0.11 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 525 | 3.500 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.42 | 0.00 | 2.77 | 0.00 | 0.10 | 0.00 | 0.00 | 0.11 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 526 | 3.400 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.40 | 0.00 | 2.75 | 0.00 | 0.10 | 0.00 | 0.00 | 0.11 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 527 | 3.300 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.37 | 0.00 | 2.72 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 528 | 3.200 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.35 | 0.00 | 2.70 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 529 | 3.100 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.33 | 0.00 | 2.68 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 530 | 3.000 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.31 | 0.00 | 2.66 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 531 | 2.900 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.29 | 0.00 | 2.64 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 532 | 2.800 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.27 | 0.00 | 2.62 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.28 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 533 | 2.700 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.26 | 0.00 | 2.61 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.28 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 534 | 2.600 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 0.24 | 0.00 | 2.59 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 535 | 2.500 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.23 | 0.00 | 2.58 | 0.00 | 0.09 | 0.00 | 0.00 | 0.10 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 536 | 2.400 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.21 | 0.00 | 2.56 | 0.00 | 0.09 | 0.00 | 0.00 | 0.10 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 537 | 2.300 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.20 | 0.00 | 2.55 | 0.00 | 0.09 | 0.00 | 0.00 | 0.10 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 538 | 2.200 | 33.90 | 0.00 | 1.00 | 0.00 | 7.09 | 0.19 | 0.00 | 2.54 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 539 | 2.100 | 33.90 | 0.00 | 1.00 | 0.00 | 7.10 | 0.18 | 0.00 | 2.53 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 540 | 2.000 | 33.90 | 0.00 | 1.00 | 0.00 | 7.10 | 0.17 | 0.00 | 2.52 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 541 | 1.900 | 33.90 | 0.00 | 1.00 | 0.00 | 7.10 | 0.16 | 0.00 | 2.51 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 542 | 1.800 | 33.90 | 0.00 | 1.00 | 0.00 | 7.10 | 0.15 | 0.00 | 2.50 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 543 | 1.700 | 33.90 | 0.00 | 1.00 | 0.00 | 7.10 | 0.14 | 0.00 | 2.49 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.28 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 544 | 1.600 | 33.90 | 0.00 | 1.00 | 0.00 | 7.10 | 0.13 | 0.00 | 2.48 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.27 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 545 | 1.500 | 33.90 | 0.00 | 1.00 | 0.00 | 7.10 | 0.12 | 0.00 | 2.47 | 0.00 | 0.09 | 0.00 | 0.00 | 0.09 | 0.27 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 546 | 1.400 | 33.90 | 0.00 | 1.00 | 0.00 | 6.69 | 2.48 | 0.00 | 4.83 | 0.00 | 0.26 | 0.28 | 0.00 | 0.54 | 0.44 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 547 | 1.300 | 33.90 | 0.00 | 1.00 | 0.00 | 6.80 | 2.34 | 0.00 | 4.69 | 0.00 | 0.25 | 0.22 | 0.00 | 0.47 | 0.44 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 548 | 1.200 | 33.90 | 0.00 | 1.00 | 0.00 | 6.88 | 2.22 | 0.00 | 4.57 | 0.00 | 0.25 | 0.17 | 0.00 | 0.42 | 0.44 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 549 | 1.100 | 33.90 | 0.00 | 1.00 | 0.00 | 6.93 | 2.10 | 0.00 | 4.45 | 0.00 | 0.25 | 0.13 | 0.00 | 0.38 | 0.44 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 550 | 1.000 | 33.90 | 0.00 | 1.00 | 0.00 | 6.96 | 1.99 | 0.00 | 4.34 | 0.00 | 0.25 | 0.10 | 0.00 | 0.35 | 0.44 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 551 | 0.900 | 33.90 | 0.00 | 1.00 | 0.00 | 6.99 | 1.88 | 0.00 | 4.23 | 0.00 | 0.25 | 0.08 | 0.00 | 0.32 | 0.43 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 552 | 0.800 | 33.90 | 0.00 | 1.00 | 0.00 | 7.01 | 1.78 | 0.00 | 4.13 | 0.00 | 0.24 | 0.06 | 0.00 | 0.31 | 0.43 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 553 | 0.700 | 33.90 | 0.00 | 1.00 | 0.00 | 7.03 | 1.68 | 0.00 | 4.03 | 0.00 | 0.24 | 0.05 | 0.00 | 0.29 | 0.43 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 554 | 0.600 | 33.90 | 0.00 | 1.00 | 0.00 | 7.04 | 1.59 | 0.00 | 3.94 | 0.00 | 0.24 | 0.04 | 0.00 | 0.28 | 0.43 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 555 | 0.500 | 33.90 | 0.00 | 1.00 | 0.00 | 7.05 | 1.51 | 0.00 | 3.86 | 0.00 | 0.24 | 0.03 | 0.00 | 0.27 | 0.43 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 556 | 0.400 | 33.90 | 0.00 | 1.00 | 0.00 | 7.06 | 1.43 | 0.00 | 3.78 | 0.00 | 0.24 | 0.02 | 0.00 | 0.26 | 0.42 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 557 | 0.300 | 33.90 | 0.00 | 1.00 | 0.00 | 7.06 | 1.35 | 0.00 | 3.70 | 0.00 | 0.24 | 0.02 | 0.00 | 0.26 | 0.42 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 558 | 0.200 | 33.90 | 0.00 | 1.00 | 0.00 | 7.07 | 1.28 | 0.00 | 3.63 | 0.00 | 0.23 | 0.02 | 0.00 | 0.25 | 0.42 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 559 | 0.100 | 33.90 | 0.00 | 1.00 | 0.00 | 7.07 | 1.21 | 0.00 | 3.56 | 0.00 | 0.23 | 0.01 | 0.00 | 0.25 | 0.42 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |
| 560 | 0.000 | 33.90 | 0.00 | 1.00 | 0.00 | 7.08 | 1.15 | 0.00 | 3.50 | 0.00 | 0.23 | 0.01 | 0.00 | 0.24 | 0.42 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 488 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 489 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 490 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 491 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 492 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 493 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 494 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 495 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 496 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 497 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 498 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 499 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 500 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 501 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 502 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 503 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 504 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 505 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 506 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 507 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 508 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 509 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 510 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 511 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 512 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 513 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 514 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 515 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 516 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 517 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 518 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 519 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 520 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 521 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 522 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 523 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 524 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 525 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 526 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 527 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 528 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 529 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 530 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 531 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 532 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 533 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 534 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 535 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 536 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 537 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 538 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 539 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 540 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 541 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 542 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 543 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 544 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 545 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 546 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 547 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 548 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 549 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 550 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 551 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 552 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 553 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 554 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 555 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 556 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 557 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 558 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 559 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 560 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

REACH SUMMARY REPORT: Pont. Creek

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Pontchatoula (Head to PTS) | 40.60 | 28.40 | 12.20 | 34.77 | 0.00632 | 0.00406 | 0.357 | 2.74 | 0.223 | 0.013 | 1.172 | 8.99 |
| 3 | Pontchatoula (PTS to YWRC) | 28.40 | 24.70 | 3.70 | 0.89 | -0.01976 | 0.04795 | 0.157 | 3.35 | -0.698 | 0.157 | 0.516 | 10.99 |
| 4 | Pontchatoula (YWRC to EPON) | 24.70 | 20.70 | 4.00 | -4.97 | -0.00487 | -0.00931 | 0.386 | 3.08 | -0.172 | -0.031 | 1.266 | 10.11 |
| 6 | Pontchatoula (EPON to Arnold) | 20.70 | 10.90 | 9.80 | 0.32 | 0.51675 | 0.35389 | 0.140 | 3.20 | 18.246 | 1.161 | 0.460 | 10.50 |
| 8 | Pontchatoula (Arnold to YWR) | 10.90 | 6.60 | 4.30 | 0.84 | 0.52774 | 0.05903 | 0.485 | 18.29 | 18.634 | 0.194 | 1.592 | 60.01 |
| 9 | Pontchatoula (YWR to base) | 6.60 | 0.00 | 6.60 | 11.48 | 0.52903 | 0.00666 | 1.533 | 51.82 | 18.680 | 0.022 | 5.030 | 170.02 |

REACH SUMMARY REPORT: Pont. Trib.

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Pontchatoula Trib. | 8.00 | 0.00 | 8.00 | 4.01 | 0.01055 | 0.02310 | 0.150 | 0.91 | 0.373 | 0.076 | 0.491 | 2.99 |

REACH SUMMARY REPORT: East Pont.

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | East Pontchatoula | 10.90 | 0.00 | 10.90 | 20.51 | 0.01740 | 0.00615 | 0.328 | 3.87 | 0.614 | 0.020 | 1.076 | 12.70 |

REACH SUMMARY REPORT: Arnold's Creek

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | Arnold Creek | 7.40 | 0.00 | 7.40 | 46.81 | 0.00344 | 0.00183 | 0.322 | 5.18 | 0.121 | 0.006 | 1.057 | 17.00 |

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

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STREAM SUMMARY REPORT: Pont. Creek

 TRAVEL TIME       =          43.33 DAYS
 MAXIMUM EFFLUENT  =         153.99 PERCENT

 FLOW              =  -0.01976 TO    0.52903   m³/s
 DISPERSION        =   0.0000  TO   35.0000    m²/s
 VELOCITY          =  -0.03848 TO    1.03346   m/s
 DEPTH             =   0.10    TO    1.53      m
 WIDTH             =   2.74    TO   51.82      m

 BOD DECAY         =    0.05   TO    0.08      per day
 NH3 DECAY         =    0.40   TO    0.55      per day
 SOD               =    0.00   TO    1.81      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    0.55   TO   12.85      per day
 BOD SETTLING      =    0.01   TO    0.12      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   30.00   TO   33.90      deg C
 DISSOLVED OXYGEN  =    5.87   TO    8.27      mg/L

STREAM SUMMARY REPORT: Pont. Trib.

 TRAVEL TIME       =           4.01 DAYS
 MAXIMUM EFFLUENT  =          73.18 PERCENT

 FLOW              =   0.00283 TO    0.01055   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.02122 TO    0.06688   m/s
 DEPTH             =   0.15    TO    0.17      m
 WIDTH             =   0.91    TO    0.91      m

 BOD DECAY         =    0.05   TO    0.05      per day
 NH3 DECAY         =    0.39   TO    0.40      per day
 SOD               =    0.00   TO    0.00      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    7.91   TO   11.24      per day
 BOD SETTLING      =    0.07   TO    0.09      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   29.80   TO   30.00      deg C
 DISSOLVED OXYGEN  =    6.26   TO    7.59      mg/L

STREAM SUMMARY REPORT: East Pont.

 TRAVEL TIME       =          20.51 DAYS
 MAXIMUM EFFLUENT  =          31.20 PERCENT

 FLOW              =   0.00292 TO    0.01740   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.00265 TO    0.01257   m/s
 DEPTH             =   0.28    TO    0.36      m
 WIDTH             =   3.87    TO    3.87      m

 BOD DECAY         =    0.04   TO    0.05      per day
 NH3 DECAY         =    0.29   TO    0.40      per day
 SOD               =    1.81   TO    2.35      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    2.68   TO    2.84      per day
 BOD SETTLING      =    0.04   TO    0.04      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   25.84   TO   30.00      deg C
 DISSOLVED OXYGEN  =    5.02   TO    6.33      mg/L

STREAM SUMMARY REPORT: Arnold's Creek
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TRAVEL TIME       =          46.81 DAYS
MAXIMUM EFFLUENT  =          17.73 PERCENT

FLOW              =   0.00283 TO    0.00344   m³/s
DISPERSION        =   0.0000  TO    0.0000    m²/s
VELOCITY          =   0.00171 TO    0.00203   m/s
DEPTH             =   0.32    TO    0.33      m
WIDTH             =   5.18    TO    5.18      m

BOD DECAY         =    0.06   TO    0.06      per day
NH3 DECAY         =    0.55   TO    0.55      per day
SOD               =    0.65   TO    0.65      g/m²/d
NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
REAERATION        =    2.75   TO    2.82      per day
BOD SETTLING      =    0.04   TO    0.04      per day
ORG-N DECAY       =    0.01   TO    0.01      per day
ORG-N SETTLING    =    0.00   TO    0.00      per day

TEMPERATURE       =   33.90   TO   33.90      deg C
DISSOLVED OXYGEN  =    6.69   TO    7.10      mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation
```

INPUT/OUTPUT LOADING SUMMARY

| | FLOW m³/s | DO kg/d | BOD1 kg/d | BOD2 kg/d | ORG-N kg/d | NH3-N kg/d | NO3-N kg/d | ORG-P kg/d | PO4-P kg/d | CHL A | PERIP | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HEADWATER FLOW | 0.01132 | 6.70 | 4.71 | 0.00 | 0.48 | 0.08 | 0.09 | 0.00 | 0.00 | 0.00 | | 0.00 |
| INCREMENTAL INFLOW | 0.53820 | 318.53 | 395.35 | 0.00 | 14.59 | 3.99 | 16.16 | 0.00 | 0.00 | 0.00 | | 0.00 |
| INCREMENTAL OUTFLOW | 0.00000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| WASTELOADS | 0.03331 | 9.14 | 40.95 | 0.00 | 3.26 | 5.54 | 5.58 | 0.00 | 0.00 | 0.00 | | 0.00 |
| WITHDRAWLS | -0.05380 | -35.60 | -16.64 | 0.00 | -3.21 | -1.01 | -1.52 | 0.00 | 0.00 | 0.00 | | 0.00 |
| FLOW THRU LOWER BNDRY | -0.52903 | -316.47 | -245.51 | 0.00 | -17.21 | -1.78 | -3.44 | 0.00 | 0.00 | 0.00 | | 0.00 |
| DISPERSION THRU LOWER BNDRY | | -177.02 | 118.86 | 0.00 | 4.72 | 2.33 | 20.95 | 0.00 | 0.00 | 0.00 | | 0.00 |
| DISPERSION THRU HDWTR BNDRY | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| NON-POINT INPUT | | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | 0.00 |
| NATURAL REAERATION | | 105.02 | | | | | | | | | | |
| DAM REAERATION | | 0.00 | | | | | | | | | | |
| SOD BACKGROUND | | -542.92 | | | | | | | | | | |
| BOD1 DECAY | | -240.47 | -240.47 | | | | | | | | | |
| BOD1 SETTLING | | 0.00 | -39.71 | | | | | | | | | |
| ANAEROBIC BOD1 DECAY | | | 0.00 | | | | | | | | | |
| BOD2 DECAY | | 0.00 | | 0.00 | | | | | | | | |
| BOD2 SETTLING | | 0.00 | | 0.00 | | | | | | | | |
| ANAEROBIC BOD2 DECAY | | | | 0.00 | | | | | | | | |
| BOD2 HYDROLYSIS | | | 0.00 | 0.00 | | | | | | | | |
| ORG-N DECAY | | 0.00 | | | -2.62 | 2.62 | | | | | | |
| ORG-N SETTLING | | | | | 0.00 | 0.00 | | | | | | |
| NH3-N DECAY (NITRIFICATION) | | -50.95 | | | | -11.77 | 11.77 | | | | | |
| NH3-N BACKGROUND SEDIMENT SOURCE | | | | | | 0.00 | | | | | | |
| DENITRIFICATION | | | -17.52 | | | | -6.13 | | | | | |
| ORG-P HYDROLYSIS | | | | | | | | 0.00 | 0.00 | | | |
| ORG-P SETTLING | | | | | | | | 0.00 | 0.00 | | | |
| PO4-P BACKGROUND SEDIMENT SOURCE | | | | | | | | | 0.00 | | | |
| PHYTOPLANKTON GROWTH/PHOTOSYNTHESIS | | 924.01 | | | | 0.00 | -46.20 | | 0.00 | 0.00 | | |
| PHYTOPLANKTON RESPIRATION/EXCRETION | | 0.00 | | | | 0.00 | | | 0.00 | 0.00 | | |
| PHYTOPLANKTON SETTLING | | 0.00 | | | | 0.00 | | | 0.00 | 0.00 | | |
| PHYTOPLANKTON DEATH | | | 0.00 | 0.00 | 0.00 | | | 0.00 | | 0.00 | | |
| PERIPHYTON GROWTH/PHOTOSYNTHESIS | | 0.00 | | | | 0.00 | 0.00 | | 0.00 | | 0.00 | |
| PERIPHYTON RESPIRATION/EXCRETION | | 0.00 | | | | 0.00 | | | 0.00 | | 0.00 | |
| PERIPHYTON DEATH | | | 0.00 | 0.00 | 0.00 | | | 0.00 | | | 0.00 | |
| NCM DECAY | | 0.00 | | | | | | | | | | 0.00 |
| NCM SETTLING | | 0.00 | | | | | | | | | | 0.00 |
| TOTAL INPUTS | 0.58283 | 1363.39 | 559.87 | 0.00 | 23.05 | 14.56 | 54.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL OUTPUTS | -0.58283 | -1363.43 | -559.86 | 0.00 | -23.05 | -14.56 | -57.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NET CONVERGENCE ERROR | 0.00000 | -0.04 | 0.01 | 0.00 | 0.00 | 0.00 | -2.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

.....EXECUTION COMPLETED

## Winter TMDL LA-QUAL model output

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LA-QUAL Version 9.05
Louisiana Department of Environmental Quality

Input file is C:\Users\sarah.bradbury\Documents\My files\LA TMDL\Report\040504_040505(Yellow_Ponchatoula)\Ponchatoula_TMDL_Winter.txt
Running in steady-state mode using LA defaults
Output produced at 17:03 on 11/28/2011

$$$ DATA TYPE 1 (TITLES AND CONTROL CARDS) $$$

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL Model for Ponchatoula Creek Watershed
TITLE02         TMDL Simulation
CONTROL   YES   METRIC UNITS
ENDATA01

$$$ DATA TYPE 2 (MODEL OPTIONS) $$$

CARD TYPE       MODEL OPTION

MODOPT01   NO   TEMPERATURE
MODOPT02   NO   SALINITY
MODOPT03   NO   CONSERVATIVE MATERIAL #1                        UNITS =
MODOPT04   NO   CONSERVATIVE MATERIAL #2                        UNITS =
MODOPT05  YES   DISSOLVED OXYGEN
MODOPT06  YES   BOD1 BIOCHEMICAL OXYGEN DEMAND #1
MODOPT07   NO   BOD2 BIOCHEMICAL OXYGEN DEMAND #2
MODOPT08  YES   NITROGEN SERIES
MODOPT09   NO   PHOSPHORUS
MODOPT10   NO   CHLOROPHYLL A
MODOPT11   NO   MACROPHYTES
MODOPT12   NO   COLIFORMS
MODOPT13   NO   NONCONSERVATIVE MATERIAL                        UNITS =
ENDATA02

$$$ DATA TYPE 3 (PROGRAM CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

PROGRAM         HYDRAULIC CALCULATION METHOD       =         2.00000 (widths and depths)
PROGRAM         INHIBITION CONTROL VALUE           =         0.00000 (no oxygen dependent rates)
PROGRAM         OCEAN EXCHANGE RATIO               =         0.50000
PROGRAM         TIDE HEIGHT                        =         0.07000 meters
PROGRAM         TIDAL PERIOD                       =        12.00000 hours
PROGRAM         PERIOD OF TIDAL RISE               =         6.00000 hours
ENDATA03

$$$ DATA TYPE 4 (TEMPERATURE CORRECTION CONSTANTS FOR RATE COEFFICIENTS) $$$

 CARD TYPE     RATE CODE     THETA VALUE

ENDATA04

$$$ CONSTANTS TYPE 5 (TEMPERATURE DATA) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA05

$$$ DATA TYPE 6 (PHYTOPLANKTON CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA06

$$$ DATA TYPE 7 (PERIPHYTON CONSTANTS) $$$

CARD TYPE       DESCRIPTION OF CONSTANT                       VALUE

ENDATA07
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$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                                      BEGIN        END    ELEM   REACH    ELEMS  BEGIN   END
CARD TYPE  REACH  ID  NAME                            REACH       REACH  LENGTH  LENGTH  PER RCH  ELEM   ELEM
                                                        km          km      km      km            NUM    NUM

REACH ID     1   P6  Pontchatoula (Head to PTS)      40.60  TO  28.40  0.1000   12.20     122      1    122
REACH ID     2   PT  Pontchatoula Trib.               8.00  TO   0.00  0.1000    8.00      80    123    202
REACH ID     3   P5  Pontchatoula (PTS to YWRC)      28.40  TO  24.70  0.1000    3.70      37    203    239
REACH ID     4   P4  Pontchatoula (YWRC to EPON)     24.70  TO  20.70  0.1000    4.00      40    240    279
REACH ID     5   EP  East Pontchatoula               10.90  TO   0.00  0.1000   10.90     109    280    388
REACH ID     6   P3  Pontchatoula (EPON to Arnold)   20.70  TO  10.90  0.1000    9.80      98    389    486
REACH ID     7   AC  Arnold Creek                     7.40  TO   0.00  0.1000    7.40      74    487    560
REACH ID     8   P2  Pontchatoula (Arnold to YWR)    10.90  TO   6.60  0.1000    4.30      43    561    603
REACH ID     9   P1  Pontchatoula (YWR to base)       6.60  TO   0.00  0.1000    6.60      66    604    669
ENDATA08

$$$ DATA TYPE 9 (ADVECTIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID      WIDTH      WIDTH      WIDTH      DEPTH      DEPTH      DEPTH     SLOPE   MANNINGS
                           "A"        "B"        "C"        "D"        "E"        "F"                "N"

HYDR-1       1   P6      0.000      0.000      2.740      0.720      0.128      0.000   0.00070   0.000
HYDR-1       2   PT      0.000      0.000      0.910      0.310      0.128      0.000   0.00100   0.000
HYDR-1       3   P5      0.000      0.000      3.350      0.253      0.128      0.000   0.00080   0.000
HYDR-1       4   P4      0.000      0.000      3.080      0.680      0.128      0.000   0.00080   0.000
HYDR-1       5   EP      0.000      0.000      3.870      0.600      0.128      0.000   0.00080   0.000
HYDR-1       6   P3      0.000      0.000      3.200      0.170      0.128      0.000   0.00050   0.000
HYDR-1       7   AC      0.000      0.000      5.180      0.675      0.128      0.000   0.00090   0.000
HYDR-1       8   P2      0.000      0.000     18.290      0.527      0.128      0.000   0.00070   0.000
HYDR-1       9   P1      0.000      0.000     51.820      1.663      0.128      0.000   0.00050   0.000
ENDATA09

$$$ DATA TYPE 10 (DISPERSIVE HYDRAULIC COEFFICIENTS) $$$

CARD TYPE  REACH  ID     TIDAL     DISPERSION     DISPERSION     DISPERSION     DISPERSION
                         RANGE        "A"            "B"            "C"            "D"

HYDR         1   P6      0.00       0.000          0.000          0.000          0.000
HYDR         2   PT      0.00       0.000          0.000          0.000          0.000
HYDR         3   P5      0.00       0.000          0.000          0.000          0.000
HYDR         4   P4      0.00       0.000          0.000          0.000          0.000
HYDR         5   EP      0.00       0.000          0.000          0.000          0.000
HYDR         6   P3      0.00       0.000          0.000          0.000          0.000
HYDR         7   AC      0.00       0.000          0.000          0.000          0.000
HYDR         8   P2      0.50      25.000          0.200          0.300          1.200
HYDR         9   P1      1.00      35.000          0.200          0.300          1.200
ENDATA10

$$$ DATA TYPE 11 (INITIAL CONDITIONS) $$$

CARD TYPE      REACH  ID     TEMP    SALIN       DO    NH3-N    NO3-N    PO4-P    CHL A    PERIP     BOD1     BOD2    ORG-N    ORG-P     COLI      NCM     CM-1     CM-2
                                   deg C      ppt     mg/L     mg/L     mg/L     mg/L     µg/L     g/m²     mg/L     mg/L     mg/L     mg/L  #/100mL

INITIAL          1   P6    20.00     0.00     7.40     0.30     0.00     0.00     1.50     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          2   PT    20.00     0.00     6.87     0.15     0.00     0.00     6.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          3   P5    20.00     0.00     7.40     0.30     0.00     0.00     1.50     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          4   P4    20.00     0.00     7.80     0.10     0.00     0.00    42.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          5   EP    20.00     0.00     3.30     0.11     0.00     0.00     5.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          6   P3    20.00     0.00     6.46     0.17     0.00     0.00     2.25     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          7   AC    20.00     0.00     5.10     0.54     0.00     0.00    22.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          8   P2    20.00     0.00     5.10     0.54     0.00     0.00    22.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
INITIAL          9   P1    20.00     0.00     5.30     0.15     0.00     0.00    19.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
ENDATA11

$$$ DATA TYPE 12 (REAERATION, SEDIMENT OXYGEN DEMAND, BOD COEFFICIENTS) $$$
                                                                   AEROB                SETTLD    ANAER    AEROB                          ANAER     BOD2
CARD     RCH  RCH  K2                    K2       K2       K2    BKGRND      BOD      BOD      SOD      BOD     BOD2     BOD2              DECAY  HYDR TO
TYPE     NUM   ID  OPT                  "A"      "B"      "C"       SOD    DECAY     SETT    AVAIL    DECAY    DECAY     SETT              DECAY     BOD1
                                                                  g/m²/d  per day      m/d     frac  per day  per day      m/d            per day  per day

COEFF-1    1   P6  15 LOUISIANA       0.000    0.000    0.000    0.000    0.030    0.010    0.000    0.000    0.000    0.000              0.000    0.000
COEFF-1    2   PT  15 LOUISIANA       0.000    0.000    0.000    0.000    0.030    0.010    0.000    0.000    0.000    0.000              0.000    0.000
COEFF-1    3   P5  15 LOUISIANA       0.000    0.000    0.000    0.000    0.030    0.010    0.000    0.000    0.000    0.000              0.000    0.000
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COEFF-1    4   P4  15 LOUISIANA        0.000     0.000     0.000     0.000     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    5   EP  15 LOUISIANA        0.000     0.000     0.000     2.260     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    6   P3  15 LOUISIANA        0.000     0.000     0.000     0.300     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    7   AC  15 LOUISIANA        0.000     0.000     0.000     0.500     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    8   P2   2 CHURCHILL        0.000     0.000     0.000     1.400     0.030     0.010     0.000     0.000     0.000     0.000                0.000     0.000
COEFF-1    9   P1   2 CHURCHILL        0.000     0.000     0.000     0.800     0.050     0.010     0.000     0.000     0.000     0.000                0.000     0.000
ENDATA12

$$$ DATA TYPE 13 (NITROGEN AND PHOSPHORUS COEFFICIENTS) $$$
                                                SETTLD              BKGRND    BKGRND                                        SETTLD
CARD TYPE      REACH  ID       ORG-N     ORG-N      ORGN       NH3       NH3       PO4     DENIT      ORGP      ORGP      ORGP
                                DECA      SETT     AVAIL      DECA      SRCE      SRCE      RATE      DECA      SETT     AVAIL
                             per day       m/d      frac   per day    g/m²/d    g/m²/d   per day   per day       m/d      frac

COEFF-2          1   P6       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          2   PT       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          3   P5       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          4   P4       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          5   EP       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          6   P3       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          7   AC       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          8   P2       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
COEFF-2          9   P1       0.010     0.000     0.000     0.180     0.000     1.550     0.100     1.550     0.000     0.000
ENDATA13

$$$ DATA TYPE 14 (ALGAE PHYTOPLANKTON AND PERIPHYTON COEFFICIENTS) $$$
                                                                   MAX                                   MAX
CARD TYPE      REACH  ID      SECCHI    CHL A:     PHYTO     PHYTO     PHYTO     PHYTO     PERIP     PERIP     PERIP      BANK
                               DEPTH     ALGAE      SETT     DEATH      GROW      RESP     DEATH      GROW      RESP   SHADING
                                   m      frac       m/d   per day   per day   per day   per day   per day   per day      frac

ENDATA14

$$$ DATA TYPE 15 (COLIFORM AND NONCONSERVATIVE COEFFICIENTS) $$$

CARD TYPE      REACH  ID    COLIFORM       NCM       NCM
                            DIE-OFF     DECAY      SETT
                            per day   per day       m/d

ENDATA15

$$$ DATA TYPE 16 (INCREMENTAL DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE      REACH  ID       OUTFLOW      INFLOW      TEMP     SALIN      CM-1      CM-2   IN/DIST  OUT/DIST
                                  m³/s        m³/s    deg C       ppt

INCR-1           1   P6       0.00000     0.00000     20.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           2   PT       0.00000     0.00000     20.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           3   P5       0.00000     0.01410     20.00      0.00      0.00      0.00   0.00381   0.00000
INCR-1           4   P4       0.00000     0.01410     20.00      0.00      0.00      0.00   0.00353   0.00000
INCR-1           5   EP       0.00000     0.01000     20.00      0.00      0.00      0.00   0.00092   0.00000
INCR-1           6   P3       0.00000     0.50000     20.00      0.00      0.00      0.00   0.05102   0.00000
INCR-1           7   AC       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           8   P2       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
INCR-1           9   P1       0.00000     0.00000      0.00      0.00      0.00      0.00   0.00000   0.00000
ENDATA16

$$$ DATA TYPE 17 (INCREMENTAL DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE      REACH  ID          DO      BOD1     ORG-N     NH3-N     NO3-N      BOD2
                                mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

INCR-2           1   P6        6.85     16.00      1.29      0.29      0.09      0.00
INCR-2           2   PT        6.85     16.00      1.29      0.29      0.09      0.00
INCR-2           3   P5        6.85      8.00      1.85      0.10      0.04      0.00
INCR-2           4   P4        6.85      8.00      1.85      0.10      0.04      0.00
INCR-2           5   EP        6.85     13.00      1.15      0.11      0.09      0.00
INCR-2           6   P3        6.85     30.00      1.00      0.29      0.37      0.00
INCR-2           7   AC        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           8   P2        0.00      0.00      0.00      0.00      0.00      0.00
INCR-2           9   P1        0.00      0.00      0.00      0.00      0.00      0.00
ENDATA17

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
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                                        PHYTO
 CARD TYPE      REACH  ID        PO4     CHL A      COLI       NCM      ORGP
                                mg/L      µg/L   #/100mL                mg/L

ENDATA18

$$$ DATA TYPE 19 (NONPOINT SOURCE DATA) $$$

CARD TYPE      REACH  ID        BOD1     ORG-N      COLI       NCM        DO      BOD2     ORG-P
                                kg/d      kg/d     #/day                kg/d      kg/d      kg/d

NONPOINT           1   P6       0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           2   PT       0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           3   P5       0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           4   P4       0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           5   EP       0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           6   P3       0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           7   AC       0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           8   P2       0.00      0.00      0.00      0.00      0.00      0.00      0.00
NONPOINT           9   P1       0.00      0.00      0.00      0.00      0.00      0.00      0.00
ENDATA19

$$$ DATA TYPE 20 (HEADWATER FOR FLOW, TEMPERATURE, SALINITY AND CONSERVATIVES) $$$
                                                                                                HDW DISP
CARD TYPE     ELEMENT   NAME                  UNIT      FLOW       FLOW    TEMP    SALIN      CM-1      CM-2     EXCHG
                                                         m³/s        cfs   deg C      ppt                         frac

HDWTR-1           1     Pont. Creek              0   0.02830    0.99929   20.00     0.00     0.000     0.000     0.000
HDWTR-1         123     Pont. Trib.              0   0.02830    0.99929   20.00     0.00     0.000     0.000     0.000
HDWTR-1         280     East Pont.               0   0.02830    0.99929   20.00     0.00     0.000     0.000     0.000
HDWTR-1         487     Arnold's Creek           0   0.02830    0.99929   20.00     0.00     0.000     0.000     0.000
ENDATA20

$$$ DATA TYPE 21 (HEADWATER DATA FOR DO, BOD, AND NITROGEN) $$$

CARD TYPE     ELEMENT   NAME                            DO     BOD#1     ORG-N     NH3-N     NO3-N      BOD2
                                                      mg/L      mg/L      mg/L      mg/L      mg/L      mg/L

HDWTR-2           1     Pont. Creek                  6.85     16.00      1.29      0.30      0.07      0.00
HDWTR-2         123     Pont. Trib.                  6.85     22.00      3.96      0.15      0.02      0.00
HDWTR-2         280     East Pont.                   6.85     13.00      1.15      0.11      0.09      0.00
HDWTR-2         487     Arnold's Creek               6.85     26.00      1.13      0.54      0.18      0.00
ENDATA21

$$$ DATA TYPE 22 (HEADWATER DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                                          PHYTO
CARD TYPE     ELEMENT   NAME                         PO4-P     CHL A      COLI       NCM     ORG-P
                                                      mg/L      µg/L   #/100mL                mg/L

ENDATA22

$$$ DATA TYPE 23 (JUNCTION DATA) $$$

CARD TYPE   JUNCTION   UPSTRM     RIVER     NAME
             ELEMENT  ELEMENT     KILOM

JUNCTION         203      122     28.40  PTS to Pont. Creek
JUNCTION         389      279     20.70  East Pont to Pont Creek
JUNCTION         561      486     10.90  Arnolds Creek to Pont Creek
ENDATA23

$$$ DATA TYPE 24 (WASTELOAD DATA FOR FLOW, TEMPERATURE, SALINITY, AND CONSERVATIVES) $$$

CARD TYPE  ELEMENT    RKILO  NAME                      FLOW       FLOW      FLOW    TEMP    SALIN      CM-1      CM-2
                                                         m³/s        cfs       MGD   deg C      ppt

WSTLD-1       21      38.60  LA0122424              0.00004    0.00141     0.001   20.00     0.00     0.000     0.000
WSTLD-1       42      36.50  Grp1-Rch1              0.00120    0.04237     0.027   20.00     0.00     0.000     0.000
WSTLD-1       82      32.50  LAG541777              0.00120    0.04237     0.027   20.00     0.00     0.000     0.000
WSTLD-1       93      31.40  LAG541118              0.00105    0.03708     0.024   20.00     0.00     0.000     0.000
WSTLD-1      193       1.00  LAG570205              0.00386    0.13630     0.088   20.00     0.00     0.000     0.000
WSTLD-1      195       0.80  LAG533605              0.00386    0.13630     0.088   20.00     0.00     0.000     0.000
WSTLD-1      213      27.40  Grp2-Rch3              0.00032    0.01130     0.007   20.00     0.00     0.000     0.000
WSTLD-1      220      26.70  Grp3-Rch3              0.00028    0.00989     0.006   20.00     0.00     0.000     0.000
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WSTLD-1      228      25.90  LAG532004            0.00003    0.00106    0.001   20.00      0.00      0.000      0.000
WSTLD-1      236      25.10  Grp4-Rch3            0.00244    0.08616    0.056   20.00      0.00      0.000      0.000
WSTLD-1      239      24.80  YWRC                -0.05380   -1.89972   -1.228   20.00      0.00      0.000      0.000
WSTLD-1      277      21.00  Grp5-Rch4            0.00079    0.02790    0.018   20.00      0.00      0.000      0.000
WSTLD-1      302       8.70  LAG540869            0.00079    0.02790    0.018   20.00      0.00      0.000      0.000
WSTLD-1      319       7.00  LAG532175            0.00046    0.01624    0.010   20.00      0.00      0.000      0.000
WSTLD-1      333       5.60  Grp6-Rch5            0.00007    0.00247    0.002   20.00      0.00      0.000      0.000
WSTLD-1      340       4.90  Grp7-Rch5            0.00024    0.00847    0.005   20.00      0.00      0.000      0.000
WSTLD-1      358       3.10  Grp8-Rch5            0.00301    0.10629    0.069   20.00      0.00      0.000      0.000
WSTLD-1      393      20.30  LAG541365            0.00039    0.01377    0.009   20.00      0.00      0.000      0.000
WSTLD-1      428      16.80  Grp9-Rch6            0.00183    0.06462    0.042   20.00      0.00      0.000      0.000
WSTLD-1      452      14.40  Grp10-Rch6           0.00183    0.06462    0.042   20.00      0.00      0.000      0.000
WSTLD-1      456      14.00  Grp11-Rch6           0.00017    0.00600    0.004   20.00      0.00      0.000      0.000
WSTLD-1      499       6.20  LAG750157            0.00017    0.00600    0.004   20.00      0.00      0.000      0.000
WSTLD-1      534       2.70  LAG540662            0.00002    0.00071    0.000   20.00      0.00      0.000      0.000
WSTLD-1      546       1.50  LAG531467            0.00042    0.01483    0.010   20.00      0.00      0.000      0.000
WSTLD-1      564      10.60  Grp12-Rch8           0.00001    0.00035    0.000   20.00      0.00      0.000      0.000
WSTLD-1      566      10.40  Grp13-Rch8           0.00342    0.12076    0.078   20.00      0.00      0.000      0.000
WSTLD-1      584       8.60  Grp14-Rch8           0.00129    0.04555    0.029   20.00      0.00      0.000      0.000
WSTLD-1      603       6.70  YWR                  0.00283    0.09993    0.065   20.00      0.00      0.000      0.000
WSTLD-1      613       5.70  LAG531729            0.00129    0.04555    0.029   20.00      0.00      0.000      0.000
ENDATA24

$$$ DATA TYPE 25 (WASTELOAD DATA FOR DO, BOD, AND NITROGEN) $$$
                                                        % BOD                                  %
CARD TYPE     ELEMENT   NAME                        DO        BOD       RMVL      ORG-N     NH3-N    NITRIF     NO3-N      BOD2
                                                  mg/L      mg/L                 mg/L      mg/L                  mg/L      mg/L

WSTLD-2          21     LA0122424                0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2          42     Grp1-Rch1                2.00     71.50      0.00      5.20     10.36      0.00      2.00      0.00
WSTLD-2          82     LAG541777                2.00     71.50      0.00      5.20     10.36      0.00      2.00      0.00
WSTLD-2          93     LAG541118                2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         193     LAG570205                5.00     22.00      0.00      4.00      0.15      0.00      0.00      0.00
WSTLD-2         195     LAG533605                5.00     23.00      0.00      1.70      3.33      0.00      2.00      0.00
WSTLD-2         213     Grp2-Rch3                2.00     74.80      0.00      5.40     10.83      0.00      2.00      0.00
WSTLD-2         220     Grp3-Rch3                2.00     89.00      0.00      6.40     12.89      0.00      2.00      0.00
WSTLD-2         228     LAG532004                2.00    103.50      0.00      7.50     15.00      0.00      2.00      0.00
WSTLD-2         236     Grp4-Rch3                4.30     53.70      0.00      3.90      7.78      0.00      2.00      0.00
WSTLD-2         239     YWRC                     4.30     34.50      0.00      2.50      5.00      0.00      2.00      0.00
WSTLD-2         277     Grp5-Rch4                2.30     66.90      0.00      4.90      9.70      0.00      2.00      0.00
WSTLD-2         302     LAG540869                2.30     66.90      0.00      4.90      9.70      0.00      2.00      0.00
WSTLD-2         319     LAG532175                2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         333     Grp6-Rch5                2.00    103.50      0.00      7.50     15.00      0.00      2.00      0.00
WSTLD-2         340     Grp7-Rch5                2.00     72.00      0.00      5.20     10.44      0.00      2.00      0.00
WSTLD-2         358     Grp8-Rch5                3.20     50.70      0.00      3.70      7.34      0.00      2.00      0.00
WSTLD-2         393     LAG541365                2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         428     Grp9-Rch6                3.00     53.50      0.00      3.90      7.75      0.00      2.00      0.00
WSTLD-2         452     Grp10-Rch6               3.00     53.50      0.00      3.90      7.75      0.00      2.00      0.00
WSTLD-2         456     Grp11-Rch6               0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         499     LAG750157                0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         534     LAG540662                0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         546     LAG531467                2.00     69.00      0.00      5.00     10.00      0.00      2.00      0.00
WSTLD-2         564     Grp12-Rch8               0.00      0.00      0.00      0.00      0.00      0.00      2.00      0.00
WSTLD-2         566     Grp13-Rch8               3.00     61.40      0.00      4.50      8.90      0.00      2.00      0.00
WSTLD-2         584     Grp14-Rch8               2.00     70.80      0.00      5.10     10.27      0.00      2.00      0.00
WSTLD-2         603     YWR                      2.00     11.00      0.00      1.40      0.32      0.00      4.00      0.00
WSTLD-2         613     LAG531729                2.00     70.80      0.00      5.10     10.27      0.00      2.00      0.00
ENDATA25

$$$ DATA TYPE 26 (WASTELOAD DATA FOR PHOSPHORUS, PHYTOPLANTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                                        PHYTO
CARD TYPE     ELEMENT   NAME                      PO4-P     CHL A      COLI       NCM     ORG-P
                                                   mg/L      µg/L   #/100mL                mg/L

ENDATA26

$$$ DATA TYPE 27 (LOWER BOUNDARY CONDITIONS) $$$

CARD TYPE    CONSTITUENT                     CONCENTRATION

LOWER BC     TEMPERATURE                          20.000     deg C
LOWER BC     DISSOLVED OXYGEN                      6.850     mg/L
LOWER BC     BOD1 BIOCHEMICAL OXYGEN DEMAND       25.000     mg/L
LOWER BC     ORGANIC NITROGEN                      1.800     mg/L
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LOWER BC     AMMONIA NITROGEN                          0.150     mg/L
LOWER BC     NITRATE NITROGEN                          0.084     mg/L
LOWER BC     CHLOROPHYLL A                            19.000     µg/L
ENDATA27

$$$ DATA TYPE 28 (DAM DATA) $$$

CARD TYPE     ELEMENT   NAME                  EQN      "A"       "B"       "H"

ENDATA28

$$$ DATA TYPE 29 (SENSITIVITY ANALYSIS DATA) $$$

CARD TYPE       PARAMETER     COL 1     COL 2     COL 3     COL 4     COL 5     COL 6     COL 7     COL 8

ENDATA29

$$$ DATA TYPE 30 (PLOT CONTROL CARDS) $$$

NUMBER OF PLOTS =  4
NUMBER OF REACHES IN PLOT 1 =   6
PLOT RCH  1  3  4  6  8  9
NUMBER OF REACHES IN PLOT 2 =   1
PLOT RCH  2
NUMBER OF REACHES IN PLOT 3 =   1
PLOT RCH  5
NUMBER OF REACHES IN PLOT 4 =   1
PLOT RCH  7
ENDATA30

$$$ DATA TYPE 31 (OVERLAY PLOT DATA) $$$

OVERLAY 1 Pont.ovl                        :Pontchatoula Creek
OVERLAY 2 Pont_trib.ovl                   :Pontchatoula Trib.
OVERLAY 3 Epont.ovl                       :East Pontchatoula
OVERLAY 4 Arn.ovl                         :Arnold's Creek
ENDATA31

     .....NO ERRORS DETECTED IN INPUT DATA
     .....HYDRAULIC CALCULATIONS COMPLETED
     .....TRIDIAGONAL MATRIX TERMS INITIALIZED
     .....CONSTITUENT CALCULATIONS COMPLETED
     .....GRAPHICS DATA FOR PLOT 1 WRITTEN TO UNIT 11
     .....GRAPHICS DATA FOR PLOT 2 WRITTEN TO UNIT 12
     .....GRAPHICS DATA FOR PLOT 3 WRITTEN TO UNIT 13
     .....GRAPHICS DATA FOR PLOT 4 WRITTEN TO UNIT 14

INTERMEDIATE REPORT
 Dissolved Oxygen                                          LA-QUAL Model for Ponchatoula Creek Watershed
     mg/L                                                  TMDL Simulation
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| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 7.04 | 7.22 | 7.38 | 7.52 | 7.65 | 7.76 | 7.87 | 7.96 | 8.05 | 8.12 |
| P6 | 1 | 11 | 8.19 | 8.25 | 8.31 | 8.36 | 8.41 | 8.45 | 8.48 | 8.52 | 8.55 | 8.58 |
| P6 | 1 | 21 | 8.59 | 8.61 | 8.63 | 8.65 | 8.67 | 8.69 | 8.70 | 8.72 | 8.73 | 8.74 |
| P6 | 1 | 31 | 8.75 | 8.76 | 8.77 | 8.77 | 8.78 | 8.79 | 8.79 | 8.80 | 8.80 | 8.81 |
| P6 | 1 | 41 | 8.81 | 8.55 | 8.56 | 8.57 | 8.58 | 8.59 | 8.60 | 8.61 | 8.62 | 8.62 |
| P6 | 1 | 51 | 8.63 | 8.64 | 8.64 | 8.65 | 8.65 | 8.66 | 8.66 | 8.67 | 8.67 | 8.68 |
| P6 | 1 | 61 | 8.68 | 8.68 | 8.69 | 8.69 | 8.69 | 8.70 | 8.70 | 8.70 | 8.71 | 8.71 |
| P6 | 1 | 71 | 8.71 | 8.71 | 8.72 | 8.72 | 8.72 | 8.72 | 8.73 | 8.73 | 8.73 | 8.73 |
| P6 | 1 | 81 | 8.73 | 8.48 | 8.49 | 8.50 | 8.51 | 8.52 | 8.53 | 8.54 | 8.54 | 8.55 |
| P6 | 1 | 91 | 8.56 | 8.56 | 8.36 | 8.37 | 8.39 | 8.40 | 8.41 | 8.42 | 8.43 | 8.44 |
| P6 | 1 | 101 | 8.44 | 8.45 | 8.46 | 8.47 | 8.47 | 8.48 | 8.48 | 8.49 | 8.50 | 8.50 |
| P6 | 1 | 111 | 8.51 | 8.51 | 8.52 | 8.52 | 8.53 | 8.53 | 8.53 | 8.54 | 8.54 | 8.55 |
| P6 | 1 | 121 | 8.55 | 8.55 | | | | | | | | |
| P5 | 3 | 203 | 8.56 | 8.59 | 8.62 | 8.65 | 8.67 | 8.70 | 8.72 | 8.74 | 8.76 | 8.77 |
| P5 | 3 | 213 | 8.76 | 8.78 | 8.79 | 8.81 | 8.82 | 8.84 | 8.85 | 8.84 | 8.85 | 8.86 |
| P5 | 3 | 223 | 8.87 | 8.88 | 8.90 | 8.91 | 8.92 | 8.92 | 8.93 | 8.94 | 8.95 | 8.96 |
| P5 | 3 | 233 | 8.96 | 8.97 | 8.98 | 8.86 | 8.88 | 8.89 | 8.90 | | | |
| P4 | 4 | 240 | 8.94 | 8.97 | 9.00 | 9.02 | 9.04 | 9.05 | 9.06 | 9.07 | 9.08 | 9.08 |
| P4 | 4 | 250 | 9.08 | 9.08 | 9.08 | 9.08 | 9.07 | 9.07 | 9.06 | 9.06 | 9.05 | 9.04 |
| P4 | 4 | 260 | 9.03 | 9.02 | 9.01 | 9.00 | 8.99 | 8.98 | 8.97 | 8.96 | 8.95 | 8.93 |
| P4 | 4 | 270 | 8.92 | 8.91 | 8.89 | 8.88 | 8.87 | 8.86 | 8.84 | 8.72 | 8.71 | 8.70 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 389 | 7.70 | 7.71 | 7.71 | 7.72 | 7.71 | 7.71 | 7.72 | 7.72 | 7.73 | 7.73 |
| P3 | 6 | 399 | 7.74 | 7.74 | 7.75 | 7.75 | 7.75 | 7.76 | 7.76 | 7.76 | 7.77 | 7.77 |
| P3 | 6 | 409 | 7.77 | 7.78 | 7.78 | 7.78 | 7.78 | 7.79 | 7.79 | 7.79 | 7.79 | 7.80 |
| P3 | 6 | 419 | 7.80 | 7.80 | 7.80 | 7.80 | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.79 |
| P3 | 6 | 429 | 7.79 | 7.79 | 7.79 | 7.80 | 7.80 | 7.80 | 7.80 | 7.81 | 7.81 | 7.81 |
| P3 | 6 | 439 | 7.81 | 7.82 | 7.82 | 7.82 | 7.82 | 7.82 | 7.83 | 7.83 | 7.83 | 7.83 |
| P3 | 6 | 449 | 7.83 | 7.83 | 7.84 | 7.82 | 7.82 | 7.82 | 7.82 | 7.82 | 7.82 | 7.83 |
| P3 | 6 | 459 | 7.83 | 7.83 | 7.83 | 7.83 | 7.84 | 7.84 | 7.84 | 7.84 | 7.84 | 7.85 |
| P3 | 6 | 469 | 7.85 | 7.85 | 7.85 | 7.85 | 7.85 | 7.86 | 7.86 | 7.86 | 7.86 | 7.86 |
| P3 | 6 | 479 | 7.86 | 7.86 | 7.87 | 7.87 | 7.87 | 7.87 | 7.87 | 7.84 | | |
| P2 | 8 | 561 | 7.83 | 7.81 | 7.79 | 7.77 | 7.75 | 7.73 | 7.71 | 7.70 | 7.68 | 7.67 |
| P2 | 8 | 571 | 7.66 | 7.64 | 7.63 | 7.62 | 7.60 | 7.59 | 7.58 | 7.57 | 7.55 | 7.54 |
| P2 | 8 | 581 | 7.53 | 7.52 | 7.50 | 7.49 | 7.48 | 7.47 | 7.46 | 7.45 | 7.44 | 7.43 |
| P2 | 8 | 591 | 7.42 | 7.41 | 7.40 | 7.40 | 7.39 | 7.38 | 7.37 | 7.36 | 7.35 | 7.34 |
| P2 | 8 | 601 | 7.33 | 7.31 | 7.30 | | | | | | | |
| P1 | 9 | 604 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 |
| P1 | 9 | 614 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.30 | 7.30 | 7.30 |
| P1 | 9 | 624 | 7.30 | 7.30 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 | 7.29 |
| P1 | 9 | 634 | 7.28 | 7.28 | 7.28 | 7.28 | 7.27 | 7.27 | 7.26 | 7.26 | 7.25 | 7.25 |
| P1 | 9 | 644 | 7.24 | 7.24 | 7.23 | 7.22 | 7.21 | 7.20 | 7.19 | 7.19 | 7.17 | 7.16 |
| P1 | 9 | 654 | 7.15 | 7.14 | 7.13 | 7.11 | 7.10 | 7.08 | 7.07 | 7.05 | 7.03 | 7.01 |
| P1 | 9 | 664 | 6.99 | 6.97 | 6.95 | 6.93 | 6.90 | 6.88 | | | | |
| PT | 2 | 123 | 7.00 | 7.14 | 7.27 | 7.39 | 7.50 | 7.61 | 7.71 | 7.80 | 7.88 | 7.96 |
| PT | 2 | 133 | 8.04 | 8.10 | 8.17 | 8.23 | 8.28 | 8.34 | 8.38 | 8.43 | 8.47 | 8.51 |
| PT | 2 | 143 | 8.55 | 8.58 | 8.61 | 8.64 | 8.67 | 8.69 | 8.72 | 8.74 | 8.76 | 8.78 |
| PT | 2 | 153 | 8.80 | 8.81 | 8.83 | 8.84 | 8.86 | 8.87 | 8.88 | 8.89 | 8.90 | 8.91 |
| PT | 2 | 163 | 8.92 | 8.93 | 8.93 | 8.94 | 8.95 | 8.95 | 8.96 | 8.96 | 8.97 | 8.97 |
| PT | 2 | 173 | 8.98 | 8.98 | 8.98 | 8.99 | 8.99 | 8.99 | 9.00 | 9.00 | 9.00 | 9.00 |
| PT | 2 | 183 | 9.01 | 9.01 | 9.01 | 9.01 | 9.01 | 9.01 | 9.01 | 9.01 | 9.02 | 9.02 |
| PT | 2 | 193 | 8.56 | 8.59 | 8.25 | 8.29 | 8.33 | 8.37 | 8.41 | 8.44 | 8.47 | 8.50 |
| EP | 5 | 280 | 6.82 | 6.79 | 6.77 | 6.75 | 6.73 | 6.71 | 6.70 | 6.69 | 6.68 | 6.68 |
| EP | 5 | 290 | 6.67 | 6.66 | 6.66 | 6.66 | 6.65 | 6.65 | 6.65 | 6.65 | 6.65 | 6.65 |
| EP | 5 | 300 | 6.65 | 6.65 | 6.54 | 6.55 | 6.55 | 6.56 | 6.56 | 6.56 | 6.57 | 6.57 |
| EP | 5 | 310 | 6.57 | 6.58 | 6.58 | 6.58 | 6.59 | 6.59 | 6.59 | 6.60 | 6.60 | 6.54 |
| EP | 5 | 320 | 6.55 | 6.55 | 6.56 | 6.56 | 6.57 | 6.57 | 6.57 | 6.58 | 6.58 | 6.59 |
| EP | 5 | 330 | 6.59 | 6.59 | 6.60 | 6.59 | 6.59 | 6.60 | 6.60 | 6.60 | 6.61 | 6.61 |
| EP | 5 | 340 | 6.58 | 6.59 | 6.59 | 6.59 | 6.60 | 6.60 | 6.60 | 6.61 | 6.61 | 6.61 |
| EP | 5 | 350 | 6.62 | 6.62 | 6.62 | 6.63 | 6.63 | 6.63 | 6.64 | 6.64 | 6.40 | 6.41 |
| EP | 5 | 360 | 6.42 | 6.44 | 6.45 | 6.46 | 6.47 | 6.48 | 6.49 | 6.50 | 6.51 | 6.51 |
| EP | 5 | 370 | 6.52 | 6.53 | 6.53 | 6.54 | 6.55 | 6.55 | 6.56 | 6.56 | 6.57 | 6.57 |
| EP | 5 | 380 | 6.58 | 6.58 | 6.59 | 6.59 | 6.59 | 6.60 | 6.60 | 6.61 | 6.61 | |
| AC | 7 | 487 | 7.10 | 7.31 | 7.49 | 7.65 | 7.78 | 7.89 | 7.99 | 8.07 | 8.14 | 8.20 |
| AC | 7 | 497 | 8.25 | 8.29 | 8.29 | 8.33 | 8.36 | 8.39 | 8.42 | 8.44 | 8.46 | 8.48 |
| AC | 7 | 507 | 8.50 | 8.51 | 8.52 | 8.53 | 8.54 | 8.55 | 8.56 | 8.57 | 8.57 | 8.58 |
| AC | 7 | 517 | 8.58 | 8.59 | 8.60 | 8.60 | 8.60 | 8.61 | 8.61 | 8.62 | 8.62 | 8.63 |
| AC | 7 | 527 | 8.63 | 8.63 | 8.64 | 8.64 | 8.64 | 8.65 | 8.65 | 8.65 | 8.65 | 8.66 |
| AC | 7 | 537 | 8.66 | 8.66 | 8.67 | 8.67 | 8.67 | 8.67 | 8.68 | 8.68 | 8.68 | 8.59 |
| AC | 7 | 547 | 8.60 | 8.61 | 8.61 | 8.62 | 8.62 | 8.63 | 8.63 | 8.64 | 8.64 | 8.65 |
| AC | 7 | 557 | 8.65 | 8.65 | 8.66 | 8.66 | | | | | | |

INTERMEDIATE REPORT
Effective BOD1
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 15.96 | 15.91 | 15.87 | 15.83 | 15.79 | 15.74 | 15.70 | 15.66 | 15.62 | 15.57 |
| P6 | 1 | 11 | 15.53 | 15.49 | 15.45 | 15.41 | 15.36 | 15.32 | 15.28 | 15.24 | 15.20 | 15.16 |
| P6 | 1 | 21 | 15.09 | 15.05 | 15.01 | 14.97 | 14.93 | 14.89 | 14.85 | 14.81 | 14.77 | 14.73 |
| P6 | 1 | 31 | 14.69 | 14.65 | 14.60 | 14.56 | 14.52 | 14.48 | 14.44 | 14.41 | 14.37 | 14.33 |
| P6 | 1 | 41 | 14.29 | 16.57 | 16.53 | 16.48 | 16.44 | 16.39 | 16.35 | 16.30 | 16.26 | 16.21 |
| P6 | 1 | 51 | 16.17 | 16.13 | 16.08 | 16.04 | 15.99 | 15.95 | 15.90 | 15.86 | 15.82 | 15.77 |
| P6 | 1 | 61 | 15.73 | 15.68 | 15.64 | 15.60 | 15.55 | 15.51 | 15.47 | 15.42 | 15.38 | 15.34 |
| P6 | 1 | 71 | 15.29 | 15.25 | 15.21 | 15.16 | 15.12 | 15.08 | 15.04 | 14.99 | 14.95 | 14.91 |
| P6 | 1 | 81 | 14.87 | 17.04 | 16.99 | 16.94 | 16.89 | 16.85 | 16.80 | 16.75 | 16.71 | 16.66 |
| P6 | 1 | 91 | 16.61 | 16.57 | 18.25 | 18.20 | 18.15 | 18.10 | 18.05 | 18.00 | 17.95 | 17.91 |
| P6 | 1 | 101 | 17.86 | 17.81 | 17.76 | 17.71 | 17.66 | 17.61 | 17.56 | 17.51 | 17.46 | 17.41 |
| P6 | 1 | 111 | 17.36 | 17.31 | 17.26 | 17.21 | 17.16 | 17.12 | 17.07 | 17.02 | 16.97 | 16.92 |
| P6 | 1 | 121 | 16.87 | 16.82 | | | | | | | | |
| P5 | 3 | 203 | 19.07 | 19.11 | 19.15 | 19.19 | 19.23 | 19.28 | 19.32 | 19.36 | 19.41 | 19.46 |
| P5 | 3 | 213 | 19.75 | 19.80 | 19.85 | 19.90 | 19.95 | 19.99 | 20.05 | 20.36 | 20.41 | 20.46 |
| P5 | 3 | 223 | 20.52 | 20.57 | 20.62 | 20.68 | 20.73 | 20.82 | 20.87 | 20.93 | 20.99 | 21.05 |
| P5 | 3 | 233 | 21.10 | 21.16 | 21.22 | 22.35 | 22.40 | 22.46 | 22.52 | | | |
| P4 | 4 | 240 | 22.25 | 21.98 | 21.72 | 21.46 | 21.20 | 20.95 | 20.70 | 20.46 | 20.21 | 19.97 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P4 | 4 | 250 | 19.74 | 19.51 | 19.27 | 19.05 | 18.82 | 18.60 | 18.38 | 18.16 | 17.95 | 17.73 |
| P4 | 4 | 260 | 17.52 | 17.31 | 17.11 | 16.90 | 16.70 | 16.50 | 16.30 | 16.10 | 15.91 | 15.71 |
| P4 | 4 | 270 | 15.52 | 15.33 | 15.14 | 14.95 | 14.77 | 14.58 | 14.40 | 15.14 | 14.95 | 14.76 |
| P3 | 6 | 389 | 15.29 | 16.07 | 16.78 | 17.43 | 18.19 | 18.72 | 19.21 | 19.66 | 20.08 | 20.47 |
| P3 | 6 | 399 | 20.83 | 21.17 | 21.49 | 21.80 | 22.08 | 22.35 | 22.60 | 22.84 | 23.07 | 23.29 |
| P3 | 6 | 409 | 23.49 | 23.69 | 23.88 | 24.06 | 24.23 | 24.40 | 24.56 | 24.71 | 24.86 | 25.00 |
| P3 | 6 | 419 | 25.14 | 25.27 | 25.40 | 25.52 | 25.64 | 25.76 | 25.87 | 25.98 | 26.09 | 26.37 |
| P3 | 6 | 429 | 26.47 | 26.56 | 26.65 | 26.74 | 26.83 | 26.92 | 27.00 | 27.08 | 27.16 | 27.24 |
| P3 | 6 | 439 | 27.32 | 27.39 | 27.47 | 27.54 | 27.61 | 27.68 | 27.75 | 27.81 | 27.88 | 27.94 |
| P3 | 6 | 449 | 28.01 | 28.07 | 28.13 | 28.31 | 28.36 | 28.42 | 28.48 | 28.52 | 28.58 | 28.63 |
| P3 | 6 | 459 | 28.68 | 28.74 | 28.79 | 28.84 | 28.89 | 28.94 | 28.99 | 29.04 | 29.09 | 29.13 |
| P3 | 6 | 469 | 29.18 | 29.23 | 29.27 | 29.32 | 29.36 | 29.41 | 29.45 | 29.50 | 29.54 | 29.58 |
| P3 | 6 | 479 | 29.62 | 29.67 | 29.71 | 29.75 | 29.79 | 29.83 | 29.87 | 29.55 | | |
| P2 | 8 | 561 | 29.35 | 29.33 | 29.32 | 29.31 | 29.31 | 29.32 | 29.29 | 29.26 | 29.23 | 29.19 |
| P2 | 8 | 571 | 29.16 | 29.13 | 29.10 | 29.07 | 29.04 | 29.01 | 28.98 | 28.95 | 28.92 | 28.89 |
| P2 | 8 | 581 | 28.87 | 28.84 | 28.82 | 28.80 | 28.76 | 28.71 | 28.66 | 28.61 | 28.55 | 28.48 |
| P2 | 8 | 591 | 28.40 | 28.31 | 28.20 | 28.07 | 27.91 | 27.71 | 27.48 | 27.18 | 26.81 | 26.35 |
| P2 | 8 | 601 | 25.77 | 25.03 | 24.10 | | | | | | | |
| P1 | 9 | 604 | 23.93 | 23.84 | 23.75 | 23.66 | 23.57 | 23.49 | 23.41 | 23.33 | 23.26 | 23.18 |
| P1 | 9 | 614 | 23.11 | 23.04 | 22.97 | 22.91 | 22.85 | 22.79 | 22.73 | 22.68 | 22.62 | 22.58 |
| P1 | 9 | 624 | 22.53 | 22.49 | 22.45 | 22.41 | 22.38 | 22.35 | 22.32 | 22.30 | 22.28 | 22.26 |
| P1 | 9 | 634 | 22.25 | 22.24 | 22.24 | 22.23 | 22.24 | 22.24 | 22.25 | 22.27 | 22.29 | 22.31 |
| P1 | 9 | 644 | 22.34 | 22.37 | 22.40 | 22.45 | 22.49 | 22.54 | 22.60 | 22.66 | 22.73 | 22.80 |
| P1 | 9 | 654 | 22.88 | 22.96 | 23.05 | 23.14 | 23.24 | 23.35 | 23.47 | 23.59 | 23.71 | 23.85 |
| P1 | 9 | 664 | 23.99 | 24.14 | 24.30 | 24.46 | 24.63 | 24.81 | | | | |
| PT | 2 | 123 | 21.98 | 21.96 | 21.94 | 21.93 | 21.91 | 21.89 | 21.87 | 21.85 | 21.83 | 21.81 |
| PT | 2 | 133 | 21.79 | 21.78 | 21.76 | 21.74 | 21.72 | 21.70 | 21.68 | 21.66 | 21.65 | 21.63 |
| PT | 2 | 143 | 21.61 | 21.59 | 21.57 | 21.55 | 21.54 | 21.52 | 21.50 | 21.48 | 21.46 | 21.44 |
| PT | 2 | 153 | 21.42 | 21.41 | 21.39 | 21.37 | 21.35 | 21.33 | 21.31 | 21.30 | 21.28 | 21.26 |
| PT | 2 | 163 | 21.24 | 21.22 | 21.20 | 21.18 | 21.17 | 21.15 | 21.13 | 21.11 | 21.09 | 21.07 |
| PT | 2 | 173 | 21.06 | 21.04 | 21.02 | 21.00 | 20.98 | 20.97 | 20.95 | 20.93 | 20.91 | 20.89 |
| PT | 2 | 183 | 20.87 | 20.86 | 20.84 | 20.82 | 20.80 | 20.78 | 20.76 | 20.75 | 20.73 | 20.71 |
| PT | 2 | 193 | 20.87 | 20.86 | 21.09 | 21.08 | 21.06 | 21.04 | 21.03 | 21.01 | 21.00 | 20.98 |
| EP | 5 | 280 | 12.96 | 12.91 | 12.87 | 12.82 | 12.78 | 12.74 | 12.70 | 12.65 | 12.61 | 12.57 |
| EP | 5 | 290 | 12.53 | 12.49 | 12.45 | 12.41 | 12.37 | 12.33 | 12.29 | 12.26 | 12.22 | 12.18 |
| EP | 5 | 300 | 12.14 | 12.11 | 13.46 | 13.42 | 13.38 | 13.33 | 13.29 | 13.24 | 13.20 | 13.16 |
| EP | 5 | 310 | 13.12 | 13.07 | 13.03 | 12.99 | 12.95 | 12.91 | 12.87 | 12.83 | 12.79 | 13.53 |
| EP | 5 | 320 | 13.48 | 13.44 | 13.40 | 13.35 | 13.31 | 13.27 | 13.23 | 13.19 | 13.14 | 13.10 |
| EP | 5 | 330 | 13.06 | 13.02 | 12.98 | 13.12 | 13.08 | 13.04 | 13.00 | 12.96 | 12.92 | 12.88 |
| EP | 5 | 340 | 13.25 | 13.20 | 13.16 | 13.12 | 13.08 | 13.04 | 13.00 | 12.96 | 12.93 | 12.89 |
| EP | 5 | 350 | 12.85 | 12.81 | 12.77 | 12.73 | 12.70 | 12.66 | 12.62 | 12.58 | 15.42 | 15.38 |
| EP | 5 | 360 | 15.33 | 15.28 | 15.23 | 15.18 | 15.13 | 15.08 | 15.04 | 14.99 | 14.94 | 14.90 |
| EP | 5 | 370 | 14.85 | 14.80 | 14.76 | 14.71 | 14.66 | 14.62 | 14.57 | 14.53 | 14.48 | 14.44 |
| EP | 5 | 380 | 14.40 | 14.35 | 14.31 | 14.27 | 14.22 | 14.18 | 14.14 | 14.09 | 14.05 | |
| AC | 7 | 487 | 25.88 | 25.76 | 25.65 | 25.53 | 25.41 | 25.30 | 25.18 | 25.07 | 24.95 | 24.84 |
| AC | 7 | 497 | 24.72 | 24.61 | 24.37 | 24.26 | 24.15 | 24.04 | 23.93 | 23.82 | 23.71 | 23.60 |
| AC | 7 | 507 | 23.50 | 23.39 | 23.28 | 23.18 | 23.07 | 22.97 | 22.86 | 22.76 | 22.66 | 22.56 |
| AC | 7 | 517 | 22.45 | 22.35 | 22.25 | 22.15 | 22.05 | 21.95 | 21.85 | 21.75 | 21.66 | 21.56 |
| AC | 7 | 527 | 21.46 | 21.37 | 21.27 | 21.18 | 21.08 | 20.99 | 20.89 | 20.79 | 20.69 | 20.60 |
| AC | 7 | 537 | 20.51 | 20.42 | 20.33 | 20.24 | 20.15 | 20.06 | 19.97 | 19.88 | 19.80 | 20.45 |
| AC | 7 | 547 | 20.36 | 20.28 | 20.19 | 20.10 | 20.01 | 19.92 | 19.83 | 19.75 | 19.66 | 19.58 |
| AC | 7 | 557 | 19.49 | 19.40 | 19.32 | 19.24 | | | | | | |

INTERMEDIATE REPORT
Biochemical Oxygen Demand
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 15.80 | 15.75 | 15.71 | 15.67 | 15.63 | 15.58 | 15.54 | 15.50 | 15.46 | 15.41 |
| P6 | 1 | 11 | 15.37 | 15.33 | 15.29 | 15.25 | 15.20 | 15.16 | 15.12 | 15.08 | 15.04 | 15.00 |
| P6 | 1 | 21 | 14.93 | 14.89 | 14.85 | 14.81 | 14.77 | 14.73 | 14.69 | 14.65 | 14.61 | 14.57 |
| P6 | 1 | 31 | 14.53 | 14.48 | 14.44 | 14.40 | 14.36 | 14.32 | 14.28 | 14.25 | 14.21 | 14.17 |
| P6 | 1 | 41 | 14.13 | 16.41 | 16.37 | 16.32 | 16.28 | 16.23 | 16.19 | 16.14 | 16.10 | 16.05 |
| P6 | 1 | 51 | 16.01 | 15.97 | 15.92 | 15.88 | 15.83 | 15.79 | 15.74 | 15.70 | 15.66 | 15.61 |
| P6 | 1 | 61 | 15.57 | 15.52 | 15.48 | 15.44 | 15.39 | 15.35 | 15.31 | 15.26 | 15.22 | 15.18 |
| P6 | 1 | 71 | 15.13 | 15.09 | 15.05 | 15.00 | 14.96 | 14.92 | 14.88 | 14.83 | 14.79 | 14.75 |
| P6 | 1 | 81 | 14.71 | 16.88 | 16.83 | 16.78 | 16.73 | 16.69 | 16.64 | 16.59 | 16.55 | 16.50 |
| P6 | 1 | 91 | 16.45 | 16.41 | 18.09 | 18.04 | 17.99 | 17.94 | 17.89 | 17.84 | 17.79 | 17.74 |
| P6 | 1 | 101 | 17.70 | 17.65 | 17.60 | 17.55 | 17.50 | 17.45 | 17.40 | 17.35 | 17.30 | 17.25 |
| P6 | 1 | 111 | 17.20 | 17.15 | 17.10 | 17.05 | 17.00 | 16.96 | 16.91 | 16.86 | 16.81 | 16.76 |
| P6 | 1 | 121 | 16.71 | 16.66 | | | | | | | | |
| P5 | 3 | 203 | 18.79 | 18.71 | 18.64 | 18.56 | 18.49 | 18.41 | 18.34 | 18.27 | 18.20 | 18.13 |
| P5 | 3 | 213 | 18.31 | 18.24 | 18.17 | 18.10 | 18.03 | 17.96 | 17.90 | 18.10 | 18.03 | 17.96 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P5 | 3 | 223 | 17.90 | 17.84 | 17.77 | 17.71 | 17.65 | 17.62 | 17.56 | 17.50 | 17.44 | 17.38 |
| P5 | 3 | 233 | 17.32 | 17.26 | 17.20 | 18.21 | 18.15 | 18.09 | 18.03 | | | |
| P4 | 4 | 240 | 17.87 | 17.71 | 17.55 | 17.40 | 17.25 | 17.10 | 16.96 | 16.82 | 16.68 | 16.55 |
| P4 | 4 | 250 | 16.42 | 16.29 | 16.17 | 16.05 | 15.93 | 15.81 | 15.70 | 15.59 | 15.48 | 15.37 |
| P4 | 4 | 260 | 15.27 | 15.16 | 15.06 | 14.96 | 14.87 | 14.77 | 14.68 | 14.59 | 14.50 | 14.41 |
| P4 | 4 | 270 | 14.32 | 14.24 | 14.16 | 14.08 | 14.00 | 13.92 | 13.84 | 14.69 | 14.60 | 14.52 |
| P3 | 6 | 389 | 15.03 | 15.79 | 16.48 | 17.10 | 17.84 | 18.35 | 18.82 | 19.25 | 19.65 | 20.01 |
| P3 | 6 | 399 | 20.36 | 20.68 | 20.97 | 21.25 | 21.52 | 21.76 | 21.99 | 22.21 | 22.42 | 22.61 |
| P3 | 6 | 409 | 22.80 | 22.98 | 23.14 | 23.30 | 23.45 | 23.60 | 23.74 | 23.87 | 23.99 | 24.12 |
| P3 | 6 | 419 | 24.23 | 24.34 | 24.45 | 24.55 | 24.65 | 24.75 | 24.84 | 24.93 | 25.01 | 25.27 |
| P3 | 6 | 429 | 25.34 | 25.42 | 25.49 | 25.56 | 25.62 | 25.69 | 25.75 | 25.81 | 25.87 | 25.92 |
| P3 | 6 | 439 | 25.98 | 26.03 | 26.08 | 26.14 | 26.18 | 26.23 | 26.28 | 26.32 | 26.37 | 26.41 |
| P3 | 6 | 449 | 26.45 | 26.49 | 26.53 | 26.69 | 26.73 | 26.76 | 26.80 | 26.82 | 26.85 | 26.88 |
| P3 | 6 | 459 | 26.92 | 26.95 | 26.98 | 27.01 | 27.03 | 27.06 | 27.09 | 27.12 | 27.14 | 27.17 |
| P3 | 6 | 469 | 27.20 | 27.22 | 27.25 | 27.27 | 27.29 | 27.32 | 27.34 | 27.36 | 27.38 | 27.40 |
| P3 | 6 | 479 | 27.42 | 27.45 | 27.47 | 27.49 | 27.50 | 27.52 | 27.54 | 27.20 | | |
| P2 | 8 | 561 | 27.01 | 27.00 | 26.99 | 26.99 | 27.00 | 27.02 | 26.99 | 26.97 | 26.94 | 26.92 |
| P2 | 8 | 571 | 26.90 | 26.87 | 26.85 | 26.83 | 26.80 | 26.78 | 26.76 | 26.74 | 26.71 | 26.69 |
| P2 | 8 | 581 | 26.68 | 26.66 | 26.64 | 26.63 | 26.59 | 26.56 | 26.51 | 26.47 | 26.41 | 26.35 |
| P2 | 8 | 591 | 26.28 | 26.20 | 26.09 | 25.97 | 25.82 | 25.63 | 25.40 | 25.11 | 24.75 | 24.30 |
| P2 | 8 | 601 | 23.72 | 22.99 | 22.07 | | | | | | | |
| P1 | 9 | 604 | 21.90 | 21.81 | 21.72 | 21.63 | 21.54 | 21.46 | 21.38 | 21.30 | 21.23 | 21.16 |
| P1 | 9 | 614 | 21.08 | 21.01 | 20.94 | 20.88 | 20.82 | 20.76 | 20.70 | 20.65 | 20.60 | 20.55 |
| P1 | 9 | 624 | 20.50 | 20.46 | 20.42 | 20.38 | 20.35 | 20.32 | 20.29 | 20.27 | 20.25 | 20.23 |
| P1 | 9 | 634 | 20.22 | 20.21 | 20.21 | 20.21 | 20.21 | 20.21 | 20.22 | 20.24 | 20.26 | 20.28 |
| P1 | 9 | 644 | 20.31 | 20.34 | 20.38 | 20.42 | 20.46 | 20.51 | 20.57 | 20.63 | 20.70 | 20.77 |
| P1 | 9 | 654 | 20.85 | 20.93 | 21.02 | 21.11 | 21.22 | 21.32 | 21.44 | 21.56 | 21.69 | 21.82 |
| P1 | 9 | 664 | 21.96 | 22.11 | 22.27 | 22.43 | 22.60 | 22.78 | | | | |
| PT | 2 | 123 | 21.35 | 21.33 | 21.32 | 21.31 | 21.30 | 21.28 | 21.27 | 21.26 | 21.25 | 21.23 |
| PT | 2 | 133 | 21.22 | 21.21 | 21.20 | 21.18 | 21.17 | 21.16 | 21.14 | 21.13 | 21.12 | 21.11 |
| PT | 2 | 143 | 21.09 | 21.08 | 21.07 | 21.06 | 21.04 | 21.03 | 21.02 | 21.01 | 20.99 | 20.98 |
| PT | 2 | 153 | 20.97 | 20.96 | 20.94 | 20.93 | 20.92 | 20.91 | 20.90 | 20.88 | 20.87 | 20.86 |
| PT | 2 | 163 | 20.85 | 20.83 | 20.82 | 20.81 | 20.80 | 20.78 | 20.77 | 20.76 | 20.75 | 20.73 |
| PT | 2 | 173 | 20.72 | 20.71 | 20.70 | 20.69 | 20.67 | 20.66 | 20.65 | 20.64 | 20.62 | 20.61 |
| PT | 2 | 183 | 20.60 | 20.59 | 20.57 | 20.56 | 20.55 | 20.54 | 20.53 | 20.51 | 20.50 | 20.49 |
| PT | 2 | 193 | 20.66 | 20.65 | 20.89 | 20.88 | 20.87 | 20.86 | 20.85 | 20.84 | 20.83 | 20.82 |
| EP | 5 | 280 | 12.42 | 12.38 | 12.34 | 12.30 | 12.26 | 12.22 | 12.18 | 12.14 | 12.10 | 12.07 |
| EP | 5 | 290 | 12.03 | 11.99 | 11.95 | 11.92 | 11.88 | 11.84 | 11.81 | 11.77 | 11.74 | 11.70 |
| EP | 5 | 300 | 11.67 | 11.63 | 12.99 | 12.95 | 12.91 | 12.87 | 12.83 | 12.79 | 12.74 | 12.70 |
| EP | 5 | 310 | 12.66 | 12.62 | 12.59 | 12.55 | 12.51 | 12.47 | 12.43 | 12.39 | 12.36 | 13.10 |
| EP | 5 | 320 | 13.06 | 13.02 | 12.98 | 12.94 | 12.90 | 12.86 | 12.82 | 12.78 | 12.74 | 12.70 |
| EP | 5 | 330 | 12.67 | 12.63 | 12.59 | 12.74 | 12.70 | 12.66 | 12.62 | 12.58 | 12.55 | 12.51 |
| EP | 5 | 340 | 12.88 | 12.84 | 12.80 | 12.76 | 12.72 | 12.69 | 12.65 | 12.61 | 12.58 | 12.54 |
| EP | 5 | 350 | 12.50 | 12.47 | 12.43 | 12.40 | 12.36 | 12.33 | 12.29 | 12.26 | 15.10 | 15.06 |
| EP | 5 | 360 | 15.01 | 14.96 | 14.92 | 14.87 | 14.83 | 14.78 | 14.74 | 14.69 | 14.65 | 14.60 |
| EP | 5 | 370 | 14.56 | 14.52 | 14.47 | 14.43 | 14.39 | 14.34 | 14.30 | 14.26 | 14.22 | 14.18 |
| EP | 5 | 380 | 14.13 | 14.09 | 14.05 | 14.01 | 13.97 | 13.93 | 13.89 | 13.85 | 13.81 | |
| AC | 7 | 487 | 23.53 | 23.41 | 23.30 | 23.18 | 23.06 | 22.95 | 22.83 | 22.72 | 22.60 | 22.49 |
| AC | 7 | 497 | 22.37 | 22.26 | 22.02 | 21.91 | 21.80 | 21.69 | 21.58 | 21.47 | 21.36 | 21.25 |
| AC | 7 | 507 | 21.15 | 21.04 | 20.93 | 20.83 | 20.72 | 20.62 | 20.51 | 20.41 | 20.31 | 20.21 |
| AC | 7 | 517 | 20.10 | 20.00 | 19.90 | 19.80 | 19.70 | 19.60 | 19.50 | 19.41 | 19.31 | 19.21 |
| AC | 7 | 527 | 19.11 | 19.02 | 18.92 | 18.83 | 18.73 | 18.64 | 18.54 | 18.44 | 18.35 | 18.25 |
| AC | 7 | 537 | 18.16 | 18.07 | 17.98 | 17.89 | 17.80 | 17.71 | 17.62 | 17.53 | 17.45 | 18.10 |
| AC | 7 | 547 | 18.02 | 17.93 | 17.84 | 17.75 | 17.66 | 17.57 | 17.49 | 17.40 | 17.31 | 17.23 |
| AC | 7 | 557 | 17.14 | 17.06 | 16.97 | 16.89 | | | | | | |

INTERMEDIATE REPORT
Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.28 | 1.28 | 1.28 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 |
| P6 | 1 | 11 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.26 | 1.26 |
| P6 | 1 | 21 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| P6 | 1 | 31 | 1.26 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| P6 | 1 | 41 | 1.25 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 |
| P6 | 1 | 51 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| P6 | 1 | 61 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| P6 | 1 | 71 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.38 | 1.38 | 1.38 | 1.38 |
| P6 | 1 | 81 | 1.38 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.53 | 1.52 |
| P6 | 1 | 91 | 1.52 | 1.52 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| P6 | 1 | 101 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.62 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 111 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 |
| P6 | 1 | 121 | 1.62 | 1.62 | | | | | | | | |
| P5 | 3 | 203 | 2.70 | 2.69 | 2.69 | 2.68 | 2.68 | 2.67 | 2.67 | 2.66 | 2.66 | 2.66 |
| P5 | 3 | 213 | 2.66 | 2.66 | 2.65 | 2.65 | 2.65 | 2.64 | 2.64 | 2.65 | 2.64 | 2.64 |
| P5 | 3 | 223 | 2.63 | 2.63 | 2.63 | 2.62 | 2.62 | 2.62 | 2.61 | 2.61 | 2.60 | 2.60 |
| P5 | 3 | 233 | 2.60 | 2.59 | 2.59 | 2.62 | 2.62 | 2.62 | 2.61 | | | |
| P4 | 4 | 240 | 2.60 | 2.59 | 2.58 | 2.57 | 2.57 | 2.56 | 2.55 | 2.54 | 2.53 | 2.52 |
| P4 | 4 | 250 | 2.52 | 2.51 | 2.50 | 2.49 | 2.49 | 2.48 | 2.47 | 2.46 | 2.46 | 2.45 |
| P4 | 4 | 260 | 2.44 | 2.44 | 2.43 | 2.43 | 2.42 | 2.41 | 2.41 | 2.40 | 2.40 | 2.39 |
| P4 | 4 | 270 | 2.39 | 2.38 | 2.37 | 2.37 | 2.36 | 2.36 | 2.35 | 2.39 | 2.39 | 2.38 |
| P3 | 6 | 389 | 1.86 | 1.81 | 1.77 | 1.74 | 1.71 | 1.68 | 1.66 | 1.63 | 1.61 | 1.58 |
| P3 | 6 | 399 | 1.56 | 1.54 | 1.53 | 1.51 | 1.49 | 1.48 | 1.46 | 1.45 | 1.44 | 1.43 |
| P3 | 6 | 409 | 1.42 | 1.41 | 1.40 | 1.39 | 1.38 | 1.37 | 1.36 | 1.35 | 1.34 | 1.34 |
| P3 | 6 | 419 | 1.33 | 1.32 | 1.32 | 1.31 | 1.31 | 1.30 | 1.29 | 1.29 | 1.28 | 1.29 |
| P3 | 6 | 429 | 1.29 | 1.28 | 1.28 | 1.28 | 1.27 | 1.27 | 1.26 | 1.26 | 1.25 | 1.25 |
| P3 | 6 | 439 | 1.25 | 1.24 | 1.24 | 1.24 | 1.23 | 1.23 | 1.23 | 1.22 | 1.22 | 1.22 |
| P3 | 6 | 449 | 1.22 | 1.21 | 1.21 | 1.22 | 1.22 | 1.21 | 1.21 | 1.21 | 1.21 | 1.20 |
| P3 | 6 | 459 | 1.20 | 1.20 | 1.20 | 1.20 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.18 |
| P3 | 6 | 469 | 1.18 | 1.18 | 1.18 | 1.18 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| P3 | 6 | 479 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.15 | | |
| P2 | 8 | 561 | 1.15 | 1.15 | 1.15 | 1.15 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| P2 | 8 | 571 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| P2 | 8 | 581 | 1.16 | 1.16 | 1.16 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| P2 | 8 | 591 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | 1.18 | 1.18 | 1.19 | 1.19 | 1.20 |
| P2 | 8 | 601 | 1.21 | 1.22 | 1.24 | | | | | | | |
| P1 | 9 | 604 | 1.24 | 1.24 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.26 | 1.26 | 1.26 |
| P1 | 9 | 614 | 1.26 | 1.27 | 1.27 | 1.27 | 1.27 | 1.28 | 1.28 | 1.28 | 1.29 | 1.29 |
| P1 | 9 | 624 | 1.29 | 1.30 | 1.30 | 1.30 | 1.31 | 1.31 | 1.32 | 1.32 | 1.32 | 1.33 |
| P1 | 9 | 634 | 1.33 | 1.34 | 1.34 | 1.35 | 1.35 | 1.36 | 1.37 | 1.37 | 1.38 | 1.38 |
| P1 | 9 | 644 | 1.39 | 1.40 | 1.40 | 1.41 | 1.42 | 1.43 | 1.43 | 1.44 | 1.45 | 1.46 |
| P1 | 9 | 654 | 1.47 | 1.47 | 1.48 | 1.49 | 1.50 | 1.51 | 1.52 | 1.53 | 1.54 | 1.55 |
| P1 | 9 | 664 | 1.56 | 1.58 | 1.59 | 1.60 | 1.61 | 1.63 | | | | |
| PT | 2 | 123 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 |
| PT | 2 | 133 | 3.91 | 3.91 | 3.91 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 |
| PT | 2 | 143 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 |
| PT | 2 | 153 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 |
| PT | 2 | 163 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.90 | 3.89 |
| PT | 2 | 173 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 |
| PT | 2 | 183 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 | 3.89 |
| PT | 2 | 193 | 3.90 | 3.90 | 3.67 | 3.67 | 3.67 | 3.67 | 3.66 | 3.66 | 3.66 | 3.66 |
| EP | 5 | 280 | 1.11 | 1.11 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| EP | 5 | 290 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| EP | 5 | 300 | 1.10 | 1.10 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 |
| EP | 5 | 310 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.23 |
| EP | 5 | 320 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.22 | 1.22 |
| EP | 5 | 330 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 |
| EP | 5 | 340 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| EP | 5 | 350 | 1.25 | 1.25 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.42 | 1.42 |
| EP | 5 | 360 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 |
| EP | 5 | 370 | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| EP | 5 | 380 | 1.40 | 1.40 | 1.40 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | |
| AC | 7 | 487 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.93 |
| AC | 7 | 497 | 0.93 | 0.93 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| AC | 7 | 507 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.91 | 0.91 | 0.91 | 0.91 |
| AC | 7 | 517 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.90 | 0.90 |
| AC | 7 | 527 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| AC | 7 | 537 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.95 |
| AC | 7 | 547 | 0.95 | 0.95 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| AC | 7 | 557 | 0.94 | 0.94 | 0.94 | 0.94 | | | | | | |

INTERMEDIATE REPORT
Effective Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.28 | 1.28 | 1.28 |
| P6 | 1 | 11 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| P6 | 1 | 21 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 |
| P6 | 1 | 31 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| P6 | 1 | 41 | 1.26 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 |
| P6 | 1 | 51 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| P6 | 1 | 61 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| P6 | 1 | 71 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 81 | 1.39 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| P6 | 1 | 91 | 1.54 | 1.54 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.64 |
| P6 | 1 | 101 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| P6 | 1 | 111 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| P6 | 1 | 121 | 1.63 | 1.63 | | | | | | | | |
| P5 | 3 | 203 | 2.72 | 2.72 | 2.73 | 2.73 | 2.74 | 2.74 | 2.75 | 2.75 | 2.76 | 2.76 |
| P5 | 3 | 213 | 2.78 | 2.78 | 2.79 | 2.79 | 2.80 | 2.80 | 2.81 | 2.83 | 2.83 | 2.84 |
| P5 | 3 | 223 | 2.84 | 2.85 | 2.85 | 2.86 | 2.86 | 2.87 | 2.88 | 2.88 | 2.89 | 2.89 |
| P5 | 3 | 233 | 2.90 | 2.90 | 2.91 | 2.95 | 2.96 | 2.96 | 2.97 | | | |
| P4 | 4 | 240 | 2.95 | 2.93 | 2.92 | 2.90 | 2.88 | 2.86 | 2.85 | 2.83 | 2.81 | 2.80 |
| P4 | 4 | 250 | 2.78 | 2.76 | 2.75 | 2.73 | 2.72 | 2.70 | 2.68 | 2.67 | 2.65 | 2.64 |
| P4 | 4 | 260 | 2.62 | 2.61 | 2.59 | 2.58 | 2.57 | 2.55 | 2.54 | 2.52 | 2.51 | 2.49 |
| P4 | 4 | 270 | 2.48 | 2.47 | 2.45 | 2.44 | 2.43 | 2.41 | 2.40 | 2.43 | 2.42 | 2.40 |
| P3 | 6 | 389 | 1.88 | 1.83 | 1.80 | 1.76 | 1.74 | 1.71 | 1.69 | 1.66 | 1.64 | 1.62 |
| P3 | 6 | 399 | 1.60 | 1.58 | 1.57 | 1.55 | 1.54 | 1.53 | 1.51 | 1.50 | 1.49 | 1.48 |
| P3 | 6 | 409 | 1.47 | 1.46 | 1.45 | 1.45 | 1.44 | 1.43 | 1.43 | 1.42 | 1.41 | 1.41 |
| P3 | 6 | 419 | 1.40 | 1.40 | 1.39 | 1.39 | 1.38 | 1.38 | 1.38 | 1.37 | 1.37 | 1.38 |
| P3 | 6 | 429 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.36 | 1.36 | 1.36 | 1.36 | 1.36 |
| P3 | 6 | 439 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 |
| P3 | 6 | 449 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 |
| P3 | 6 | 459 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P3 | 6 | 469 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P3 | 6 | 479 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | | |
| P2 | 8 | 561 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P2 | 8 | 571 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P2 | 8 | 581 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| P2 | 8 | 591 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | 1.35 | 1.36 | 1.36 |
| P2 | 8 | 601 | 1.37 | 1.38 | 1.40 | | | | | | | |
| P1 | 9 | 604 | 1.40 | 1.40 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.42 | 1.42 | 1.42 |
| P1 | 9 | 614 | 1.42 | 1.43 | 1.43 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44 | 1.45 | 1.45 |
| P1 | 9 | 624 | 1.45 | 1.46 | 1.46 | 1.46 | 1.47 | 1.47 | 1.48 | 1.48 | 1.49 | 1.49 |
| P1 | 9 | 634 | 1.50 | 1.50 | 1.51 | 1.51 | 1.52 | 1.52 | 1.53 | 1.53 | 1.54 | 1.55 |
| P1 | 9 | 644 | 1.55 | 1.56 | 1.57 | 1.57 | 1.58 | 1.59 | 1.59 | 1.60 | 1.61 | 1.62 |
| P1 | 9 | 654 | 1.63 | 1.64 | 1.64 | 1.65 | 1.66 | 1.67 | 1.68 | 1.69 | 1.70 | 1.72 |
| P1 | 9 | 664 | 1.73 | 1.74 | 1.75 | 1.76 | 1.77 | 1.79 | | | | |
| PT | 2 | 123 | 3.96 | 3.96 | 3.96 | 3.96 | 3.96 | 3.96 | 3.95 | 3.95 | 3.95 | 3.95 |
| PT | 2 | 133 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 | 3.94 |
| PT | 2 | 143 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 |
| PT | 2 | 153 | 3.94 | 3.94 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 |
| PT | 2 | 163 | 3.93 | 3.93 | 3.93 | 3.93 | 3.93 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 |
| PT | 2 | 173 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.91 | 3.91 |
| PT | 2 | 183 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 |
| PT | 2 | 193 | 3.92 | 3.92 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| EP | 5 | 280 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 | 1.14 | 1.14 |
| EP | 5 | 290 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 |
| EP | 5 | 300 | 1.14 | 1.13 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.22 | 1.22 |
| EP | 5 | 310 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.21 | 1.27 |
| EP | 5 | 320 | 1.27 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| EP | 5 | 330 | 1.25 | 1.25 | 1.25 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| EP | 5 | 340 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.27 |
| EP | 5 | 350 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | 1.45 | 1.45 |
| EP | 5 | 360 | 1.45 | 1.45 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.43 |
| EP | 5 | 370 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.43 | 1.42 | 1.42 | 1.42 | 1.42 |
| EP | 5 | 380 | 1.42 | 1.42 | 1.42 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | |
| AC | 7 | 487 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| AC | 7 | 497 | 1.12 | 1.12 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 |
| AC | 7 | 507 | 1.11 | 1.11 | 1.11 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| AC | 7 | 517 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 |
| AC | 7 | 527 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.08 | 1.08 | 1.08 |
| AC | 7 | 537 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.08 | 1.13 |
| AC | 7 | 547 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 |
| AC | 7 | 557 | 1.12 | 1.12 | 1.12 | 1.12 | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.28 |
| P6 | 1 | 11 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.26 | 0.26 |
| P6 | 1 | 21 | 0.26 | 0.26 | 0.26 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 |
| P6 | 1 | 31 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 | 0.23 | 0.23 |
| P6 | 1 | 41 | 0.23 | 0.63 | 0.63 | 0.62 | 0.62 | 0.62 | 0.61 | 0.61 | 0.60 | 0.60 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 51 | 0.59 | 0.59 | 0.58 | 0.58 | 0.57 | 0.57 | 0.57 | 0.56 | 0.56 | 0.55 |
| P6 | 1 | 61 | 0.55 | 0.54 | 0.54 | 0.54 | 0.53 | 0.53 | 0.52 | 0.52 | 0.52 | 0.51 |
| P6 | 1 | 71 | 0.51 | 0.50 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 |
| P6 | 1 | 81 | 0.47 | 0.85 | 0.84 | 0.84 | 0.83 | 0.83 | 0.82 | 0.81 | 0.81 | 0.80 |
| P6 | 1 | 91 | 0.79 | 0.79 | 1.08 | 1.08 | 1.07 | 1.06 | 1.05 | 1.04 | 1.04 | 1.03 |
| P6 | 1 | 101 | 1.02 | 1.01 | 1.01 | 1.00 | 0.99 | 0.98 | 0.98 | 0.97 | 0.96 | 0.95 |
| P6 | 1 | 111 | 0.95 | 0.94 | 0.93 | 0.93 | 0.92 | 0.91 | 0.91 | 0.90 | 0.89 | 0.89 |
| P6 | 1 | 121 | 0.88 | 0.87 | | | | | | | | |
| P5 | 3 | 203 | 0.67 | 0.66 | 0.66 | 0.65 | 0.65 | 0.65 | 0.64 | 0.64 | 0.64 | 0.63 |
| P5 | 3 | 213 | 0.67 | 0.67 | 0.67 | 0.66 | 0.66 | 0.65 | 0.65 | 0.69 | 0.69 | 0.68 |
| P5 | 3 | 223 | 0.68 | 0.68 | 0.67 | 0.67 | 0.67 | 0.67 | 0.66 | 0.66 | 0.66 | 0.65 |
| P5 | 3 | 233 | 0.65 | 0.65 | 0.64 | 0.85 | 0.84 | 0.84 | 0.83 | | | |
| P4 | 4 | 240 | 0.82 | 0.81 | 0.79 | 0.78 | 0.77 | 0.76 | 0.74 | 0.73 | 0.72 | 0.71 |
| P4 | 4 | 250 | 0.70 | 0.69 | 0.68 | 0.67 | 0.66 | 0.65 | 0.64 | 0.63 | 0.62 | 0.61 |
| P4 | 4 | 260 | 0.61 | 0.60 | 0.59 | 0.58 | 0.58 | 0.57 | 0.56 | 0.55 | 0.55 | 0.54 |
| P4 | 4 | 270 | 0.53 | 0.53 | 0.52 | 0.52 | 0.51 | 0.50 | 0.50 | 0.65 | 0.64 | 0.64 |
| P3 | 6 | 389 | 0.64 | 0.62 | 0.60 | 0.59 | 0.61 | 0.59 | 0.58 | 0.57 | 0.56 | 0.55 |
| P3 | 6 | 399 | 0.54 | 0.53 | 0.52 | 0.51 | 0.51 | 0.50 | 0.49 | 0.49 | 0.48 | 0.48 |
| P3 | 6 | 409 | 0.47 | 0.47 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 |
| P3 | 6 | 419 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.46 |
| P3 | 6 | 429 | 0.45 | 0.45 | 0.45 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 |
| P3 | 6 | 439 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 |
| P3 | 6 | 449 | 0.41 | 0.41 | 0.41 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| P3 | 6 | 459 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 |
| P3 | 6 | 469 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 479 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.40 | | |
| P2 | 8 | 561 | 0.40 | 0.40 | 0.40 | 0.41 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P2 | 8 | 571 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P2 | 8 | 581 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.41 |
| P2 | 8 | 591 | 0.41 | 0.41 | 0.41 | 0.40 | 0.40 | 0.39 | 0.38 | 0.37 | 0.36 | 0.35 |
| P2 | 8 | 601 | 0.33 | 0.31 | 0.28 | | | | | | | |
| P1 | 9 | 604 | 0.28 | 0.27 | 0.27 | 0.27 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.25 |
| P1 | 9 | 614 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 | 0.23 | 0.23 |
| P1 | 9 | 624 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| P1 | 9 | 634 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| P1 | 9 | 644 | 0.19 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 |
| P1 | 9 | 654 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| P1 | 9 | 664 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | | | | |
| PT | 2 | 123 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 133 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 143 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 153 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 163 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| PT | 2 | 173 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.16 |
| PT | 2 | 183 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| PT | 2 | 193 | 0.16 | 0.16 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| EP | 5 | 280 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| EP | 5 | 290 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| EP | 5 | 300 | 0.10 | 0.10 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.32 |
| EP | 5 | 310 | 0.32 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 | 0.30 | 0.29 | 0.42 |
| EP | 5 | 320 | 0.42 | 0.41 | 0.41 | 0.41 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.38 |
| EP | 5 | 330 | 0.38 | 0.38 | 0.37 | 0.40 | 0.40 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 |
| EP | 5 | 340 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 |
| EP | 5 | 350 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.89 | 0.89 |
| EP | 5 | 360 | 0.88 | 0.87 | 0.86 | 0.85 | 0.85 | 0.84 | 0.83 | 0.82 | 0.82 | 0.81 |
| EP | 5 | 370 | 0.80 | 0.79 | 0.79 | 0.78 | 0.77 | 0.77 | 0.76 | 0.75 | 0.75 | 0.74 |
| EP | 5 | 380 | 0.73 | 0.73 | 0.72 | 0.72 | 0.71 | 0.70 | 0.70 | 0.69 | 0.69 | |
| AC | 7 | 487 | 0.53 | 0.52 | 0.52 | 0.51 | 0.50 | 0.49 | 0.49 | 0.48 | 0.47 | 0.47 |
| AC | 7 | 497 | 0.46 | 0.45 | 0.44 | 0.44 | 0.43 | 0.43 | 0.42 | 0.41 | 0.41 | 0.40 |
| AC | 7 | 507 | 0.40 | 0.39 | 0.39 | 0.38 | 0.38 | 0.37 | 0.37 | 0.36 | 0.36 | 0.35 |
| AC | 7 | 517 | 0.35 | 0.34 | 0.34 | 0.33 | 0.33 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 |
| AC | 7 | 527 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 |
| AC | 7 | 537 | 0.26 | 0.26 | 0.26 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.37 |
| AC | 7 | 547 | 0.37 | 0.36 | 0.36 | 0.35 | 0.35 | 0.35 | 0.34 | 0.34 | 0.33 | 0.33 |
| AC | 7 | 557 | 0.32 | 0.32 | 0.31 | 0.31 | | | | | | |

INTERMEDIATE REPORT
Nitrate+Nitrite Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 |
| P6 | 1 | 11 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 21 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.13 |
| P6 | 1 | 31 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 |
| P6 | 1 | 41 | 0.14 | 0.22 | 0.22 | 0.23 | 0.23 | 0.24 | 0.24 | 0.24 | 0.25 | 0.25 |
| P6 | 1 | 51 | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 | 0.27 | 0.28 | 0.28 | 0.28 | 0.29 |
| P6 | 1 | 61 | 0.29 | 0.29 | 0.30 | 0.30 | 0.30 | 0.31 | 0.31 | 0.31 | 0.32 | 0.32 |
| P6 | 1 | 71 | 0.32 | 0.32 | 0.33 | 0.33 | 0.33 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 |
| P6 | 1 | 81 | 0.35 | 0.42 | 0.42 | 0.43 | 0.43 | 0.44 | 0.44 | 0.44 | 0.45 | 0.45 |
| P6 | 1 | 91 | 0.46 | 0.46 | 0.52 | 0.53 | 0.53 | 0.54 | 0.54 | 0.55 | 0.56 | 0.56 |
| P6 | 1 | 101 | 0.57 | 0.57 | 0.58 | 0.58 | 0.59 | 0.60 | 0.60 | 0.61 | 0.61 | 0.62 |
| P6 | 1 | 111 | 0.62 | 0.63 | 0.63 | 0.63 | 0.64 | 0.64 | 0.65 | 0.65 | 0.66 | 0.66 |
| P6 | 1 | 121 | 0.66 | 0.67 | | | | | | | | |
| P5 | 3 | 203 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.42 |
| P5 | 3 | 213 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P5 | 3 | 223 | 0.42 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.40 |
| P5 | 3 | 233 | 0.40 | 0.40 | 0.40 | 0.44 | 0.44 | 0.44 | 0.44 | | | |
| P4 | 4 | 240 | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 | 0.41 | 0.41 | 0.41 | 0.40 | 0.40 |
| P4 | 4 | 250 | 0.40 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 |
| P4 | 4 | 260 | 0.37 | 0.37 | 0.37 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 | 0.35 |
| P4 | 4 | 270 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.37 | 0.37 | 0.37 |
| P3 | 6 | 389 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| P3 | 6 | 399 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.40 |
| P3 | 6 | 409 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 419 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | 0.40 |
| P3 | 6 | 429 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 439 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 |
| P3 | 6 | 449 | 0.39 | 0.39 | 0.39 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 459 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| P3 | 6 | 469 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| P3 | 6 | 479 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | | |
| P2 | 8 | 561 | 0.38 | 0.38 | 0.38 | 0.38 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| P2 | 8 | 571 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| P2 | 8 | 581 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| P2 | 8 | 591 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.36 | 0.35 | 0.35 | 0.34 | 0.32 |
| P2 | 8 | 601 | 0.31 | 0.28 | 0.26 | | | | | | | |
| P1 | 9 | 604 | 0.25 | 0.25 | 0.25 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 | 0.23 | 0.22 |
| P1 | 9 | 614 | 0.22 | 0.22 | 0.21 | 0.21 | 0.21 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 |
| P1 | 9 | 624 | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 |
| P1 | 9 | 634 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 |
| P1 | 9 | 644 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 | 0.11 | 0.11 |
| P1 | 9 | 654 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 |
| P1 | 9 | 664 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | | |
| PT | 2 | 123 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| PT | 2 | 133 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| PT | 2 | 143 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| PT | 2 | 153 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| PT | 2 | 163 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 |
| PT | 2 | 173 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| PT | 2 | 183 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| PT | 2 | 193 | 0.02 | 0.02 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |
| EP | 5 | 280 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| EP | 5 | 290 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| EP | 5 | 300 | 0.09 | 0.09 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 |
| EP | 5 | 310 | 0.15 | 0.15 | 0.15 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.19 |
| EP | 5 | 320 | 0.19 | 0.19 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 |
| EP | 5 | 330 | 0.21 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 | 0.22 | 0.23 | 0.23 | 0.23 |
| EP | 5 | 340 | 0.24 | 0.24 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.26 | 0.26 |
| EP | 5 | 350 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 | 0.27 | 0.40 | 0.41 |
| EP | 5 | 360 | 0.41 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.43 | 0.44 | 0.44 | 0.44 |
| EP | 5 | 370 | 0.45 | 0.45 | 0.45 | 0.46 | 0.46 | 0.46 | 0.47 | 0.47 | 0.47 | 0.47 |
| EP | 5 | 380 | 0.48 | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | |
| AC | 7 | 487 | 0.18 | 0.18 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| AC | 7 | 497 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| AC | 7 | 507 | 0.21 | 0.21 | 0.21 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| AC | 7 | 517 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| AC | 7 | 527 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |
| AC | 7 | 537 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | 0.17 |
| AC | 7 | 547 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 |
| AC | 7 | 557 | 0.16 | 0.16 | 0.16 | 0.16 | | | | | | |

INTERMEDIATE REPORT
Total Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| P6 | 1 | 11 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 |
| P6 | 1 | 21 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| P6 | 1 | 31 | 1.63 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 |
| P6 | 1 | 41 | 1.62 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.25 | 2.25 |
| P6 | 1 | 51 | 2.25 | 2.25 | 2.25 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 |
| P6 | 1 | 61 | 2.24 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.23 | 2.22 | 2.22 | 2.22 |
| P6 | 1 | 71 | 2.22 | 2.22 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.21 | 2.20 | 2.20 |
| P6 | 1 | 81 | 2.20 | 2.80 | 2.80 | 2.79 | 2.79 | 2.79 | 2.79 | 2.78 | 2.78 | 2.78 |
| P6 | 1 | 91 | 2.78 | 2.77 | 3.24 | 3.24 | 3.24 | 3.23 | 3.23 | 3.23 | 3.23 | 3.22 |
| P6 | 1 | 101 | 3.22 | 3.22 | 3.21 | 3.21 | 3.21 | 3.21 | 3.20 | 3.20 | 3.20 | 3.19 |
| P6 | 1 | 111 | 3.19 | 3.19 | 3.18 | 3.18 | 3.18 | 3.18 | 3.17 | 3.17 | 3.17 | 3.16 |
| P6 | 1 | 121 | 3.16 | 3.16 | | | | | | | | |
| P5 | 3 | 203 | 3.80 | 3.79 | 3.78 | 3.77 | 3.76 | 3.75 | 3.74 | 3.73 | 3.72 | 3.71 |
| P5 | 3 | 213 | 3.77 | 3.76 | 3.75 | 3.74 | 3.73 | 3.72 | 3.71 | 3.76 | 3.75 | 3.74 |
| P5 | 3 | 223 | 3.73 | 3.72 | 3.71 | 3.70 | 3.70 | 3.69 | 3.68 | 3.68 | 3.67 | 3.66 |
| P5 | 3 | 233 | 3.65 | 3.64 | 3.63 | 3.91 | 3.90 | 3.89 | 3.88 | | | |
| P4 | 4 | 240 | 3.86 | 3.83 | 3.80 | 3.78 | 3.75 | 3.73 | 3.70 | 3.68 | 3.65 | 3.63 |
| P4 | 4 | 250 | 3.61 | 3.59 | 3.57 | 3.55 | 3.53 | 3.51 | 3.49 | 3.47 | 3.45 | 3.44 |
| P4 | 4 | 260 | 3.42 | 3.40 | 3.39 | 3.37 | 3.36 | 3.34 | 3.33 | 3.31 | 3.30 | 3.29 |
| P4 | 4 | 270 | 3.27 | 3.26 | 3.25 | 3.23 | 3.22 | 3.21 | 3.20 | 3.42 | 3.41 | 3.40 |
| P3 | 6 | 389 | 2.92 | 2.86 | 2.80 | 2.75 | 2.75 | 2.70 | 2.66 | 2.62 | 2.58 | 2.55 |
| P3 | 6 | 399 | 2.52 | 2.49 | 2.46 | 2.43 | 2.41 | 2.39 | 2.37 | 2.35 | 2.33 | 2.31 |
| P3 | 6 | 409 | 2.29 | 2.28 | 2.26 | 2.25 | 2.23 | 2.22 | 2.21 | 2.19 | 2.18 | 2.17 |
| P3 | 6 | 419 | 2.16 | 2.15 | 2.14 | 2.13 | 2.12 | 2.11 | 2.11 | 2.10 | 2.09 | 2.15 |
| P3 | 6 | 429 | 2.14 | 2.14 | 2.13 | 2.12 | 2.11 | 2.11 | 2.10 | 2.09 | 2.09 | 2.08 |
| P3 | 6 | 439 | 2.07 | 2.07 | 2.06 | 2.06 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 | 2.02 |
| P3 | 6 | 449 | 2.02 | 2.02 | 2.01 | 2.06 | 2.05 | 2.05 | 2.04 | 2.04 | 2.03 | 2.03 |
| P3 | 6 | 459 | 2.03 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | 1.99 |
| P3 | 6 | 469 | 1.99 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 |
| P3 | 6 | 479 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.93 | | |
| P2 | 8 | 561 | 1.93 | 1.93 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 |
| P2 | 8 | 571 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 |
| P2 | 8 | 581 | 1.96 | 1.97 | 1.97 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 |
| P2 | 8 | 591 | 1.96 | 1.95 | 1.95 | 1.94 | 1.94 | 1.93 | 1.92 | 1.91 | 1.89 | 1.87 |
| P2 | 8 | 601 | 1.85 | 1.82 | 1.78 | | | | | | | |
| P1 | 9 | 604 | 1.77 | 1.77 | 1.76 | 1.76 | 1.75 | 1.75 | 1.75 | 1.74 | 1.74 | 1.74 |
| P1 | 9 | 614 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.72 | 1.72 | 1.71 | 1.71 | 1.71 |
| P1 | 9 | 624 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| P1 | 9 | 634 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.71 | 1.71 |
| P1 | 9 | 644 | 1.71 | 1.71 | 1.71 | 1.72 | 1.72 | 1.72 | 1.73 | 1.73 | 1.74 | 1.74 |
| P1 | 9 | 654 | 1.75 | 1.75 | 1.76 | 1.76 | 1.77 | 1.78 | 1.78 | 1.79 | 1.80 | 1.81 |
| P1 | 9 | 664 | 1.81 | 1.82 | 1.83 | 1.84 | 1.85 | 1.86 | | | | |
| PT | 2 | 123 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 |
| PT | 2 | 133 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 |
| PT | 2 | 143 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 |
| PT | 2 | 153 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.07 | 4.07 | 4.07 |
| PT | 2 | 163 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 |
| PT | 2 | 173 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 |
| PT | 2 | 183 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 | 4.07 |
| PT | 2 | 193 | 4.08 | 4.08 | 4.40 | 4.40 | 4.40 | 4.40 | 4.40 | 4.40 | 4.40 | 4.40 |
| EP | 5 | 280 | 1.31 | 1.31 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| EP | 5 | 290 | 1.30 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 |
| EP | 5 | 300 | 1.29 | 1.28 | 1.67 | 1.67 | 1.67 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| EP | 5 | 310 | 1.65 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.85 |
| EP | 5 | 320 | 1.84 | 1.84 | 1.84 | 1.83 | 1.83 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 |
| EP | 5 | 330 | 1.81 | 1.81 | 1.81 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.83 |
| EP | 5 | 340 | 1.94 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.91 | 1.91 |
| EP | 5 | 350 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 2.72 | 2.72 |
| EP | 5 | 360 | 2.71 | 2.70 | 2.70 | 2.69 | 2.69 | 2.68 | 2.68 | 2.67 | 2.67 | 2.66 |
| EP | 5 | 370 | 2.66 | 2.65 | 2.65 | 2.64 | 2.64 | 2.63 | 2.63 | 2.62 | 2.62 | 2.61 |
| EP | 5 | 380 | 2.61 | 2.60 | 2.60 | 2.59 | 2.59 | 2.58 | 2.58 | 2.57 | 2.57 | |
| AC | 7 | 487 | 1.66 | 1.65 | 1.64 | 1.64 | 1.63 | 1.62 | 1.62 | 1.61 | 1.60 | 1.60 |
| AC | 7 | 497 | 1.59 | 1.58 | 1.58 | 1.57 | 1.56 | 1.56 | 1.55 | 1.54 | 1.54 | 1.53 |
| AC | 7 | 507 | 1.52 | 1.52 | 1.51 | 1.50 | 1.50 | 1.49 | 1.48 | 1.48 | 1.47 | 1.46 |
| AC | 7 | 517 | 1.46 | 1.45 | 1.44 | 1.44 | 1.43 | 1.42 | 1.42 | 1.41 | 1.40 | 1.40 |
| AC | 7 | 527 | 1.39 | 1.38 | 1.38 | 1.37 | 1.36 | 1.36 | 1.35 | 1.34 | 1.34 | 1.33 |
| AC | 7 | 537 | 1.32 | 1.32 | 1.31 | 1.30 | 1.30 | 1.29 | 1.29 | 1.28 | 1.27 | 1.50 |
| AC | 7 | 547 | 1.49 | 1.48 | 1.48 | 1.47 | 1.46 | 1.46 | 1.45 | 1.44 | 1.44 | 1.43 |
| AC | 7 | 557 | 1.42 | 1.42 | 1.41 | 1.41 | | | | | | |

mg/L TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.65 | 1.65 |
| P6 | 1 | 11 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| P6 | 1 | 21 | 1.65 | 1.65 | 1.65 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 |
| P6 | 1 | 31 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63 |
| P6 | 1 | 41 | 1.63 | 2.28 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 | 2.27 |
| P6 | 1 | 51 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.26 | 2.25 | 2.25 | 2.25 | 2.25 |
| P6 | 1 | 61 | 2.25 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.23 | 2.23 |
| P6 | 1 | 71 | 2.23 | 2.23 | 2.23 | 2.23 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.21 |
| P6 | 1 | 81 | 2.21 | 2.81 | 2.81 | 2.81 | 2.80 | 2.80 | 2.80 | 2.80 | 2.79 | 2.79 |
| P6 | 1 | 91 | 2.79 | 2.79 | 3.25 | 3.25 | 3.25 | 3.25 | 3.24 | 3.24 | 3.24 | 3.24 |
| P6 | 1 | 101 | 3.23 | 3.23 | 3.23 | 3.22 | 3.22 | 3.22 | 3.22 | 3.21 | 3.21 | 3.21 |
| P6 | 1 | 111 | 3.20 | 3.20 | 3.20 | 3.19 | 3.19 | 3.19 | 3.18 | 3.18 | 3.18 | 3.18 |
| P6 | 1 | 121 | 3.17 | 3.17 | | | | | | | | |
| P5 | 3 | 203 | 3.83 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 |
| P5 | 3 | 213 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.94 | 3.94 | 3.94 |
| P5 | 3 | 223 | 3.94 | 3.94 | 3.94 | 3.94 | 3.94 | 3.95 | 3.95 | 3.95 | 3.95 | 3.95 |
| P5 | 3 | 233 | 3.95 | 3.95 | 3.95 | 4.24 | 4.24 | 4.24 | 4.24 | | | |
| P4 | 4 | 240 | 4.20 | 4.17 | 4.13 | 4.10 | 4.06 | 4.03 | 4.00 | 3.97 | 3.94 | 3.90 |
| P4 | 4 | 250 | 3.87 | 3.84 | 3.82 | 3.79 | 3.76 | 3.73 | 3.70 | 3.68 | 3.65 | 3.63 |
| P4 | 4 | 260 | 3.60 | 3.57 | 3.55 | 3.53 | 3.50 | 3.48 | 3.46 | 3.43 | 3.41 | 3.39 |
| P4 | 4 | 270 | 3.37 | 3.35 | 3.32 | 3.30 | 3.28 | 3.26 | 3.24 | 3.46 | 3.44 | 3.41 |
| P3 | 6 | 389 | 2.94 | 2.88 | 2.82 | 2.77 | 2.77 | 2.73 | 2.69 | 2.65 | 2.62 | 2.58 |
| P3 | 6 | 399 | 2.55 | 2.53 | 2.50 | 2.48 | 2.46 | 2.43 | 2.41 | 2.40 | 2.38 | 2.36 |
| P3 | 6 | 409 | 2.35 | 2.33 | 2.32 | 2.31 | 2.29 | 2.28 | 2.27 | 2.26 | 2.25 | 2.24 |
| P3 | 6 | 419 | 2.23 | 2.22 | 2.22 | 2.21 | 2.20 | 2.19 | 2.19 | 2.18 | 2.18 | 2.24 |
| P3 | 6 | 429 | 2.23 | 2.23 | 2.22 | 2.22 | 2.21 | 2.20 | 2.20 | 2.19 | 2.19 | 2.18 |
| P3 | 6 | 439 | 2.18 | 2.18 | 2.17 | 2.17 | 2.16 | 2.16 | 2.16 | 2.15 | 2.15 | 2.15 |
| P3 | 6 | 449 | 2.14 | 2.14 | 2.14 | 2.19 | 2.18 | 2.18 | 2.18 | 2.17 | 2.17 | 2.17 |
| P3 | 6 | 459 | 2.17 | 2.16 | 2.16 | 2.16 | 2.16 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 |
| P3 | 6 | 469 | 2.15 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.13 | 2.13 |
| P3 | 6 | 479 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.13 | 2.12 | | |
| P2 | 8 | 561 | 2.11 | 2.12 | 2.12 | 2.13 | 2.14 | 2.16 | 2.15 | 2.15 | 2.15 | 2.15 |
| P2 | 8 | 571 | 2.15 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 |
| P2 | 8 | 581 | 2.14 | 2.14 | 2.14 | 2.15 | 2.15 | 2.14 | 2.14 | 2.14 | 2.13 | 2.13 |
| P2 | 8 | 591 | 2.13 | 2.12 | 2.12 | 2.11 | 2.10 | 2.09 | 2.08 | 2.07 | 2.05 | 2.03 |
| P2 | 8 | 601 | 2.01 | 1.98 | 1.94 | | | | | | | |
| P1 | 9 | 604 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 |
| P1 | 9 | 614 | 1.90 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 |
| P1 | 9 | 624 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 |
| P1 | 9 | 634 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.87 | 1.87 | 1.87 |
| P1 | 9 | 644 | 1.87 | 1.87 | 1.88 | 1.88 | 1.88 | 1.89 | 1.89 | 1.89 | 1.90 | 1.90 |
| P1 | 9 | 654 | 1.91 | 1.91 | 1.92 | 1.93 | 1.93 | 1.94 | 1.94 | 1.95 | 1.96 | 1.97 |
| P1 | 9 | 664 | 1.98 | 1.98 | 1.99 | 2.00 | 2.01 | 2.02 | | | | |
| PT | 2 | 123 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.12 | 4.12 |
| PT | 2 | 133 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 |
| PT | 2 | 143 | 4.12 | 4.12 | 4.12 | 4.12 | 4.12 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| PT | 2 | 153 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| PT | 2 | 163 | 4.11 | 4.11 | 4.11 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 |
| PT | 2 | 173 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 | 4.10 |
| PT | 2 | 183 | 4.10 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 | 4.09 |
| PT | 2 | 193 | 4.10 | 4.10 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 |
| EP | 5 | 280 | 1.35 | 1.35 | 1.35 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| EP | 5 | 290 | 1.34 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.32 |
| EP | 5 | 300 | 1.32 | 1.32 | 1.71 | 1.71 | 1.70 | 1.70 | 1.70 | 1.70 | 1.69 | 1.69 |
| EP | 5 | 310 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.68 | 1.67 | 1.67 | 1.67 | 1.88 |
| EP | 5 | 320 | 1.88 | 1.87 | 1.87 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.85 | 1.85 |
| EP | 5 | 330 | 1.85 | 1.84 | 1.84 | 1.88 | 1.88 | 1.88 | 1.87 | 1.87 | 1.87 | 1.86 |
| EP | 5 | 340 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 |
| EP | 5 | 350 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.91 | 2.75 | 2.74 |
| EP | 5 | 360 | 2.74 | 2.73 | 2.72 | 2.72 | 2.71 | 2.71 | 2.70 | 2.70 | 2.69 | 2.69 |
| EP | 5 | 370 | 2.68 | 2.68 | 2.67 | 2.66 | 2.66 | 2.65 | 2.65 | 2.64 | 2.64 | 2.63 |
| EP | 5 | 380 | 2.63 | 2.62 | 2.62 | 2.61 | 2.61 | 2.60 | 2.60 | 2.59 | 2.59 | |
| AC | 7 | 487 | 1.84 | 1.84 | 1.83 | 1.82 | 1.82 | 1.81 | 1.80 | 1.80 | 1.79 | 1.78 |
| AC | 7 | 497 | 1.78 | 1.77 | 1.77 | 1.76 | 1.75 | 1.74 | 1.74 | 1.73 | 1.72 | 1.72 |
| AC | 7 | 507 | 1.71 | 1.70 | 1.70 | 1.69 | 1.68 | 1.68 | 1.67 | 1.66 | 1.66 | 1.65 |
| AC | 7 | 517 | 1.64 | 1.64 | 1.63 | 1.62 | 1.62 | 1.61 | 1.60 | 1.60 | 1.59 | 1.58 |
| AC | 7 | 527 | 1.58 | 1.57 | 1.56 | 1.56 | 1.55 | 1.54 | 1.54 | 1.53 | 1.52 | 1.52 |
| AC | 7 | 537 | 1.51 | 1.50 | 1.50 | 1.49 | 1.49 | 1.48 | 1.47 | 1.47 | 1.46 | 1.68 |
| AC | 7 | 547 | 1.68 | 1.67 | 1.66 | 1.66 | 1.65 | 1.64 | 1.64 | 1.63 | 1.62 | 1.62 |
| AC | 7 | 557 | 1.61 | 1.61 | 1.60 | 1.59 | | | | | | |

INTERMEDIATE REPORT
Chlorophyll a
µg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 11 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 21 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 31 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 41 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 51 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 61 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 71 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 81 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 91 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 101 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 111 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| P6 | 1 | 121 | 1.50 | 1.50 | | | | | | | | |
| P5 | 3 | 203 | 2.59 | 3.69 | 4.78 | 5.88 | 6.97 | 8.07 | 9.16 | 10.26 | 11.35 | 12.45 |
| P5 | 3 | 213 | 13.54 | 14.64 | 15.73 | 16.82 | 17.92 | 19.01 | 20.11 | 21.20 | 22.30 | 23.39 |
| P5 | 3 | 223 | 24.49 | 25.58 | 26.68 | 27.77 | 28.86 | 29.96 | 31.05 | 32.15 | 33.24 | 34.34 |
| P5 | 3 | 233 | 35.43 | 36.53 | 37.62 | 38.72 | 39.81 | 40.91 | 42.00 | | | |
| P4 | 4 | 240 | 41.01 | 40.01 | 39.02 | 38.03 | 37.03 | 36.04 | 35.04 | 34.05 | 33.06 | 32.06 |
| P4 | 4 | 250 | 31.07 | 30.08 | 29.08 | 28.09 | 27.09 | 26.10 | 25.11 | 24.11 | 23.12 | 22.12 |
| P4 | 4 | 260 | 21.13 | 20.14 | 19.14 | 18.15 | 17.16 | 16.16 | 15.17 | 14.18 | 13.18 | 12.19 |
| P4 | 4 | 270 | 11.19 | 10.20 | 9.21 | 8.21 | 7.22 | 6.23 | 5.23 | 4.24 | 3.24 | 2.25 |
| P3 | 6 | 389 | 2.45 | 2.65 | 2.85 | 3.06 | 3.26 | 3.46 | 3.66 | 3.86 | 4.06 | 4.27 |
| P3 | 6 | 399 | 4.47 | 4.67 | 4.87 | 5.07 | 5.27 | 5.47 | 5.68 | 5.88 | 6.08 | 6.28 |
| P3 | 6 | 409 | 6.48 | 6.68 | 6.89 | 7.09 | 7.29 | 7.49 | 7.69 | 7.89 | 8.09 | 8.30 |
| P3 | 6 | 419 | 8.50 | 8.70 | 8.90 | 9.10 | 9.30 | 9.51 | 9.71 | 9.91 | 10.11 | 10.31 |
| P3 | 6 | 429 | 10.51 | 10.71 | 10.92 | 11.12 | 11.32 | 11.52 | 11.72 | 11.92 | 12.12 | 12.33 |
| P3 | 6 | 439 | 12.53 | 12.73 | 12.93 | 13.13 | 13.33 | 13.54 | 13.74 | 13.94 | 14.14 | 14.34 |
| P3 | 6 | 449 | 14.54 | 14.74 | 14.95 | 15.15 | 15.35 | 15.55 | 15.75 | 15.95 | 16.16 | 16.36 |
| P3 | 6 | 459 | 16.56 | 16.76 | 16.96 | 17.16 | 17.36 | 17.57 | 17.77 | 17.97 | 18.17 | 18.37 |
| P3 | 6 | 469 | 18.57 | 18.78 | 18.98 | 19.18 | 19.38 | 19.58 | 19.78 | 19.98 | 20.19 | 20.39 |
| P3 | 6 | 479 | 20.59 | 20.79 | 20.99 | 21.19 | 21.40 | 21.60 | 21.80 | 22.00 | | |
| P2 | 8 | 561 | 21.93 | 21.86 | 21.79 | 21.72 | 21.65 | 21.58 | 21.51 | 21.44 | 21.37 | 21.30 |
| P2 | 8 | 571 | 21.23 | 21.16 | 21.09 | 21.02 | 20.95 | 20.88 | 20.81 | 20.74 | 20.67 | 20.60 |
| P2 | 8 | 581 | 20.53 | 20.47 | 20.40 | 20.33 | 20.26 | 20.19 | 20.12 | 20.05 | 19.98 | 19.91 |
| P2 | 8 | 591 | 19.84 | 19.77 | 19.70 | 19.63 | 19.56 | 19.49 | 19.42 | 19.35 | 19.28 | 19.21 |
| P2 | 8 | 601 | 19.14 | 19.07 | 19.00 | | | | | | | |
| P1 | 9 | 604 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 614 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 624 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 634 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 644 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 654 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 |
| P1 | 9 | 664 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | 19.00 | | | | |
| PT | 2 | 123 | 5.94 | 5.89 | 5.83 | 5.78 | 5.72 | 5.66 | 5.61 | 5.55 | 5.49 | 5.44 |
| PT | 2 | 133 | 5.38 | 5.32 | 5.27 | 5.21 | 5.16 | 5.10 | 5.04 | 4.99 | 4.93 | 4.88 |
| PT | 2 | 143 | 4.82 | 4.76 | 4.71 | 4.65 | 4.59 | 4.54 | 4.48 | 4.43 | 4.37 | 4.31 |
| PT | 2 | 153 | 4.26 | 4.20 | 4.14 | 4.09 | 4.03 | 3.98 | 3.92 | 3.86 | 3.81 | 3.75 |
| PT | 2 | 163 | 3.69 | 3.64 | 3.58 | 3.53 | 3.47 | 3.41 | 3.36 | 3.30 | 3.24 | 3.19 |
| PT | 2 | 173 | 3.13 | 3.08 | 3.02 | 2.96 | 2.91 | 2.85 | 2.79 | 2.74 | 2.68 | 2.62 |
| PT | 2 | 183 | 2.57 | 2.51 | 2.46 | 2.40 | 2.34 | 2.29 | 2.23 | 2.18 | 2.12 | 2.06 |
| PT | 2 | 193 | 2.01 | 1.95 | 1.89 | 1.84 | 1.78 | 1.72 | 1.67 | 1.61 | 1.56 | 1.50 |
| EP | 5 | 280 | 4.97 | 4.95 | 4.92 | 4.90 | 4.87 | 4.85 | 4.82 | 4.80 | 4.77 | 4.75 |
| EP | 5 | 290 | 4.72 | 4.70 | 4.67 | 4.65 | 4.62 | 4.60 | 4.57 | 4.55 | 4.52 | 4.50 |
| EP | 5 | 300 | 4.47 | 4.44 | 4.42 | 4.39 | 4.37 | 4.34 | 4.32 | 4.29 | 4.27 | 4.24 |
| EP | 5 | 310 | 4.22 | 4.19 | 4.17 | 4.14 | 4.12 | 4.09 | 4.07 | 4.04 | 4.02 | 3.99 |
| EP | 5 | 320 | 3.97 | 3.94 | 3.92 | 3.89 | 3.86 | 3.84 | 3.81 | 3.79 | 3.76 | 3.74 |
| EP | 5 | 330 | 3.71 | 3.69 | 3.66 | 3.64 | 3.61 | 3.59 | 3.56 | 3.54 | 3.51 | 3.49 |
| EP | 5 | 340 | 3.46 | 3.44 | 3.41 | 3.39 | 3.36 | 3.33 | 3.31 | 3.28 | 3.26 | 3.23 |
| EP | 5 | 350 | 3.21 | 3.18 | 3.16 | 3.13 | 3.11 | 3.08 | 3.06 | 3.03 | 3.01 | 2.98 |
| EP | 5 | 360 | 2.96 | 2.93 | 2.91 | 2.88 | 2.86 | 2.83 | 2.81 | 2.78 | 2.75 | 2.73 |
| EP | 5 | 370 | 2.70 | 2.68 | 2.65 | 2.63 | 2.60 | 2.58 | 2.55 | 2.53 | 2.50 | 2.48 |
| EP | 5 | 380 | 2.45 | 2.43 | 2.40 | 2.38 | 2.35 | 2.33 | 2.30 | 2.28 | 2.25 | |
| AC | 7 | 487 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 497 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 507 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 517 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 527 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 7 | 537 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 547 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| AC | 7 | 557 | 22.00 | 22.00 | 22.00 | 22.00 | | | | | | |

INTERMEDIATE REPORT
Temperature
deg C

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 11 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 21 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 31 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 41 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 51 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 61 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 71 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 81 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 91 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 101 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 111 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P6 | 1 | 121 | 20.00 | 20.00 | | | | | | | | |
| P5 | 3 | 203 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P5 | 3 | 213 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P5 | 3 | 223 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P5 | 3 | 233 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | | |
| P4 | 4 | 240 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P4 | 4 | 250 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P4 | 4 | 260 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P4 | 4 | 270 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 389 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 399 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 409 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 419 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 429 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 439 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 449 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 459 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 469 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P3 | 6 | 479 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | |
| P2 | 8 | 561 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P2 | 8 | 571 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P2 | 8 | 581 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P2 | 8 | 591 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P2 | 8 | 601 | 20.00 | 20.00 | 20.00 | | | | | | | |
| P1 | 9 | 604 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 614 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 624 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 634 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 644 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 654 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| P1 | 9 | 664 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | | | | |
| PT | 2 | 123 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 133 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 143 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 153 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 163 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 173 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 183 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| PT | 2 | 193 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 280 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 290 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 300 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 310 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 320 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 330 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 340 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 350 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 360 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 370 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| EP | 5 | 380 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | |
| AC | 7 | 487 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 497 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 7 | 507 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 517 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 527 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 537 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 547 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| AC | 7 | 557 | 20.00 | 20.00 | 20.00 | 20.00 | | | | | | |

INTERMEDIATE REPORT
Salinity
ppt

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P6 | 1 | 121 | 0.00 | 0.00 | | | | | | | | |
| P5 | 3 | 203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 213 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 223 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P5 | 3 | 233 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| P4 | 4 | 240 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 250 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 260 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P4 | 4 | 270 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 389 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 399 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 409 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 419 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 429 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 439 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 449 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 459 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 469 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P3 | 6 | 479 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| P2 | 8 | 561 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 571 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 581 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 591 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P2 | 8 | 601 | 0.00 | 0.00 | 0.00 | | | | | | | |
| P1 | 9 | 604 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 614 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 624 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 634 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 644 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 654 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P1 | 9 | 664 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| PT | 2 | 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 133 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 173 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 183 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PT | 2 | 193 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 280 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 290 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 300 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 310 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 320 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 330 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 340 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 350 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 360 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EP | 5 | 370 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 380 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| AC | 7 | 487 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 497 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 507 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 517 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 527 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 537 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 547 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AC | 7 | 557 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

INTERMEDIATE REPORT
River Distance
km

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. | 40. |
| P6 | 1 | 11 | 40. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. | 39. |
| P6 | 1 | 21 | 39. | 38. | 38. | 38. | 38. | 38. | 38. | 38. | 38. | 38. |
| P6 | 1 | 31 | 38. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. | 37. |
| P6 | 1 | 41 | 37. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. |
| P6 | 1 | 51 | 36. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. |
| P6 | 1 | 61 | 35. | 34. | 34. | 34. | 34. | 34. | 34. | 34. | 34. | 34. |
| P6 | 1 | 71 | 34. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. |
| P6 | 1 | 81 | 33. | 32. | 32. | 32. | 32. | 32. | 32. | 32. | 32. | 32. |
| P6 | 1 | 91 | 32. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. | 31. |
| P6 | 1 | 101 | 31. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. |
| P6 | 1 | 111 | 30. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. | 29. |
| P6 | 1 | 121 | 29. | 28. | | | | | | | | |
| P5 | 3 | 203 | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 28. | 27. | 27. |
| P5 | 3 | 213 | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 27. | 26. | 26. |
| P5 | 3 | 223 | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 26. | 25. | 25. |
| P5 | 3 | 233 | 25. | 25. | 25. | 25. | 25. | 25. | 25. | | | |
| P4 | 4 | 240 | 25. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. | 24. |
| P4 | 4 | 250 | 24. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. |
| P4 | 4 | 260 | 23. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. | 22. |
| P4 | 4 | 270 | 22. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. |
| P3 | 6 | 389 | 21. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. | 20. |
| P3 | 6 | 399 | 20. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. | 19. |
| P3 | 6 | 409 | 19. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. |
| P3 | 6 | 419 | 18. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. |
| P3 | 6 | 429 | 17. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. |
| P3 | 6 | 439 | 16. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. |
| P3 | 6 | 449 | 15. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. | 14. |
| P3 | 6 | 459 | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. |
| P3 | 6 | 469 | 13. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. |
| P3 | 6 | 479 | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. | | |
| P2 | 8 | 561 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| P2 | 8 | 571 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| P2 | 8 | 581 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| P2 | 8 | 591 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| P2 | 8 | 601 | 7. | 7. | 7. | | | | | | | |
| P1 | 9 | 604 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| P1 | 9 | 614 | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| P1 | 9 | 624 | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| P1 | 9 | 634 | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| P1 | 9 | 644 | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| P1 | 9 | 654 | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 664 | 1. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 8. | 8. | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. |
| PT | 2 | 133 | 7. | 7. | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. |
| PT | 2 | 143 | 6. | 6. | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. |
| PT | 2 | 153 | 5. | 5. | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. |
| PT | 2 | 163 | 4. | 4. | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. |
| PT | 2 | 173 | 3. | 3. | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. |
| PT | 2 | 183 | 2. | 2. | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. |
| PT | 2 | 193 | 1. | 1. | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| EP | 5 | 290 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| EP | 5 | 300 | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| EP | 5 | 310 | 8. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| EP | 5 | 320 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| EP | 5 | 330 | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| EP | 5 | 340 | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 350 | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| EP | 5 | 360 | 3. | 3. | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 370 | 2. | 2. | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| EP | 5 | 380 | 1. | 1. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 7. | 6. |
| AC | 7 | 497 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 5. |
| AC | 7 | 507 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 4. |
| AC | 7 | 517 | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 3. |
| AC | 7 | 527 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 2. |
| AC | 7 | 537 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 1. |
| AC | 7 | 547 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Flow
$m^3/s$

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 213 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 223 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 399 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 409 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 419 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 429 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 439 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 449 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 |
| P3 | 6 | 459 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 469 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 |
| P3 | 6 | 479 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | | |
| P2 | 8 | 561 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 8 | 571 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 8 | 581 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 8 | 591 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P2 | 8 | 601 | 0.6 | 0.6 | 0.6 | | | | | | | |
| P1 | 9 | 604 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 614 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 624 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 634 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 644 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 654 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P1 | 9 | 664 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Dispersion
$m^2/s$

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 223 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P5 | 3 | 233 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 399 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 409 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 419 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 429 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 439 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 449 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 459 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 469 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 479 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| P2 | 8 | 561 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 571 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 581 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 591 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| P2 | 8 | 601 | 25.0 | 25.0 | 25.0 | | | | | | | |
| P1 | 9 | 604 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 614 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 624 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 634 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 644 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 654 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| P1 | 9 | 664 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | | | | |
| PT | 2 | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 133 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 143 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 163 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 173 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 183 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 2 | 193 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Depth
m

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 11 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 21 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 31 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 41 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 51 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 61 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 71 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 81 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 91 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 101 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 111 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P6 | 1 | 121 | 0.5 | 0.5 | | | | | | | | |
| P5 | 3 | 203 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 213 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 223 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P5 | 3 | 233 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | |
| P4 | 4 | 240 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 250 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P4 | 4 | 260 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P4 | 4 | 270 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 389 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 399 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 409 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 419 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 429 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P3 | 6 | 439 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 449 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 459 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 469 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| P3 | 6 | 479 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | |
| P2 | 8 | 561 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 571 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 581 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 591 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P2 | 8 | 601 | 0.5 | 0.5 | 0.5 | | | | | | | |
| P1 | 9 | 604 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 614 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 624 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 634 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 644 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 654 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| P1 | 9 | 664 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | | | | |
| PT | 2 | 123 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 133 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 143 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 153 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 163 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 173 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 183 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 290 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 300 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 310 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 320 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 330 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 340 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 350 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 360 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 370 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| EP | 5 | 380 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | |
| AC | 7 | 487 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 497 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 507 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 517 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 527 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 537 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 547 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| AC | 7 | 557 | 0.4 | 0.4 | 0.4 | 0.4 | | | | | | |

INTERMEDIATE REPORT
Width
m

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 11 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 21 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 31 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 41 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 51 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 61 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 71 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 81 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 91 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 101 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 111 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| P6 | 1 | 121 | 2.7 | 2.7 | | | | | | | | |
| P5 | 3 | 203 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 213 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 223 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| P5 | 3 | 233 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | | | |
| P4 | 4 | 240 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 250 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 260 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P4 | 4 | 270 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| P3 | 6 | 389 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 399 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 409 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 419 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 429 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 439 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 449 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 459 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 469 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| P3 | 6 | 479 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | | |
| P2 | 8 | 561 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 571 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 581 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 591 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| P2 | 8 | 601 | 18.3 | 18.3 | 18.3 | | | | | | | |
| P1 | 9 | 604 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 614 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 624 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 634 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 644 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 654 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| P1 | 9 | 664 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | | | | |
| PT | 2 | 123 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 133 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 143 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 153 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 163 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 173 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 183 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| PT | 2 | 193 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| EP | 5 | 280 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 290 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 300 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 310 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 320 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 330 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 340 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 350 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 360 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 370 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| EP | 5 | 380 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | |
| AC | 7 | 487 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 497 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 507 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 517 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 527 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 537 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 547 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| AC | 7 | 557 | 5.2 | 5.2 | 5.2 | 5.2 | | | | | | |

INTERMEDIATE REPORT
Advective Velocity
m/s

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 213 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 223 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 399 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 409 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 419 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P3 | 6 | 429 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| P3 | 6 | 439 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| P3 | 6 | 449 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P3 | 6 | 459 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P3 | 6 | 469 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| P3 | 6 | 479 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | | |
| P2 | 8 | 561 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 571 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 581 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 591 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 601 | 0.1 | 0.1 | 0.1 | | | | | | | |
| P1 | 9 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PT | 2 | 123 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 133 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 143 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 153 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 163 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 173 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 183 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Mean Velocity
m/s

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 111 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P6 | 1 | 121 | 0.0 | 0.0 | | | | | | | | |
| P5 | 3 | 203 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 213 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 223 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P5 | 3 | 233 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | |
| P4 | 4 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 250 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 260 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P4 | 4 | 270 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P3 | 6 | 389 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| P3 | 6 | 399 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 409 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 419 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P3 | 6 | 429 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| P3 | 6 | 439 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| P3 | 6 | 449 | 0.8 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| P3 | 6 | 459 | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| P3 | 6 | 469 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| P3 | 6 | 479 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | | |
| P2 | 8 | 561 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 571 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 581 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 591 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| P2 | 8 | 601 | 0.1 | 0.1 | 0.1 | | | | | | | |
| P1 | 9 | 604 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 614 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 624 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 634 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 9 | 644 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 654 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| P1 | 9 | 664 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| PT | 2 | 123 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 133 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 143 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 153 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 163 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 173 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 183 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 290 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 310 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 320 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 330 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 340 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 350 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 360 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 370 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EP | 5 | 380 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AC | 7 | 487 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 497 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 517 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 527 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 537 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 547 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC | 7 | 557 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |

INTERMEDIATE REPORT
Cross-Sectional Area
$m^2$

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 11 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 21 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 31 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 41 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 51 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 61 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 71 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 81 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 91 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 101 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 111 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| P6 | 1 | 121 | 1.3 | 1.3 | | | | | | | | |
| P5 | 3 | 203 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P5 | 3 | 213 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P5 | 3 | 223 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| P5 | 3 | 233 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | | | |
| P4 | 4 | 240 | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| P4 | 4 | 250 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| P4 | 4 | 260 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| P4 | 4 | 270 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| P3 | 6 | 389 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 399 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| P3 | 6 | 409 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 419 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 429 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 439 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 449 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 459 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 469 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| P3 | 6 | 479 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| P2 | 8 | 561 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| P2 | 8 | 571 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| P2 | 8 | 581 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| P2 | 8 | 591 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| P2 | 8 | 601 | 9.1 | 9.1 | 9.1 | | | | | | | |
| P1 | 9 | 604 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | 9 | 614 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| P1 | 9 | 624 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| P1 | 9 | 634 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| P1 | 9 | 644 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| P1 | 9 | 654 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| P1 | 9 | 664 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | | | | |
| PT | 2 | 123 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 133 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 143 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 153 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 163 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 173 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 183 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| PT | 2 | 193 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| EP | 5 | 280 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 290 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 300 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 310 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 320 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 330 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 340 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 350 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 360 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 370 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| EP | 5 | 380 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | |
| AC | 7 | 487 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 497 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 507 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 517 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 527 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 537 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 547 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| AC | 7 | 557 | 2.2 | 2.2 | 2.2 | 2.2 | | | | | | |

INTERMEDIATE REPORT
Reaeration Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 |
| P6 | 1 | 11 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 | 2.161 |
| P6 | 1 | 21 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 |
| P6 | 1 | 31 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 | 2.162 |
| P6 | 1 | 41 | 2.162 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 |
| P6 | 1 | 51 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 |
| P6 | 1 | 61 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 |
| P6 | 1 | 71 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 | 2.176 |
| P6 | 1 | 81 | 2.176 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 | 2.191 |
| P6 | 1 | 91 | 2.191 | 2.191 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 |
| P6 | 1 | 101 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 |
| P6 | 1 | 111 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 | 2.204 |
| P6 | 1 | 121 | 2.204 | 2.204 | | | | | | | | |
| P5 | 3 | 203 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P5 | 3 | 213 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P5 | 3 | 223 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P5 | 3 | 233 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 9.124 | | | |
| P4 | 4 | 240 | 2.283 | 2.287 | 2.292 | 2.296 | 2.300 | 2.304 | 2.309 | 2.313 | 2.317 | 2.321 |
| P4 | 4 | 250 | 2.326 | 2.330 | 2.334 | 2.338 | 2.343 | 2.347 | 2.351 | 2.356 | 2.360 | 2.364 |
| P4 | 4 | 260 | 2.369 | 2.373 | 2.377 | 2.382 | 2.386 | 2.390 | 2.395 | 2.399 | 2.403 | 2.408 |
| P4 | 4 | 270 | 2.412 | 2.416 | 2.421 | 2.425 | 2.429 | 2.434 | 2.438 | 2.452 | 2.457 | 2.461 |
| P3 | 6 | 389 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 399 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 409 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 419 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 429 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 439 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 449 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 459 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 469 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| P3 | 6 | 479 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | | |
| P2 | 8 | 561 | 1.411 | 1.411 | 1.411 | 1.411 | 1.411 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |
| P2 | 8 | 571 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |
| P2 | 8 | 581 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2 | 8 | 591 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 | 1.410 |
| P2 | 8 | 601 | 1.410 | 1.410 | 1.409 | | | | | | | |
| P1 | 9 | 604 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.447 | 0.446 |
| P1 | 9 | 614 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 624 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 634 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 644 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 654 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 |
| P1 | 9 | 664 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | 0.446 | | | | |
| PT | 2 | 123 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 133 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 143 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 153 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 163 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 173 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 183 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| PT | 2 | 193 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 |
| EP | 5 | 280 | 2.467 | 2.468 | 2.469 | 2.470 | 2.471 | 2.472 | 2.473 | 2.474 | 2.475 | 2.476 |
| EP | 5 | 290 | 2.477 | 2.478 | 2.479 | 2.480 | 2.481 | 2.483 | 2.484 | 2.485 | 2.486 | 2.487 |
| EP | 5 | 300 | 2.488 | 2.489 | 2.499 | 2.500 | 2.501 | 2.502 | 2.503 | 2.504 | 2.505 | 2.506 |
| EP | 5 | 310 | 2.507 | 2.508 | 2.509 | 2.510 | 2.511 | 2.513 | 2.514 | 2.515 | 2.516 | 2.522 |
| EP | 5 | 320 | 2.523 | 2.524 | 2.525 | 2.526 | 2.528 | 2.529 | 2.530 | 2.531 | 2.532 | 2.533 |
| EP | 5 | 330 | 2.534 | 2.535 | 2.536 | 2.538 | 2.539 | 2.540 | 2.541 | 2.542 | 2.543 | 2.544 |
| EP | 5 | 340 | 2.548 | 2.549 | 2.551 | 2.552 | 2.553 | 2.554 | 2.555 | 2.556 | 2.557 | 2.558 |
| EP | 5 | 350 | 2.559 | 2.560 | 2.561 | 2.563 | 2.564 | 2.565 | 2.566 | 2.567 | 2.604 | 2.605 |
| EP | 5 | 360 | 2.606 | 2.607 | 2.608 | 2.610 | 2.611 | 2.612 | 2.613 | 2.614 | 2.615 | 2.616 |
| EP | 5 | 370 | 2.617 | 2.618 | 2.620 | 2.621 | 2.622 | 2.623 | 2.624 | 2.625 | 2.626 | 2.627 |
| EP | 5 | 380 | 2.628 | 2.630 | 2.631 | 2.632 | 2.633 | 2.634 | 2.635 | 2.636 | 2.637 | |
| AC | 7 | 487 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 497 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 507 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 517 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 527 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 |
| AC | 7 | 537 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.977 | 1.979 |
| AC | 7 | 547 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 | 1.979 |
| AC | 7 | 557 | 1.979 | 1.979 | 1.979 | 1.979 | | | | | | |

INTERMEDIATE REPORT
BOD1 Decay Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
BOD1 Settling Rate
m/d

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Ammonia Nitrogen Decay Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |
| P2 | 8 | 561 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 571 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 581 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 591 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P2 | 8 | 601 | 0. | 0. | 0. | | | | | | | |
| P1 | 9 | 604 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 614 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 624 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 634 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 644 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 654 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P1 | 9 | 664 | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 290 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 300 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 310 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 320 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 330 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 340 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 350 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 360 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 370 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 380 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

INTERMEDIATE REPORT
Sediment Oxygen Demand
g/m²/d

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

| ID | RCH | ELEM | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P6 | 1 | 1 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 51 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 61 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 71 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 81 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 91 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 101 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 111 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P6 | 1 | 121 | 0. | 0. | | | | | | | | |
| P5 | 3 | 203 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 213 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 223 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P5 | 3 | 233 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | | |
| P4 | 4 | 240 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 250 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 260 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P4 | 4 | 270 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 389 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| P3 | 6 | 399 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 409 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 419 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 429 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 439 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 449 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 459 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 469 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| P3 | 6 | 479 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | |
| P2 | 8 | 561 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 571 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 581 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 591 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P2 | 8 | 601 | 1. | 1. | 1. | | | | | | | |
| P1 | 9 | 604 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 614 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 624 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 634 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 644 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 654 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| P1 | 9 | 664 | 1. | 1. | 1. | 1. | 1. | 1. | | | | |
| PT | 2 | 123 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 133 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 143 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 153 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 163 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 173 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 183 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| PT | 2 | 193 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| EP | 5 | 280 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 290 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 300 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 310 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 320 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 330 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 340 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 350 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 360 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 370 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| EP | 5 | 380 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | |
| AC | 7 | 487 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 497 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 507 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 517 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 527 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 537 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 547 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| AC | 7 | 557 | 0. | 0. | 0. | 0. | | | | | | |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | HDWTR | 0.028 | 20.00 | 0.0 | 6.85 | 15.84 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 0.00 | 0.00 | 1.5 | | | | | | | | | | | | | |
| 1 | P6 | 1 | 40.50 | 0.028 | 20.00 | 0.0 | 7.04 | 15.80 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 2 | P6 | 1 | 40.40 | 0.028 | 20.00 | 0.0 | 7.22 | 15.75 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 3 | P6 | 1 | 40.30 | 0.028 | 20.00 | 0.0 | 7.38 | 15.71 | 0.00 | 1.28 | 0.29 | 0.08 | 1.65 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 4 | P6 | 1 | 40.20 | 0.028 | 20.00 | 0.0 | 7.52 | 15.67 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 5 | P6 | 1 | 40.10 | 0.028 | 20.00 | 0.0 | 7.65 | 15.63 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 6 | P6 | 1 | 40.00 | 0.028 | 20.00 | 0.0 | 7.76 | 15.58 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 7 | P6 | 1 | 39.90 | 0.028 | 20.00 | 0.0 | 7.87 | 15.54 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 8 | P6 | 1 | 39.80 | 0.028 | 20.00 | 0.0 | 7.96 | 15.50 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 9 | P6 | 1 | 39.70 | 0.028 | 20.00 | 0.0 | 8.05 | 15.46 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 10 | P6 | 1 | 39.60 | 0.028 | 20.00 | 0.0 | 8.12 | 15.41 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 11 | P6 | 1 | 39.50 | 0.028 | 20.00 | 0.0 | 8.19 | 15.37 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 12 | P6 | 1 | 39.40 | 0.028 | 20.00 | 0.0 | 8.25 | 15.33 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 13 | P6 | 1 | 39.30 | 0.028 | 20.00 | 0.0 | 8.31 | 15.29 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 14 | P6 | 1 | 39.20 | 0.028 | 20.00 | 0.0 | 8.36 | 15.25 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 15 | P6 | 1 | 39.10 | 0.028 | 20.00 | 0.0 | 8.41 | 15.20 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 16 | P6 | 1 | 39.00 | 0.028 | 20.00 | 0.0 | 8.45 | 15.16 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 17 | P6 | 1 | 38.90 | 0.028 | 20.00 | 0.0 | 8.48 | 15.12 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 18 | P6 | 1 | 38.80 | 0.028 | 20.00 | 0.0 | 8.52 | 15.08 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 19 | P6 | 1 | 38.70 | 0.028 | 20.00 | 0.0 | 8.55 | 15.04 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | P6 | 1 | 38.60 | 0.028 | 20.00 | 0.0 | 8.58 | 15.00 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.161 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| | | WASTELOAD # 021 (LA0122424) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | P6 | 1 | 38.50 | 0.028 | 20.00 | 0.0 | 8.59 | 14.93 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 22 | P6 | 1 | 38.40 | 0.028 | 20.00 | 0.0 | 8.61 | 14.89 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 23 | P6 | 1 | 38.30 | 0.028 | 20.00 | 0.0 | 8.63 | 14.85 | 0.00 | 1.26 | 0.26 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 24 | P6 | 1 | 38.20 | 0.028 | 20.00 | 0.0 | 8.65 | 14.81 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 25 | P6 | 1 | 38.10 | 0.028 | 20.00 | 0.0 | 8.67 | 14.77 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 26 | P6 | 1 | 38.00 | 0.028 | 20.00 | 0.0 | 8.69 | 14.73 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 27 | P6 | 1 | 37.90 | 0.028 | 20.00 | 0.0 | 8.70 | 14.69 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 28 | P6 | 1 | 37.80 | 0.028 | 20.00 | 0.0 | 8.72 | 14.65 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 29 | P6 | 1 | 37.70 | 0.028 | 20.00 | 0.0 | 8.73 | 14.61 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 30 | P6 | 1 | 37.60 | 0.028 | 20.00 | 0.0 | 8.74 | 14.57 | 0.00 | 1.26 | 0.24 | 0.13 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 31 | P6 | 1 | 37.50 | 0.028 | 20.00 | 0.0 | 8.75 | 14.53 | 0.00 | 1.26 | 0.24 | 0.13 | 1.63 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 32 | P6 | 1 | 37.40 | 0.028 | 20.00 | 0.0 | 8.76 | 14.48 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 33 | P6 | 1 | 37.30 | 0.028 | 20.00 | 0.0 | 8.77 | 14.44 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 34 | P6 | 1 | 37.20 | 0.028 | 20.00 | 0.0 | 8.77 | 14.40 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 35 | P6 | 1 | 37.10 | 0.028 | 20.00 | 0.0 | 8.78 | 14.36 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 36 | P6 | 1 | 37.00 | 0.028 | 20.00 | 0.0 | 8.79 | 14.32 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 37 | P6 | 1 | 36.90 | 0.028 | 20.00 | 0.0 | 8.79 | 14.28 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 38 | P6 | 1 | 36.80 | 0.028 | 20.00 | 0.0 | 8.80 | 14.25 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 39 | P6 | 1 | 36.70 | 0.028 | 20.00 | 0.0 | 8.80 | 14.21 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 40 | P6 | 1 | 36.60 | 0.028 | 20.00 | 0.0 | 8.81 | 14.17 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 41 | P6 | 1 | 36.50 | 0.028 | 20.00 | 0.0 | 8.81 | 14.13 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.162 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| | | WASTELOAD # 042 (Grp1-Rch1) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | P6 | 1 | 36.40 | 0.030 | 20.00 | 0.0 | 8.55 | 16.41 | 0.00 | 1.41 | 0.63 | 0.22 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 43 | P6 | 1 | 36.30 | 0.030 | 20.00 | 0.0 | 8.56 | 16.37 | 0.00 | 1.41 | 0.63 | 0.22 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 44 | P6 | 1 | 36.20 | 0.030 | 20.00 | 0.0 | 8.57 | 16.32 | 0.00 | 1.41 | 0.62 | 0.23 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 45 | P6 | 1 | 36.10 | 0.030 | 20.00 | 0.0 | 8.58 | 16.28 | 0.00 | 1.41 | 0.62 | 0.23 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 46 | P6 | 1 | 36.00 | 0.030 | 20.00 | 0.0 | 8.59 | 16.23 | 0.00 | 1.41 | 0.62 | 0.24 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 47 | P6 | 1 | 35.90 | 0.030 | 20.00 | 0.0 | 8.60 | 16.19 | 0.00 | 1.41 | 0.61 | 0.24 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 48 | P6 | 1 | 35.80 | 0.030 | 20.00 | 0.0 | 8.61 | 16.14 | 0.00 | 1.40 | 0.61 | 0.24 | 2.26 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 49 | P6 | 1 | 35.70 | 0.030 | 20.00 | 0.0 | 8.62 | 16.10 | 0.00 | 1.40 | 0.60 | 0.25 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 50 | P6 | 1 | 35.60 | 0.030 | 20.00 | 0.0 | 8.62 | 16.05 | 0.00 | 1.40 | 0.60 | 0.25 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 51 | P6 | 1 | 35.50 | 0.030 | 20.00 | 0.0 | 8.63 | 16.01 | 0.00 | 1.40 | 0.59 | 0.26 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 52 | P6 | 1 | 35.40 | 0.030 | 20.00 | 0.0 | 8.64 | 15.97 | 0.00 | 1.40 | 0.59 | 0.26 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 53 | P6 | 1 | 35.30 | 0.030 | 20.00 | 0.0 | 8.64 | 15.92 | 0.00 | 1.40 | 0.58 | 0.26 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 54 | P6 | 1 | 35.20 | 0.030 | 20.00 | 0.0 | 8.65 | 15.88 | 0.00 | 1.40 | 0.58 | 0.27 | 2.25 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 55 | P6 | 1 | 35.10 | 0.030 | 20.00 | 0.0 | 8.65 | 15.83 | 0.00 | 1.40 | 0.57 | 0.27 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 56 | P6 | 1 | 35.00 | 0.030 | 20.00 | 0.0 | 8.66 | 15.79 | 0.00 | 1.40 | 0.57 | 0.27 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 57 | P6 | 1 | 34.90 | 0.030 | 20.00 | 0.0 | 8.66 | 15.74 | 0.00 | 1.40 | 0.57 | 0.28 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 58 | P6 | 1 | 34.80 | 0.030 | 20.00 | 0.0 | 8.67 | 15.70 | 0.00 | 1.40 | 0.56 | 0.28 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 59 | P6 | 1 | 34.70 | 0.030 | 20.00 | 0.0 | 8.67 | 15.66 | 0.00 | 1.40 | 0.56 | 0.28 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 60 | P6 | 1 | 34.60 | 0.030 | 20.00 | 0.0 | 8.68 | 15.61 | 0.00 | 1.40 | 0.55 | 0.29 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 61 | P6 | 1 | 34.50 | 0.030 | 20.00 | 0.0 | 8.68 | 15.57 | 0.00 | 1.40 | 0.55 | 0.29 | 2.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 62 | P6 | 1 | 34.40 | 0.030 | 20.00 | 0.0 | 8.68 | 15.52 | 0.00 | 1.39 | 0.54 | 0.29 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 63 | P6 | 1 | 34.30 | 0.030 | 20.00 | 0.0 | 8.69 | 15.48 | 0.00 | 1.39 | 0.54 | 0.30 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 64 | P6 | 1 | 34.20 | 0.030 | 20.00 | 0.0 | 8.69 | 15.44 | 0.00 | 1.39 | 0.54 | 0.30 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 65 | P6 | 1 | 34.10 | 0.030 | 20.00 | 0.0 | 8.69 | 15.39 | 0.00 | 1.39 | 0.53 | 0.30 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 66 | P6 | 1 | 34.00 | 0.030 | 20.00 | 0.0 | 8.70 | 15.35 | 0.00 | 1.39 | 0.53 | 0.31 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 67 | P6 | 1 | 33.90 | 0.030 | 20.00 | 0.0 | 8.70 | 15.31 | 0.00 | 1.39 | 0.52 | 0.31 | 2.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 68 | P6 | 1 | 33.80 | 0.030 | 20.00 | 0.0 | 8.70 | 15.26 | 0.00 | 1.39 | 0.52 | 0.31 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 69 | P6 | 1 | 33.70 | 0.030 | 20.00 | 0.0 | 8.71 | 15.22 | 0.00 | 1.39 | 0.52 | 0.32 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 70 | P6 | 1 | 33.60 | 0.030 | 20.00 | 0.0 | 8.71 | 15.18 | 0.00 | 1.39 | 0.51 | 0.32 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 71 | P6 | 1 | 33.50 | 0.030 | 20.00 | 0.0 | 8.71 | 15.13 | 0.00 | 1.39 | 0.51 | 0.32 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | P6 | 1 | 33.40 | 0.030 | 20.00 | 0.0 | 8.71 | 15.09 | 0.00 | 1.39 | 0.50 | 0.32 | 2.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 73 | P6 | 1 | 33.30 | 0.030 | 20.00 | 0.0 | 8.72 | 15.05 | 0.00 | 1.39 | 0.50 | 0.33 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 74 | P6 | 1 | 33.20 | 0.030 | 20.00 | 0.0 | 8.72 | 15.00 | 0.00 | 1.39 | 0.50 | 0.33 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 75 | P6 | 1 | 33.10 | 0.030 | 20.00 | 0.0 | 8.72 | 14.96 | 0.00 | 1.39 | 0.49 | 0.33 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 76 | P6 | 1 | 33.00 | 0.030 | 20.00 | 0.0 | 8.72 | 14.92 | 0.00 | 1.39 | 0.49 | 0.33 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 77 | P6 | 1 | 32.90 | 0.030 | 20.00 | 0.0 | 8.73 | 14.88 | 0.00 | 1.38 | 0.49 | 0.34 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 78 | P6 | 1 | 32.80 | 0.030 | 20.00 | 0.0 | 8.73 | 14.83 | 0.00 | 1.38 | 0.48 | 0.34 | 2.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 79 | P6 | 1 | 32.70 | 0.030 | 20.00 | 0.0 | 8.73 | 14.79 | 0.00 | 1.38 | 0.48 | 0.34 | 2.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 80 | P6 | 1 | 32.60 | 0.030 | 20.00 | 0.0 | 8.73 | 14.75 | 0.00 | 1.38 | 0.48 | 0.34 | 2.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 81 | P6 | 1 | 32.50 | 0.030 | 20.00 | 0.0 | 8.73 | 14.71 | 0.00 | 1.38 | 0.47 | 0.35 | 2.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.023 | 0.023 | 9.092 | 2.176 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| | | WASTELOAD # 082 (LAG541777) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | P6 | 1 | 32.40 | 0.031 | 20.00 | 0.0 | 8.48 | 16.88 | 0.00 | 1.53 | 0.85 | 0.42 | 2.80 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 83 | P6 | 1 | 32.30 | 0.031 | 20.00 | 0.0 | 8.49 | 16.83 | 0.00 | 1.53 | 0.84 | 0.42 | 2.80 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 84 | P6 | 1 | 32.20 | 0.031 | 20.00 | 0.0 | 8.50 | 16.78 | 0.00 | 1.53 | 0.84 | 0.43 | 2.79 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | P6 | 1 | 32.10 | 0.031 | 20.00 | 0.0 | 8.51 | 16.73 | 0.00 | 1.53 | 0.83 | 0.43 | 2.79 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 86 | P6 | 1 | 32.00 | 0.031 | 20.00 | 0.0 | 8.52 | 16.69 | 0.00 | 1.53 | 0.83 | 0.44 | 2.79 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 87 | P6 | 1 | 31.90 | 0.031 | 20.00 | 0.0 | 8.53 | 16.64 | 0.00 | 1.53 | 0.82 | 0.44 | 2.79 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 88 | P6 | 1 | 31.80 | 0.031 | 20.00 | 0.0 | 8.54 | 16.59 | 0.00 | 1.53 | 0.81 | 0.44 | 2.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 89 | P6 | 1 | 31.70 | 0.031 | 20.00 | 0.0 | 8.54 | 16.55 | 0.00 | 1.53 | 0.81 | 0.45 | 2.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 90 | P6 | 1 | 31.60 | 0.031 | 20.00 | 0.0 | 8.55 | 16.50 | 0.00 | 1.52 | 0.80 | 0.45 | 2.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 91 | P6 | 1 | 31.50 | 0.031 | 20.00 | 0.0 | 8.56 | 16.45 | 0.00 | 1.52 | 0.79 | 0.46 | 2.78 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 92 | P6 | 1 | 31.40 | 0.031 | 20.00 | 0.0 | 8.56 | 16.41 | 0.00 | 1.52 | 0.79 | 0.46 | 2.77 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.024 | 0.024 | 9.092 | 2.191 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 093 (LAG541118) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | P6 | 1 | 31.30 | 0.032 | 20.00 | 0.0 | 8.36 | 18.09 | 0.00 | 1.64 | 1.08 | 0.52 | 3.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 94 | P6 | 1 | 31.20 | 0.032 | 20.00 | 0.0 | 8.37 | 18.04 | 0.00 | 1.64 | 1.08 | 0.53 | 3.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 95 | P6 | 1 | 31.10 | 0.032 | 20.00 | 0.0 | 8.39 | 17.99 | 0.00 | 1.64 | 1.07 | 0.53 | 3.24 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 96 | P6 | 1 | 31.00 | 0.032 | 20.00 | 0.0 | 8.40 | 17.94 | 0.00 | 1.63 | 1.06 | 0.54 | 3.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 97 | P6 | 1 | 30.90 | 0.032 | 20.00 | 0.0 | 8.41 | 17.89 | 0.00 | 1.63 | 1.05 | 0.54 | 3.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 98 | P6 | 1 | 30.80 | 0.032 | 20.00 | 0.0 | 8.42 | 17.84 | 0.00 | 1.63 | 1.04 | 0.55 | 3.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 99 | P6 | 1 | 30.70 | 0.032 | 20.00 | 0.0 | 8.43 | 17.79 | 0.00 | 1.63 | 1.04 | 0.56 | 3.23 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 100 | P6 | 1 | 30.60 | 0.032 | 20.00 | 0.0 | 8.44 | 17.74 | 0.00 | 1.63 | 1.03 | 0.56 | 3.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 101 | P6 | 1 | 30.50 | 0.032 | 20.00 | 0.0 | 8.44 | 17.70 | 0.00 | 1.63 | 1.02 | 0.57 | 3.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 102 | P6 | 1 | 30.40 | 0.032 | 20.00 | 0.0 | 8.45 | 17.65 | 0.00 | 1.63 | 1.01 | 0.57 | 3.22 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 103 | P6 | 1 | 30.30 | 0.032 | 20.00 | 0.0 | 8.46 | 17.60 | 0.00 | 1.63 | 1.01 | 0.58 | 3.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 104 | P6 | 1 | 30.20 | 0.032 | 20.00 | 0.0 | 8.47 | 17.55 | 0.00 | 1.63 | 1.00 | 0.58 | 3.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 105 | P6 | 1 | 30.10 | 0.032 | 20.00 | 0.0 | 8.47 | 17.50 | 0.00 | 1.63 | 0.99 | 0.59 | 3.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 106 | P6 | 1 | 30.00 | 0.032 | 20.00 | 0.0 | 8.48 | 17.45 | 0.00 | 1.63 | 0.98 | 0.60 | 3.21 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 107 | P6 | 1 | 29.90 | 0.032 | 20.00 | 0.0 | 8.48 | 17.40 | 0.00 | 1.63 | 0.98 | 0.60 | 3.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 108 | P6 | 1 | 29.80 | 0.032 | 20.00 | 0.0 | 8.49 | 17.35 | 0.00 | 1.63 | 0.97 | 0.61 | 3.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 109 | P6 | 1 | 29.70 | 0.032 | 20.00 | 0.0 | 8.50 | 17.30 | 0.00 | 1.63 | 0.96 | 0.61 | 3.20 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 110 | P6 | 1 | 29.60 | 0.032 | 20.00 | 0.0 | 8.50 | 17.25 | 0.00 | 1.62 | 0.95 | 0.62 | 3.19 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 111 | P6 | 1 | 29.50 | 0.032 | 20.00 | 0.0 | 8.51 | 17.20 | 0.00 | 1.62 | 0.95 | 0.62 | 3.19 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 112 | P6 | 1 | 29.40 | 0.032 | 20.00 | 0.0 | 8.51 | 17.15 | 0.00 | 1.62 | 0.94 | 0.63 | 3.19 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 113 | P6 | 1 | 29.30 | 0.032 | 20.00 | 0.0 | 8.52 | 17.10 | 0.00 | 1.62 | 0.93 | 0.63 | 3.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 114 | P6 | 1 | 29.20 | 0.032 | 20.00 | 0.0 | 8.52 | 17.05 | 0.00 | 1.62 | 0.93 | 0.63 | 3.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 115 | P6 | 1 | 29.10 | 0.032 | 20.00 | 0.0 | 8.53 | 17.00 | 0.00 | 1.62 | 0.92 | 0.64 | 3.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 116 | P6 | 1 | 29.00 | 0.032 | 20.00 | 0.0 | 8.53 | 16.96 | 0.00 | 1.62 | 0.91 | 0.64 | 3.18 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 117 | P6 | 1 | 28.90 | 0.032 | 20.00 | 0.0 | 8.53 | 16.91 | 0.00 | 1.62 | 0.91 | 0.65 | 3.17 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 118 | P6 | 1 | 28.80 | 0.032 | 20.00 | 0.0 | 8.54 | 16.86 | 0.00 | 1.62 | 0.90 | 0.65 | 3.17 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 119 | P6 | 1 | 28.70 | 0.032 | 20.00 | 0.0 | 8.54 | 16.81 | 0.00 | 1.62 | 0.89 | 0.66 | 3.17 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 120 | P6 | 1 | 28.60 | 0.032 | 20.00 | 0.0 | 8.55 | 16.76 | 0.00 | 1.62 | 0.89 | 0.66 | 3.16 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 121 | P6 | 1 | 28.50 | 0.032 | 20.00 | 0.0 | 8.55 | 16.71 | 0.00 | 1.62 | 0.88 | 0.66 | 3.16 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 122 | P6 | 1 | 28.40 | 0.032 | 20.00 | 0.0 | 8.55 | 16.66 | 0.00 | 1.62 | 0.87 | 0.67 | 3.16 | 0.00 | 0.00 | 1.5 | 0.0 | 0.46 | 2.7 | 0.025 | 0.025 | 9.092 | 2.204 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| | TRIBUTARY # 123 (Pont. Trib.) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 203 | P5 | 3 | 28.30 | 0.068 | 20.00 | 0.0 | 8.56 | 18.79 | 0.00 | 2.70 | 0.67 | 0.44 | 3.80 | 0.00 | 0.00 | 2.6 | 0.0 | 0.18 | 3.3 | 0.113 | 0.113 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 204 | P5 | 3 | 28.20 | 0.069 | 20.00 | 0.0 | 8.59 | 18.71 | 0.00 | 2.69 | 0.66 | 0.44 | 3.79 | 0.00 | 0.00 | 3.7 | 0.0 | 0.18 | 3.3 | 0.114 | 0.114 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 205 | P5 | 3 | 28.10 | 0.069 | 20.00 | 0.0 | 8.62 | 18.64 | 0.00 | 2.69 | 0.66 | 0.44 | 3.78 | 0.00 | 0.00 | 4.8 | 0.0 | 0.18 | 3.3 | 0.114 | 0.114 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 206 | P5 | 3 | 28.00 | 0.069 | 20.00 | 0.0 | 8.65 | 18.56 | 0.00 | 2.68 | 0.65 | 0.43 | 3.77 | 0.00 | 0.00 | 5.9 | 0.0 | 0.18 | 3.3 | 0.115 | 0.115 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 207 | P5 | 3 | 27.90 | 0.070 | 20.00 | 0.0 | 8.67 | 18.49 | 0.00 | 2.68 | 0.65 | 0.43 | 3.76 | 0.00 | 0.00 | 7.0 | 0.0 | 0.18 | 3.3 | 0.116 | 0.116 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 208 | P5 | 3 | 27.80 | 0.070 | 20.00 | 0.0 | 8.70 | 18.41 | 0.00 | 2.67 | 0.65 | 0.43 | 3.75 | 0.00 | 0.00 | 8.1 | 0.0 | 0.18 | 3.3 | 0.116 | 0.116 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 209 | P5 | 3 | 27.70 | 0.070 | 20.00 | 0.0 | 8.72 | 18.34 | 0.00 | 2.67 | 0.64 | 0.43 | 3.74 | 0.00 | 0.00 | 9.2 | 0.0 | 0.18 | 3.3 | 0.117 | 0.117 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 210 | P5 | 3 | 27.60 | 0.071 | 20.00 | 0.0 | 8.74 | 18.27 | 0.00 | 2.66 | 0.64 | 0.43 | 3.73 | 0.00 | 0.00 | 10.3 | 0.0 | 0.18 | 3.3 | 0.117 | 0.117 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 211 | P5 | 3 | 27.50 | 0.071 | 20.00 | 0.0 | 8.76 | 18.20 | 0.00 | 2.66 | 0.64 | 0.43 | 3.72 | 0.00 | 0.00 | 11.4 | 0.0 | 0.18 | 3.3 | 0.118 | 0.118 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 212 | P5 | 3 | 27.40 | 0.072 | 20.00 | 0.0 | 8.77 | 18.13 | 0.00 | 2.66 | 0.63 | 0.42 | 3.71 | 0.00 | 0.00 | 12.4 | 0.0 | 0.18 | 3.3 | 0.118 | 0.118 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 213 (Grp2-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 213 | P5 | 3 | 27.30 | 0.072 | 20.00 | 0.0 | 8.76 | 18.31 | 0.00 | 2.66 | 0.67 | 0.43 | 3.77 | 0.00 | 0.00 | 13.5 | 0.0 | 0.18 | 3.3 | 0.119 | 0.119 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 214 | P5 | 3 | 27.20 | 0.073 | 20.00 | 0.0 | 8.78 | 18.24 | 0.00 | 2.66 | 0.67 | 0.43 | 3.76 | 0.00 | 0.00 | 14.6 | 0.0 | 0.18 | 3.3 | 0.120 | 0.120 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 215 | P5 | 3 | 27.10 | 0.073 | 20.00 | 0.0 | 8.79 | 18.17 | 0.00 | 2.65 | 0.67 | 0.43 | 3.75 | 0.00 | 0.00 | 15.7 | 0.0 | 0.18 | 3.3 | 0.120 | 0.120 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 216 | P5 | 3 | 27.00 | 0.073 | 20.00 | 0.0 | 8.81 | 18.10 | 0.00 | 2.65 | 0.66 | 0.42 | 3.74 | 0.00 | 0.00 | 16.8 | 0.0 | 0.18 | 3.3 | 0.121 | 0.121 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 217 | P5 | 3 | 26.90 | 0.074 | 20.00 | 0.0 | 8.82 | 18.03 | 0.00 | 2.65 | 0.66 | 0.42 | 3.73 | 0.00 | 0.00 | 17.9 | 0.0 | 0.18 | 3.3 | 0.122 | 0.122 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 218 | P5 | 3 | 26.80 | 0.074 | 20.00 | 0.0 | 8.84 | 17.96 | 0.00 | 2.64 | 0.65 | 0.42 | 3.72 | 0.00 | 0.00 | 19.0 | 0.0 | 0.18 | 3.3 | 0.122 | 0.122 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 219 | P5 | 3 | 26.70 | 0.075 | 20.00 | 0.0 | 8.85 | 17.90 | 0.00 | 2.64 | 0.65 | 0.42 | 3.71 | 0.00 | 0.00 | 20.1 | 0.0 | 0.18 | 3.3 | 0.123 | 0.123 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 220 (Grp3-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | P5 | 3 | 26.60 | 0.075 | 20.00 | 0.0 | 8.84 | 18.10 | 0.00 | 2.65 | 0.69 | 0.42 | 3.76 | 0.00 | 0.00 | 21.2 | 0.0 | 0.18 | 3.3 | 0.124 | 0.124 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 221 | P5 | 3 | 26.50 | 0.076 | 20.00 | 0.0 | 8.85 | 18.03 | 0.00 | 2.64 | 0.69 | 0.42 | 3.75 | 0.00 | 0.00 | 22.3 | 0.0 | 0.18 | 3.3 | 0.124 | 0.124 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 222 | P5 | 3 | 26.40 | 0.076 | 20.00 | 0.0 | 8.86 | 17.96 | 0.00 | 2.64 | 0.68 | 0.42 | 3.74 | 0.00 | 0.00 | 23.4 | 0.0 | 0.18 | 3.3 | 0.125 | 0.125 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 223 | P5 | 3 | 26.30 | 0.076 | 20.00 | 0.0 | 8.87 | 17.90 | 0.00 | 2.63 | 0.68 | 0.42 | 3.73 | 0.00 | 0.00 | 24.5 | 0.0 | 0.18 | 3.3 | 0.125 | 0.125 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 224 | P5 | 3 | 26.20 | 0.077 | 20.00 | 0.0 | 8.88 | 17.84 | 0.00 | 2.63 | 0.68 | 0.42 | 3.72 | 0.00 | 0.00 | 25.6 | 0.0 | 0.18 | 3.3 | 0.126 | 0.126 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 225 | P5 | 3 | 26.10 | 0.077 | 20.00 | 0.0 | 8.90 | 17.77 | 0.00 | 2.63 | 0.67 | 0.42 | 3.71 | 0.00 | 0.00 | 26.7 | 0.0 | 0.18 | 3.3 | 0.126 | 0.126 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 226 | P5 | 3 | 26.00 | 0.078 | 20.00 | 0.0 | 8.91 | 17.71 | 0.00 | 2.62 | 0.67 | 0.41 | 3.70 | 0.00 | 0.00 | 27.8 | 0.0 | 0.18 | 3.3 | 0.127 | 0.127 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 227 | P5 | 3 | 25.90 | 0.078 | 20.00 | 0.0 | 8.92 | 17.65 | 0.00 | 2.62 | 0.67 | 0.41 | 3.70 | 0.00 | 0.00 | 28.9 | 0.0 | 0.18 | 3.3 | 0.127 | 0.127 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 228 (LAG532004) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 228 | P5 | 3 | 25.80 | 0.078 | 20.00 | 0.0 | 8.92 | 17.62 | 0.00 | 2.62 | 0.67 | 0.41 | 3.69 | 0.00 | 0.00 | 30.0 | 0.0 | 0.18 | 3.3 | 0.128 | 0.128 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 229 | P5 | 3 | 25.70 | 0.079 | 20.00 | 0.0 | 8.93 | 17.56 | 0.00 | 2.61 | 0.66 | 0.41 | 3.68 | 0.00 | 0.00 | 31.1 | 0.0 | 0.18 | 3.3 | 0.129 | 0.129 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 230 | P5 | 3 | 25.60 | 0.079 | 20.00 | 0.0 | 8.94 | 17.50 | 0.00 | 2.61 | 0.66 | 0.41 | 3.68 | 0.00 | 0.00 | 32.1 | 0.0 | 0.18 | 3.3 | 0.129 | 0.129 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 231 | P5 | 3 | 25.50 | 0.079 | 20.00 | 0.0 | 8.95 | 17.44 | 0.00 | 2.60 | 0.66 | 0.41 | 3.67 | 0.00 | 0.00 | 33.2 | 0.0 | 0.18 | 3.3 | 0.130 | 0.130 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 232 | P5 | 3 | 25.40 | 0.080 | 20.00 | 0.0 | 8.96 | 17.38 | 0.00 | 2.60 | 0.65 | 0.40 | 3.66 | 0.00 | 0.00 | 34.3 | 0.0 | 0.18 | 3.3 | 0.130 | 0.130 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 233 | P5 | 3 | 25.30 | 0.080 | 20.00 | 0.0 | 8.96 | 17.32 | 0.00 | 2.60 | 0.65 | 0.40 | 3.65 | 0.00 | 0.00 | 35.4 | 0.0 | 0.18 | 3.3 | 0.131 | 0.131 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 234 | P5 | 3 | 25.20 | 0.081 | 20.00 | 0.0 | 8.97 | 17.26 | 0.00 | 2.59 | 0.65 | 0.40 | 3.64 | 0.00 | 0.00 | 36.5 | 0.0 | 0.18 | 3.3 | 0.131 | 0.131 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 235 | P5 | 3 | 25.10 | 0.081 | 20.00 | 0.0 | 8.98 | 17.20 | 0.00 | 2.59 | 0.64 | 0.40 | 3.63 | 0.00 | 0.00 | 37.6 | 0.0 | 0.18 | 3.3 | 0.132 | 0.132 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 236 (Grp4-Rch3) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 236 | P5 | 3 | 25.00 | 0.084 | 20.00 | 0.0 | 8.86 | 18.21 | 0.00 | 2.62 | 0.85 | 0.44 | 3.91 | 0.00 | 0.00 | 38.7 | 0.0 | 0.18 | 3.3 | 0.136 | 0.136 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 237 | P5 | 3 | 24.90 | 0.084 | 20.00 | 0.0 | 8.88 | 18.15 | 0.00 | 2.62 | 0.84 | 0.44 | 3.90 | 0.00 | 0.00 | 39.8 | 0.0 | 0.18 | 3.3 | 0.136 | 0.136 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 238 | P5 | 3 | 24.80 | 0.085 | 20.00 | 0.0 | 8.89 | 18.09 | 0.00 | 2.62 | 0.84 | 0.44 | 3.89 | 0.00 | 0.00 | 40.9 | 0.0 | 0.18 | 3.3 | 0.137 | 0.137 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| | DIVERSION # 239 (YWRC) LEAVES HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 239 | P5 | 3 | 24.70 | 0.031 | 20.00 | 0.0 | 8.90 | 18.03 | 0.00 | 2.61 | 0.83 | 0.44 | 3.88 | 0.00 | 0.00 | 42.0 | 0.0 | 0.16 | 3.3 | 0.057 | 0.057 | 9.092 | 9.124 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.00 |
| 240 | P4 | 4 | 24.60 | 0.032 | 20.00 | 0.0 | 8.94 | 17.87 | 0.00 | 2.60 | 0.82 | 0.43 | 3.86 | 0.00 | 0.00 | 41.0 | 0.0 | 0.44 | 3.1 | 0.023 | 0.023 | 9.092 | 2.283 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 241 | P4 | 4 | 24.50 | 0.032 | 20.00 | 0.0 | 8.97 | 17.71 | 0.00 | 2.59 | 0.81 | 0.43 | 3.83 | 0.00 | 0.00 | 40.0 | 0.0 | 0.44 | 3.1 | 0.024 | 0.024 | 9.092 | 2.287 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 242 | P4 | 4 | 24.40 | 0.032 | 20.00 | 0.0 | 9.00 | 17.55 | 0.00 | 2.58 | 0.79 | 0.43 | 3.80 | 0.00 | 0.00 | 39.0 | 0.0 | 0.44 | 3.1 | 0.024 | 0.024 | 9.092 | 2.292 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 243 | P4 | 4 | 24.30 | 0.033 | 20.00 | 0.0 | 9.02 | 17.40 | 0.00 | 2.57 | 0.78 | 0.42 | 3.78 | 0.00 | 0.00 | 38.0 | 0.0 | 0.44 | 3.1 | 0.024 | 0.024 | 9.092 | 2.296 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 244 | P4 | 4 | 24.20 | 0.033 | 20.00 | 0.0 | 9.04 | 17.25 | 0.00 | 2.57 | 0.77 | 0.42 | 3.75 | 0.00 | 0.00 | 37.0 | 0.0 | 0.44 | 3.1 | 0.024 | 0.024 | 9.092 | 2.300 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 245 | P4 | 4 | 24.10 | 0.033 | 20.00 | 0.0 | 9.05 | 17.10 | 0.00 | 2.56 | 0.76 | 0.41 | 3.73 | 0.00 | 0.00 | 36.0 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.304 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 246 | P4 | 4 | 24.00 | 0.034 | 20.00 | 0.0 | 9.06 | 16.96 | 0.00 | 2.55 | 0.74 | 0.41 | 3.70 | 0.00 | 0.00 | 35.0 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.309 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 247 | P4 | 4 | 23.90 | 0.034 | 20.00 | 0.0 | 9.07 | 16.82 | 0.00 | 2.54 | 0.73 | 0.41 | 3.68 | 0.00 | 0.00 | 34.0 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.313 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 248 | P4 | 4 | 23.80 | 0.034 | 20.00 | 0.0 | 9.08 | 16.68 | 0.00 | 2.53 | 0.72 | 0.40 | 3.65 | 0.00 | 0.00 | 33.1 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.317 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 249 | P4 | 4 | 23.70 | 0.035 | 20.00 | 0.0 | 9.08 | 16.55 | 0.00 | 2.52 | 0.71 | 0.40 | 3.63 | 0.00 | 0.00 | 32.1 | 0.0 | 0.44 | 3.1 | 0.025 | 0.025 | 9.092 | 2.321 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 250 | P4 | 4 | 23.60 | 0.035 | 20.00 | 0.0 | 9.08 | 16.42 | 0.00 | 2.52 | 0.70 | 0.40 | 3.61 | 0.00 | 0.00 | 31.1 | 0.0 | 0.44 | 3.1 | 0.026 | 0.026 | 9.092 | 2.326 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 251 | P4 | 4 | 23.50 | 0.035 | 20.00 | 0.0 | 9.08 | 16.29 | 0.00 | 2.51 | 0.69 | 0.39 | 3.59 | 0.00 | 0.00 | 30.1 | 0.0 | 0.44 | 3.1 | 0.026 | 0.026 | 9.092 | 2.330 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 252 | P4 | 4 | 23.40 | 0.036 | 20.00 | 0.0 | 9.08 | 16.17 | 0.00 | 2.50 | 0.68 | 0.39 | 3.57 | 0.00 | 0.00 | 29.1 | 0.0 | 0.44 | 3.1 | 0.026 | 0.026 | 9.092 | 2.334 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 253 | P4 | 4 | 23.30 | 0.036 | 20.00 | 0.0 | 9.08 | 16.05 | 0.00 | 2.49 | 0.67 | 0.39 | 3.55 | 0.00 | 0.00 | 28.1 | 0.0 | 0.44 | 3.1 | 0.026 | 0.026 | 9.092 | 2.338 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 254 | P4 | 4 | 23.20 | 0.036 | 20.00 | 0.0 | 9.07 | 15.93 | 0.00 | 2.49 | 0.66 | 0.38 | 3.53 | 0.00 | 0.00 | 27.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.343 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 255 | P4 | 4 | 23.10 | 0.037 | 20.00 | 0.0 | 9.07 | 15.81 | 0.00 | 2.48 | 0.65 | 0.38 | 3.51 | 0.00 | 0.00 | 26.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.347 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 256 | P4 | 4 | 23.00 | 0.037 | 20.00 | 0.0 | 9.06 | 15.70 | 0.00 | 2.47 | 0.64 | 0.38 | 3.49 | 0.00 | 0.00 | 25.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.351 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 257 | P4 | 4 | 22.90 | 0.038 | 20.00 | 0.0 | 9.06 | 15.59 | 0.00 | 2.46 | 0.63 | 0.38 | 3.47 | 0.00 | 0.00 | 24.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.356 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 258 | P4 | 4 | 22.80 | 0.038 | 20.00 | 0.0 | 9.05 | 15.48 | 0.00 | 2.46 | 0.62 | 0.37 | 3.45 | 0.00 | 0.00 | 23.1 | 0.0 | 0.45 | 3.1 | 0.027 | 0.027 | 9.092 | 2.360 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 259 | P4 | 4 | 22.70 | 0.038 | 20.00 | 0.0 | 9.04 | 15.37 | 0.00 | 2.45 | 0.61 | 0.37 | 3.44 | 0.00 | 0.00 | 22.1 | 0.0 | 0.45 | 3.1 | 0.028 | 0.028 | 9.092 | 2.364 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 260 | P4 | 4 | 22.60 | 0.039 | 20.00 | 0.0 | 9.03 | 15.27 | 0.00 | 2.44 | 0.61 | 0.37 | 3.42 | 0.00 | 0.00 | 21.1 | 0.0 | 0.45 | 3.1 | 0.028 | 0.028 | 9.092 | 2.369 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 261 | P4 | 4 | 22.50 | 0.039 | 20.00 | 0.0 | 9.02 | 15.16 | 0.00 | 2.44 | 0.60 | 0.37 | 3.40 | 0.00 | 0.00 | 20.1 | 0.0 | 0.45 | 3.1 | 0.028 | 0.028 | 9.092 | 2.373 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 262 | P4 | 4 | 22.40 | 0.039 | 20.00 | 0.0 | 9.01 | 15.06 | 0.00 | 2.43 | 0.59 | 0.37 | 3.39 | 0.00 | 0.00 | 19.1 | 0.0 | 0.45 | 3.1 | 0.028 | 0.028 | 9.092 | 2.377 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 263 | P4 | 4 | 22.30 | 0.040 | 20.00 | 0.0 | 9.00 | 14.96 | 0.00 | 2.43 | 0.58 | 0.36 | 3.37 | 0.00 | 0.00 | 18.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.382 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 264 | P4 | 4 | 22.20 | 0.040 | 20.00 | 0.0 | 8.99 | 14.87 | 0.00 | 2.42 | 0.58 | 0.36 | 3.36 | 0.00 | 0.00 | 17.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.386 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 265 | P4 | 4 | 22.10 | 0.040 | 20.00 | 0.0 | 8.98 | 14.77 | 0.00 | 2.41 | 0.57 | 0.36 | 3.34 | 0.00 | 0.00 | 16.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.390 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 266 | P4 | 4 | 22.00 | 0.041 | 20.00 | 0.0 | 8.97 | 14.68 | 0.00 | 2.41 | 0.56 | 0.36 | 3.33 | 0.00 | 0.00 | 15.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.395 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 267 | P4 | 4 | 21.90 | 0.041 | 20.00 | 0.0 | 8.96 | 14.59 | 0.00 | 2.40 | 0.55 | 0.36 | 3.31 | 0.00 | 0.00 | 14.2 | 0.0 | 0.45 | 3.1 | 0.029 | 0.029 | 9.092 | 2.399 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 268 | P4 | 4 | 21.80 | 0.041 | 20.00 | 0.0 | 8.95 | 14.50 | 0.00 | 2.40 | 0.55 | 0.35 | 3.30 | 0.00 | 0.00 | 13.2 | 0.0 | 0.45 | 3.1 | 0.030 | 0.030 | 9.092 | 2.403 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 269 | P4 | 4 | 21.70 | 0.042 | 20.00 | 0.0 | 8.93 | 14.41 | 0.00 | 2.39 | 0.54 | 0.35 | 3.29 | 0.00 | 0.00 | 12.2 | 0.0 | 0.45 | 3.1 | 0.030 | 0.030 | 9.092 | 2.408 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 270 | P4 | 4 | 21.60 | 0.042 | 20.00 | 0.0 | 8.92 | 14.32 | 0.00 | 2.39 | 0.53 | 0.35 | 3.27 | 0.00 | 0.00 | 11.2 | 0.0 | 0.45 | 3.1 | 0.030 | 0.030 | 9.092 | 2.412 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 271 | P4 | 4 | 21.50 | 0.042 | 20.00 | 0.0 | 8.91 | 14.24 | 0.00 | 2.38 | 0.53 | 0.35 | 3.26 | 0.00 | 0.00 | 10.2 | 0.0 | 0.45 | 3.1 | 0.030 | 0.030 | 9.092 | 2.416 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 272 | P4 | 4 | 21.40 | 0.043 | 20.00 | 0.0 | 8.89 | 14.16 | 0.00 | 2.37 | 0.52 | 0.35 | 3.25 | 0.00 | 0.00 | 9.2 | 0.0 | 0.45 | 3.1 | 0.031 | 0.031 | 9.092 | 2.421 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 273 | P4 | 4 | 21.30 | 0.043 | 20.00 | 0.0 | 8.88 | 14.08 | 0.00 | 2.37 | 0.52 | 0.35 | 3.23 | 0.00 | 0.00 | 8.2 | 0.0 | 0.46 | 3.1 | 0.031 | 0.031 | 9.092 | 2.425 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 274 | P4 | 4 | 21.20 | 0.044 | 20.00 | 0.0 | 8.87 | 14.00 | 0.00 | 2.36 | 0.51 | 0.35 | 3.22 | 0.00 | 0.00 | 7.2 | 0.0 | 0.46 | 3.1 | 0.031 | 0.031 | 9.092 | 2.429 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 275 | P4 | 4 | 21.10 | 0.044 | 20.00 | 0.0 | 8.86 | 13.92 | 0.00 | 2.36 | 0.50 | 0.35 | 3.21 | 0.00 | 0.00 | 6.2 | 0.0 | 0.46 | 3.1 | 0.031 | 0.031 | 9.092 | 2.434 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 276 | P4 | 4 | 21.00 | 0.044 | 20.00 | 0.0 | 8.84 | 13.84 | 0.00 | 2.35 | 0.50 | 0.35 | 3.20 | 0.00 | 0.00 | 5.2 | 0.0 | 0.46 | 3.1 | 0.031 | 0.031 | 9.092 | 2.438 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 277 (Grp5-Rch4) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 277 | P4 | 4 | 20.90 | 0.045 | 20.00 | 0.0 | 8.72 | 14.69 | 0.00 | 2.39 | 0.65 | 0.37 | 3.42 | 0.00 | 0.00 | 4.2 | 0.0 | 0.46 | 3.1 | 0.032 | 0.032 | 9.092 | 2.452 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 278 | P4 | 4 | 20.80 | 0.046 | 20.00 | 0.0 | 8.71 | 14.60 | 0.00 | 2.39 | 0.64 | 0.37 | 3.41 | 0.00 | 0.00 | 3.2 | 0.0 | 0.46 | 3.1 | 0.032 | 0.032 | 9.092 | 2.457 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| 279 | P4 | 4 | 20.70 | 0.046 | 20.00 | 0.0 | 8.70 | 14.52 | 0.00 | 2.38 | 0.64 | 0.37 | 3.40 | 0.00 | 0.00 | 2.2 | 0.0 | 0.46 | 3.1 | 0.033 | 0.033 | 9.092 | 2.461 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.00 |
| | TRIBUTARY # 280 (East Pont.) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 389 | P3 | 6 | 20.60 | 0.094 | 20.00 | 0.0 | 7.70 | 15.03 | 0.00 | 1.86 | 0.64 | 0.43 | 2.92 | 0.00 | 0.00 | 2.5 | 0.0 | 0.13 | 3.2 | 0.234 | 0.234 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 390 | P3 | 6 | 20.50 | 0.099 | 20.00 | 0.0 | 7.71 | 15.79 | 0.00 | 1.81 | 0.62 | 0.43 | 2.86 | 0.00 | 0.00 | 2.7 | 0.0 | 0.13 | 3.2 | 0.245 | 0.245 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 391 | P3 | 6 | 20.40 | 0.104 | 20.00 | 0.0 | 7.71 | 16.48 | 0.00 | 1.77 | 0.60 | 0.42 | 2.80 | 0.00 | 0.00 | 2.9 | 0.0 | 0.13 | 3.2 | 0.256 | 0.256 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 392 | P3 | 6 | 20.30 | 0.109 | 20.00 | 0.0 | 7.72 | 17.10 | 0.00 | 1.74 | 0.59 | 0.42 | 2.75 | 0.00 | 0.00 | 3.1 | 0.0 | 0.13 | 3.2 | 0.267 | 0.267 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| | WASTELOAD # 393 (LAG541365) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 393 | P3 | 6 | 20.20 | 0.115 | 20.00 | 0.0 | 7.71 | 17.84 | 0.00 | 1.71 | 0.61 | 0.42 | 2.75 | 0.00 | 0.00 | 3.3 | 0.0 | 0.13 | 3.2 | 0.278 | 0.278 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 394 | P3 | 6 | 20.10 | 0.120 | 20.00 | 0.0 | 7.71 | 18.35 | 0.00 | 1.68 | 0.59 | 0.42 | 2.70 | 0.00 | 0.00 | 3.5 | 0.0 | 0.13 | 3.2 | 0.289 | 0.289 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 395 | P3 | 6 | 20.00 | 0.125 | 20.00 | 0.0 | 7.72 | 18.82 | 0.00 | 1.66 | 0.58 | 0.42 | 2.66 | 0.00 | 0.00 | 3.7 | 0.0 | 0.13 | 3.2 | 0.300 | 0.300 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 396 | P3 | 6 | 19.90 | 0.130 | 20.00 | 0.0 | 7.72 | 19.25 | 0.00 | 1.63 | 0.57 | 0.42 | 2.62 | 0.00 | 0.00 | 3.9 | 0.0 | 0.13 | 3.2 | 0.310 | 0.310 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 397 | P3 | 6 | 19.80 | 0.135 | 20.00 | 0.0 | 7.73 | 19.65 | 0.00 | 1.61 | 0.56 | 0.42 | 2.58 | 0.00 | 0.00 | 4.1 | 0.0 | 0.13 | 3.2 | 0.321 | 0.321 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398 | P3 | 6 | 19.70 | 0.140 | 20.00 | 0.0 | 7.73 | 20.01 | 0.00 | 1.58 | 0.55 | 0.42 | 2.55 | 0.00 | 0.00 | 4.3 | 0.0 | 0.13 | 3.2 | 0.332 | 0.332 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |
| 399 | P3 | 6 | 19.60 | 0.145 | 20.00 | 0.0 | 7.74 | 20.36 | 0.00 | 1.56 | 0.54 | 0.41 | 2.52 | 0.00 | 0.00 | 4.5 | 0.0 | 0.13 | 3.2 | 0.342 | 0.342 | 9.092 | 10.000 | 0.03 | 0.08 | 0.00 | 0.00 | 0.18 | 0.30 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 400 | P3 | 6 | 19.50 | 0.151 | 20.00 | 0.0 | 7.74 | 20.68 | 0.00 | 1.54 | 0.53 | 0.41 | 2.49 | 0.00 | 0.00 | 4.7 | 0.0 | 0.13 | 3.2 | 0.352 | 0.352 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 401 | P3 | 6 | 19.40 | 0.156 | 20.00 | 0.0 | 7.75 | 20.97 | 0.00 | 1.53 | 0.52 | 0.41 | 2.46 | 0.00 | 0.00 | 4.9 | 0.0 | 0.13 | 3.2 | 0.363 | 0.363 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 402 | P3 | 6 | 19.30 | 0.161 | 20.00 | 0.0 | 7.75 | 21.25 | 0.00 | 1.51 | 0.51 | 0.41 | 2.43 | 0.00 | 0.00 | 5.1 | 0.0 | 0.13 | 3.2 | 0.373 | 0.373 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 403 | P3 | 6 | 19.20 | 0.166 | 20.00 | 0.0 | 7.75 | 21.52 | 0.00 | 1.49 | 0.51 | 0.41 | 2.41 | 0.00 | 0.00 | 5.3 | 0.0 | 0.14 | 3.2 | 0.384 | 0.384 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 404 | P3 | 6 | 19.10 | 0.171 | 20.00 | 0.0 | 7.76 | 21.76 | 0.00 | 1.48 | 0.50 | 0.41 | 2.39 | 0.00 | 0.00 | 5.5 | 0.0 | 0.14 | 3.2 | 0.394 | 0.394 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 405 | P3 | 6 | 19.00 | 0.176 | 20.00 | 0.0 | 7.76 | 21.99 | 0.00 | 1.46 | 0.49 | 0.41 | 2.37 | 0.00 | 0.00 | 5.7 | 0.0 | 0.14 | 3.2 | 0.404 | 0.404 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 406 | P3 | 6 | 18.90 | 0.181 | 20.00 | 0.0 | 7.76 | 22.21 | 0.00 | 1.45 | 0.49 | 0.41 | 2.35 | 0.00 | 0.00 | 5.9 | 0.0 | 0.14 | 3.2 | 0.414 | 0.414 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 407 | P3 | 6 | 18.80 | 0.186 | 20.00 | 0.0 | 7.77 | 22.42 | 0.00 | 1.44 | 0.48 | 0.41 | 2.33 | 0.00 | 0.00 | 6.1 | 0.0 | 0.14 | 3.2 | 0.424 | 0.424 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 408 | P3 | 6 | 18.70 | 0.191 | 20.00 | 0.0 | 7.77 | 22.61 | 0.00 | 1.43 | 0.48 | 0.40 | 2.31 | 0.00 | 0.00 | 6.3 | 0.0 | 0.14 | 3.2 | 0.434 | 0.434 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 409 | P3 | 6 | 18.60 | 0.196 | 20.00 | 0.0 | 7.77 | 22.80 | 0.00 | 1.42 | 0.47 | 0.40 | 2.29 | 0.00 | 0.00 | 6.5 | 0.0 | 0.14 | 3.2 | 0.445 | 0.445 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 410 | P3 | 6 | 18.50 | 0.202 | 20.00 | 0.0 | 7.78 | 22.98 | 0.00 | 1.41 | 0.47 | 0.40 | 2.28 | 0.00 | 0.00 | 6.7 | 0.0 | 0.14 | 3.2 | 0.455 | 0.455 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 411 | P3 | 6 | 18.40 | 0.207 | 20.00 | 0.0 | 7.78 | 23.14 | 0.00 | 1.40 | 0.46 | 0.40 | 2.26 | 0.00 | 0.00 | 6.9 | 0.0 | 0.14 | 3.2 | 0.465 | 0.465 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 412 | P3 | 6 | 18.30 | 0.212 | 20.00 | 0.0 | 7.78 | 23.30 | 0.00 | 1.39 | 0.46 | 0.40 | 2.25 | 0.00 | 0.00 | 7.1 | 0.0 | 0.14 | 3.2 | 0.475 | 0.475 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 413 | P3 | 6 | 18.20 | 0.217 | 20.00 | 0.0 | 7.78 | 23.45 | 0.00 | 1.38 | 0.45 | 0.40 | 2.23 | 0.00 | 0.00 | 7.3 | 0.0 | 0.14 | 3.2 | 0.485 | 0.485 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 414 | P3 | 6 | 18.10 | 0.222 | 20.00 | 0.0 | 7.79 | 23.60 | 0.00 | 1.37 | 0.45 | 0.40 | 2.22 | 0.00 | 0.00 | 7.5 | 0.0 | 0.14 | 3.2 | 0.495 | 0.495 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 415 | P3 | 6 | 18.00 | 0.227 | 20.00 | 0.0 | 7.79 | 23.74 | 0.00 | 1.36 | 0.45 | 0.40 | 2.21 | 0.00 | 0.00 | 7.7 | 0.0 | 0.14 | 3.2 | 0.504 | 0.504 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 416 | P3 | 6 | 17.90 | 0.232 | 20.00 | 0.0 | 7.79 | 23.87 | 0.00 | 1.35 | 0.44 | 0.40 | 2.19 | 0.00 | 0.00 | 7.9 | 0.0 | 0.14 | 3.2 | 0.514 | 0.514 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 417 | P3 | 6 | 17.80 | 0.237 | 20.00 | 0.0 | 7.79 | 23.99 | 0.00 | 1.34 | 0.44 | 0.40 | 2.18 | 0.00 | 0.00 | 8.1 | 0.0 | 0.14 | 3.2 | 0.524 | 0.524 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 418 | P3 | 6 | 17.70 | 0.242 | 20.00 | 0.0 | 7.80 | 24.12 | 0.00 | 1.34 | 0.44 | 0.40 | 2.17 | 0.00 | 0.00 | 8.3 | 0.0 | 0.14 | 3.2 | 0.534 | 0.534 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 419 | P3 | 6 | 17.60 | 0.247 | 20.00 | 0.0 | 7.80 | 24.23 | 0.00 | 1.33 | 0.43 | 0.40 | 2.16 | 0.00 | 0.00 | 8.5 | 0.0 | 0.14 | 3.2 | 0.544 | 0.544 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 420 | P3 | 6 | 17.50 | 0.253 | 20.00 | 0.0 | 7.80 | 24.34 | 0.00 | 1.32 | 0.43 | 0.40 | 2.15 | 0.00 | 0.00 | 8.7 | 0.0 | 0.14 | 3.2 | 0.554 | 0.554 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 421 | P3 | 6 | 17.40 | 0.258 | 20.00 | 0.0 | 7.80 | 24.45 | 0.00 | 1.32 | 0.43 | 0.40 | 2.14 | 0.00 | 0.00 | 8.9 | 0.0 | 0.14 | 3.2 | 0.563 | 0.563 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 422 | P3 | 6 | 17.30 | 0.263 | 20.00 | 0.0 | 7.80 | 24.55 | 0.00 | 1.31 | 0.42 | 0.40 | 2.13 | 0.00 | 0.00 | 9.1 | 0.0 | 0.14 | 3.2 | 0.573 | 0.573 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 423 | P3 | 6 | 17.20 | 0.268 | 20.00 | 0.0 | 7.81 | 24.65 | 0.00 | 1.31 | 0.42 | 0.40 | 2.12 | 0.00 | 0.00 | 9.3 | 0.0 | 0.14 | 3.2 | 0.583 | 0.583 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 424 | P3 | 6 | 17.10 | 0.273 | 20.00 | 0.0 | 7.81 | 24.75 | 0.00 | 1.30 | 0.42 | 0.39 | 2.11 | 0.00 | 0.00 | 9.5 | 0.0 | 0.14 | 3.2 | 0.592 | 0.592 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 425 | P3 | 6 | 17.00 | 0.278 | 20.00 | 0.0 | 7.81 | 24.84 | 0.00 | 1.29 | 0.42 | 0.39 | 2.11 | 0.00 | 0.00 | 9.7 | 0.0 | 0.14 | 3.2 | 0.602 | 0.602 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 426 | P3 | 6 | 16.90 | 0.283 | 20.00 | 0.0 | 7.81 | 24.93 | 0.00 | 1.29 | 0.41 | 0.39 | 2.10 | 0.00 | 0.00 | 9.9 | 0.0 | 0.14 | 3.2 | 0.612 | 0.612 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 427 | P3 | 6 | 16.80 | 0.288 | 20.00 | 0.0 | 7.81 | 25.01 | 0.00 | 1.28 | 0.41 | 0.39 | 2.09 | 0.00 | 0.00 | 10.1 | 0.0 | 0.15 | 3.2 | 0.621 | 0.621 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| | WASTELOAD # 428 (Grp9-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 428 | P3 | 6 | 16.70 | 0.295 | 20.00 | 0.0 | 7.79 | 25.27 | 0.00 | 1.29 | 0.46 | 0.40 | 2.15 | 0.00 | 0.00 | 10.3 | 0.0 | 0.15 | 3.2 | 0.634 | 0.634 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 429 | P3 | 6 | 16.60 | 0.300 | 20.00 | 0.0 | 7.79 | 25.34 | 0.00 | 1.29 | 0.45 | 0.40 | 2.14 | 0.00 | 0.00 | 10.5 | 0.0 | 0.15 | 3.2 | 0.644 | 0.644 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 430 | P3 | 6 | 16.50 | 0.305 | 20.00 | 0.0 | 7.79 | 25.42 | 0.00 | 1.28 | 0.45 | 0.40 | 2.14 | 0.00 | 0.00 | 10.7 | 0.0 | 0.15 | 3.2 | 0.653 | 0.653 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 431 | P3 | 6 | 16.40 | 0.311 | 20.00 | 0.0 | 7.79 | 25.49 | 0.00 | 1.28 | 0.45 | 0.40 | 2.13 | 0.00 | 0.00 | 10.9 | 0.0 | 0.15 | 3.2 | 0.663 | 0.663 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 432 | P3 | 6 | 16.30 | 0.316 | 20.00 | 0.0 | 7.80 | 25.56 | 0.00 | 1.28 | 0.44 | 0.40 | 2.12 | 0.00 | 0.00 | 11.1 | 0.0 | 0.15 | 3.2 | 0.672 | 0.672 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 433 | P3 | 6 | 16.20 | 0.321 | 20.00 | 0.0 | 7.80 | 25.62 | 0.00 | 1.27 | 0.44 | 0.40 | 2.11 | 0.00 | 0.00 | 11.3 | 0.0 | 0.15 | 3.2 | 0.682 | 0.682 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 434 | P3 | 6 | 16.10 | 0.326 | 20.00 | 0.0 | 7.80 | 25.69 | 0.00 | 1.27 | 0.44 | 0.40 | 2.11 | 0.00 | 0.00 | 11.5 | 0.0 | 0.15 | 3.2 | 0.691 | 0.691 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 435 | P3 | 6 | 16.00 | 0.331 | 20.00 | 0.0 | 7.80 | 25.75 | 0.00 | 1.26 | 0.44 | 0.40 | 2.10 | 0.00 | 0.00 | 11.7 | 0.0 | 0.15 | 3.2 | 0.701 | 0.701 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 436 | P3 | 6 | 15.90 | 0.336 | 20.00 | 0.0 | 7.81 | 25.81 | 0.00 | 1.26 | 0.43 | 0.40 | 2.09 | 0.00 | 0.00 | 11.9 | 0.0 | 0.15 | 3.2 | 0.710 | 0.710 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 437 | P3 | 6 | 15.80 | 0.341 | 20.00 | 0.0 | 7.81 | 25.87 | 0.00 | 1.25 | 0.43 | 0.40 | 2.09 | 0.00 | 0.00 | 12.1 | 0.0 | 0.15 | 3.2 | 0.719 | 0.719 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 438 | P3 | 6 | 15.70 | 0.346 | 20.00 | 0.0 | 7.81 | 25.92 | 0.00 | 1.25 | 0.43 | 0.40 | 2.08 | 0.00 | 0.00 | 12.3 | 0.0 | 0.15 | 3.2 | 0.729 | 0.729 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 439 | P3 | 6 | 15.60 | 0.351 | 20.00 | 0.0 | 7.81 | 25.98 | 0.00 | 1.25 | 0.43 | 0.40 | 2.07 | 0.00 | 0.00 | 12.5 | 0.0 | 0.15 | 3.2 | 0.738 | 0.738 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 440 | P3 | 6 | 15.50 | 0.356 | 20.00 | 0.0 | 7.82 | 26.03 | 0.00 | 1.24 | 0.43 | 0.40 | 2.07 | 0.00 | 0.00 | 12.7 | 0.0 | 0.15 | 3.2 | 0.748 | 0.748 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 441 | P3 | 6 | 15.40 | 0.362 | 20.00 | 0.0 | 7.82 | 26.08 | 0.00 | 1.24 | 0.42 | 0.40 | 2.06 | 0.00 | 0.00 | 12.9 | 0.0 | 0.15 | 3.2 | 0.757 | 0.757 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 442 | P3 | 6 | 15.30 | 0.367 | 20.00 | 0.0 | 7.82 | 26.14 | 0.00 | 1.24 | 0.42 | 0.40 | 2.06 | 0.00 | 0.00 | 13.1 | 0.0 | 0.15 | 3.2 | 0.766 | 0.766 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 443 | P3 | 6 | 15.20 | 0.372 | 20.00 | 0.0 | 7.82 | 26.18 | 0.00 | 1.23 | 0.42 | 0.40 | 2.05 | 0.00 | 0.00 | 13.3 | 0.0 | 0.15 | 3.2 | 0.775 | 0.775 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 444 | P3 | 6 | 15.10 | 0.377 | 20.00 | 0.0 | 7.82 | 26.23 | 0.00 | 1.23 | 0.42 | 0.40 | 2.04 | 0.00 | 0.00 | 13.5 | 0.0 | 0.15 | 3.2 | 0.785 | 0.785 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 445 | P3 | 6 | 15.00 | 0.382 | 20.00 | 0.0 | 7.83 | 26.28 | 0.00 | 1.23 | 0.42 | 0.40 | 2.04 | 0.00 | 0.00 | 13.7 | 0.0 | 0.15 | 3.2 | 0.794 | 0.794 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 446 | P3 | 6 | 14.90 | 0.387 | 20.00 | 0.0 | 7.83 | 26.32 | 0.00 | 1.22 | 0.41 | 0.40 | 2.03 | 0.00 | 0.00 | 13.9 | 0.0 | 0.15 | 3.2 | 0.803 | 0.803 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 447 | P3 | 6 | 14.80 | 0.392 | 20.00 | 0.0 | 7.83 | 26.37 | 0.00 | 1.22 | 0.41 | 0.40 | 2.03 | 0.00 | 0.00 | 14.1 | 0.0 | 0.15 | 3.2 | 0.812 | 0.812 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 448 | P3 | 6 | 14.70 | 0.397 | 20.00 | 0.0 | 7.83 | 26.41 | 0.00 | 1.22 | 0.41 | 0.39 | 2.02 | 0.00 | 0.00 | 14.3 | 0.0 | 0.15 | 3.2 | 0.822 | 0.822 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 449 | P3 | 6 | 14.60 | 0.402 | 20.00 | 0.0 | 7.83 | 26.45 | 0.00 | 1.22 | 0.41 | 0.39 | 2.02 | 0.00 | 0.00 | 14.5 | 0.0 | 0.15 | 3.2 | 0.831 | 0.831 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 450 | P3 | 6 | 14.50 | 0.407 | 20.00 | 0.0 | 7.83 | 26.49 | 0.00 | 1.21 | 0.41 | 0.39 | 2.02 | 0.00 | 0.00 | 14.7 | 0.0 | 0.15 | 3.2 | 0.840 | 0.840 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 451 | P3 | 6 | 14.40 | 0.413 | 20.00 | 0.0 | 7.84 | 26.53 | 0.00 | 1.21 | 0.41 | 0.39 | 2.01 | 0.00 | 0.00 | 14.9 | 0.0 | 0.15 | 3.2 | 0.849 | 0.849 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| | WASTELOAD # 452 (Grp10-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 452 | P3 | 6 | 14.30 | 0.420 | 20.00 | 0.0 | 7.82 | 26.69 | 0.00 | 1.22 | 0.44 | 0.40 | 2.06 | 0.00 | 0.00 | 15.1 | 0.0 | 0.15 | 3.2 | 0.862 | 0.862 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 453 | P3 | 6 | 14.20 | 0.425 | 20.00 | 0.0 | 7.82 | 26.73 | 0.00 | 1.22 | 0.44 | 0.40 | 2.05 | 0.00 | 0.00 | 15.3 | 0.0 | 0.15 | 3.2 | 0.871 | 0.871 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 454 | P3 | 6 | 14.10 | 0.430 | 20.00 | 0.0 | 7.82 | 26.76 | 0.00 | 1.21 | 0.43 | 0.40 | 2.05 | 0.00 | 0.00 | 15.6 | 0.0 | 0.15 | 3.2 | 0.880 | 0.880 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 455 | P3 | 6 | 14.00 | 0.435 | 20.00 | 0.0 | 7.82 | 26.80 | 0.00 | 1.21 | 0.43 | 0.40 | 2.04 | 0.00 | 0.00 | 15.8 | 0.0 | 0.15 | 3.2 | 0.889 | 0.889 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| | WASTELOAD # 456 (Grp11-Rch6) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 456 | P3 | 6 | 13.90 | 0.440 | 20.00 | 0.0 | 7.82 | 26.82 | 0.00 | 1.21 | 0.43 | 0.40 | 2.04 | 0.00 | 0.00 | 16.0 | 0.0 | 0.15 | 3.2 | 0.898 | 0.898 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 457 | P3 | 6 | 13.80 | 0.445 | 20.00 | 0.0 | 7.82 | 26.85 | 0.00 | 1.21 | 0.43 | 0.40 | 2.03 | 0.00 | 0.00 | 16.2 | 0.0 | 0.15 | 3.2 | 0.907 | 0.907 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 458 | P3 | 6 | 13.70 | 0.450 | 20.00 | 0.0 | 7.83 | 26.88 | 0.00 | 1.20 | 0.43 | 0.40 | 2.03 | 0.00 | 0.00 | 16.4 | 0.0 | 0.15 | 3.2 | 0.917 | 0.917 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 459 | P3 | 6 | 13.60 | 0.455 | 20.00 | 0.0 | 7.83 | 26.92 | 0.00 | 1.20 | 0.42 | 0.40 | 2.03 | 0.00 | 0.00 | 16.6 | 0.0 | 0.15 | 3.2 | 0.926 | 0.926 | 9.092 | 10.000 | 0.03 | 0.07 | 0.00 | 0.00 | 0.18 | 0.30 |
| 460 | P3 | 6 | 13.50 | 0.461 | 20.00 | 0.0 | 7.83 | 26.95 | 0.00 | 1.20 | 0.42 | 0.40 | 2.02 | 0.00 | 0.00 | 16.8 | 0.0 | 0.15 | 3.2 | 0.935 | 0.935 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 461 | P3 | 6 | 13.40 | 0.466 | 20.00 | 0.0 | 7.83 | 26.98 | 0.00 | 1.20 | 0.42 | 0.40 | 2.02 | 0.00 | 0.00 | 17.0 | 0.0 | 0.15 | 3.2 | 0.944 | 0.944 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 462 | P3 | 6 | 13.30 | 0.471 | 20.00 | 0.0 | 7.83 | 27.01 | 0.00 | 1.20 | 0.42 | 0.40 | 2.01 | 0.00 | 0.00 | 17.2 | 0.0 | 0.15 | 3.2 | 0.953 | 0.953 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 463 | P3 | 6 | 13.20 | 0.476 | 20.00 | 0.0 | 7.84 | 27.03 | 0.00 | 1.19 | 0.42 | 0.40 | 2.01 | 0.00 | 0.00 | 17.4 | 0.0 | 0.15 | 3.2 | 0.962 | 0.962 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 464 | P3 | 6 | 13.10 | 0.481 | 20.00 | 0.0 | 7.84 | 27.06 | 0.00 | 1.19 | 0.42 | 0.40 | 2.01 | 0.00 | 0.00 | 17.6 | 0.0 | 0.15 | 3.2 | 0.971 | 0.971 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 465 | P3 | 6 | 13.00 | 0.486 | 20.00 | 0.0 | 7.84 | 27.09 | 0.00 | 1.19 | 0.42 | 0.40 | 2.00 | 0.00 | 0.00 | 17.8 | 0.0 | 0.16 | 3.2 | 0.980 | 0.980 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 466 | P3 | 6 | 12.90 | 0.491 | 20.00 | 0.0 | 7.84 | 27.12 | 0.00 | 1.19 | 0.41 | 0.40 | 2.00 | 0.00 | 0.00 | 18.0 | 0.0 | 0.16 | 3.2 | 0.989 | 0.989 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 467 | P3 | 6 | 12.80 | 0.496 | 20.00 | 0.0 | 7.84 | 27.14 | 0.00 | 1.19 | 0.41 | 0.40 | 1.99 | 0.00 | 0.00 | 18.2 | 0.0 | 0.16 | 3.2 | 0.998 | 0.998 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 468 | P3 | 6 | 12.70 | 0.501 | 20.00 | 0.0 | 7.85 | 27.17 | 0.00 | 1.18 | 0.41 | 0.40 | 1.99 | 0.00 | 0.00 | 18.4 | 0.0 | 0.16 | 3.2 | 1.007 | 1.007 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 469 | P3 6 | 12.60 | 0.506 | 20.00 | 0.0 | 7.85 | 27.20 | 0.00 | 1.18 | 0.41 | 0.40 | 1.99 | 0.00 | 0.00 | 18.6 | 0.0 | 0.16 | 3.2 | 1.015 | 1.015 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 470 | P3 6 | 12.50 | 0.512 | 20.00 | 0.0 | 7.85 | 27.22 | 0.00 | 1.18 | 0.41 | 0.40 | 1.98 | 0.00 | 0.00 | 18.8 | 0.0 | 0.16 | 3.2 | 1.024 | 1.024 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 471 | P3 6 | 12.40 | 0.517 | 20.00 | 0.0 | 7.85 | 27.25 | 0.00 | 1.18 | 0.41 | 0.40 | 1.98 | 0.00 | 0.00 | 19.0 | 0.0 | 0.16 | 3.2 | 1.033 | 1.033 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 472 | P3 6 | 12.30 | 0.522 | 20.00 | 0.0 | 7.85 | 27.27 | 0.00 | 1.18 | 0.41 | 0.39 | 1.98 | 0.00 | 0.00 | 19.2 | 0.0 | 0.16 | 3.2 | 1.042 | 1.042 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 473 | P3 6 | 12.20 | 0.527 | 20.00 | 0.0 | 7.85 | 27.29 | 0.00 | 1.17 | 0.41 | 0.39 | 1.97 | 0.00 | 0.00 | 19.4 | 0.0 | 0.16 | 3.2 | 1.051 | 1.051 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 474 | P3 6 | 12.10 | 0.532 | 20.00 | 0.0 | 7.86 | 27.32 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 0.00 | 0.00 | 19.6 | 0.0 | 0.16 | 3.2 | 1.060 | 1.060 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 475 | P3 6 | 12.00 | 0.537 | 20.00 | 0.0 | 7.86 | 27.34 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 0.00 | 0.00 | 19.8 | 0.0 | 0.16 | 3.2 | 1.069 | 1.069 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 476 | P3 6 | 11.90 | 0.542 | 20.00 | 0.0 | 7.86 | 27.36 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 0.00 | 0.00 | 20.0 | 0.0 | 0.16 | 3.2 | 1.078 | 1.078 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 477 | P3 6 | 11.80 | 0.547 | 20.00 | 0.0 | 7.86 | 27.38 | 0.00 | 1.17 | 0.40 | 0.39 | 1.96 | 0.00 | 0.00 | 20.2 | 0.0 | 0.16 | 3.2 | 1.086 | 1.086 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 478 | P3 6 | 11.70 | 0.552 | 20.00 | 0.0 | 7.86 | 27.40 | 0.00 | 1.17 | 0.40 | 0.39 | 1.96 | 0.00 | 0.00 | 20.4 | 0.0 | 0.16 | 3.2 | 1.095 | 1.095 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 479 | P3 6 | 11.60 | 0.557 | 20.00 | 0.0 | 7.86 | 27.42 | 0.00 | 1.16 | 0.40 | 0.39 | 1.96 | 0.00 | 0.00 | 20.6 | 0.0 | 0.16 | 3.2 | 1.104 | 1.104 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 480 | P3 6 | 11.50 | 0.563 | 20.00 | 0.0 | 7.86 | 27.45 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 0.00 | 0.00 | 20.8 | 0.0 | 0.16 | 3.2 | 1.113 | 1.113 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 481 | P3 6 | 11.40 | 0.568 | 20.00 | 0.0 | 7.87 | 27.47 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 0.00 | 0.00 | 21.0 | 0.0 | 0.16 | 3.2 | 1.122 | 1.122 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 482 | P3 6 | 11.30 | 0.573 | 20.00 | 0.0 | 7.87 | 27.49 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 0.00 | 0.00 | 21.2 | 0.0 | 0.16 | 3.2 | 1.131 | 1.131 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 483 | P3 6 | 11.20 | 0.578 | 20.00 | 0.0 | 7.87 | 27.50 | 0.00 | 1.16 | 0.39 | 0.39 | 1.95 | 0.00 | 0.00 | 21.4 | 0.0 | 0.16 | 3.2 | 1.139 | 1.139 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 484 | P3 6 | 11.10 | 0.583 | 20.00 | 0.0 | 7.87 | 27.52 | 0.00 | 1.16 | 0.39 | 0.39 | 1.94 | 0.00 | 0.00 | 21.6 | 0.0 | 0.16 | 3.2 | 1.148 | 1.148 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 485 | P3 6 | 11.00 | 0.588 | 20.00 | 0.0 | 7.87 | 27.54 | 0.00 | 1.16 | 0.39 | 0.39 | 1.94 | 0.00 | 0.00 | 21.8 | 0.0 | 0.16 | 3.2 | 1.157 | 1.157 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| 486 | P3 6 | 10.90 | 0.593 | 20.00 | 0.0 | 7.84 | 27.20 | 0.00 | 1.15 | 0.40 | 0.39 | 1.93 | 0.00 | 0.00 | 22.0 | 0.0 | 0.16 | 3.2 | 1.166 | 1.166 | 9.092 | 10.000 | 0.03 | 0.06 | 0.00 | 0.00 | 0.18 | 0.30 |
| TRIBUTARY # 487 (Arnold's Creek) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 561 | P2 8 | 10.80 | 0.622 | 20.00 | 0.0 | 7.83 | 27.01 | 0.00 | 1.15 | 0.40 | 0.38 | 1.93 | 0.00 | 0.00 | 21.9 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 562 | P2 8 | 10.70 | 0.622 | 20.00 | 0.0 | 7.81 | 27.00 | 0.00 | 1.15 | 0.40 | 0.38 | 1.93 | 0.00 | 0.00 | 21.9 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 563 | P2 8 | 10.60 | 0.622 | 20.00 | 0.0 | 7.79 | 26.99 | 0.00 | 1.15 | 0.40 | 0.38 | 1.94 | 0.00 | 0.00 | 21.8 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| WASTELOAD # 564 (Grp12-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 564 | P2 8 | 10.50 | 0.622 | 20.00 | 0.0 | 7.77 | 26.99 | 0.00 | 1.15 | 0.41 | 0.38 | 1.95 | 0.00 | 0.00 | 21.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 565 | P2 8 | 10.40 | 0.622 | 20.00 | 0.0 | 7.75 | 27.00 | 0.00 | 1.16 | 0.42 | 0.39 | 1.96 | 0.00 | 0.00 | 21.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.411 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| WASTELOAD # 566 (Grp13-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 566 | P2 8 | 10.30 | 0.625 | 20.00 | 0.0 | 7.73 | 27.02 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.6 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 567 | P2 8 | 10.20 | 0.625 | 20.00 | 0.0 | 7.71 | 26.99 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.5 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 568 | P2 8 | 10.10 | 0.625 | 20.00 | 0.0 | 7.70 | 26.97 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.4 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 569 | P2 8 | 10.00 | 0.625 | 20.00 | 0.0 | 7.68 | 26.94 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.4 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 570 | P2 8 | 9.90 | 0.625 | 20.00 | 0.0 | 7.67 | 26.92 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 571 | P2 8 | 9.80 | 0.625 | 20.00 | 0.0 | 7.66 | 26.90 | 0.00 | 1.16 | 0.42 | 0.39 | 1.97 | 0.00 | 0.00 | 21.2 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 572 | P2 8 | 9.70 | 0.625 | 20.00 | 0.0 | 7.64 | 26.87 | 0.00 | 1.16 | 0.42 | 0.39 | 1.96 | 0.00 | 0.00 | 21.2 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 573 | P2 8 | 9.60 | 0.625 | 20.00 | 0.0 | 7.63 | 26.85 | 0.00 | 1.16 | 0.42 | 0.39 | 1.96 | 0.00 | 0.00 | 21.1 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 574 | P2 8 | 9.50 | 0.625 | 20.00 | 0.0 | 7.62 | 26.83 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 21.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 575 | P2 8 | 9.40 | 0.625 | 20.00 | 0.0 | 7.60 | 26.80 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 21.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 576 | P2 8 | 9.30 | 0.625 | 20.00 | 0.0 | 7.59 | 26.78 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.9 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 577 | P2 8 | 9.20 | 0.625 | 20.00 | 0.0 | 7.58 | 26.76 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.8 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 578 | P2 8 | 9.10 | 0.625 | 20.00 | 0.0 | 7.57 | 26.74 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 579 | P2 8 | 9.00 | 0.625 | 20.00 | 0.0 | 7.55 | 26.71 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 580 | P2 8 | 8.90 | 0.625 | 20.00 | 0.0 | 7.54 | 26.69 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.6 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 581 | P2 8 | 8.80 | 0.625 | 20.00 | 0.0 | 7.53 | 26.68 | 0.00 | 1.16 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.5 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 582 | P2 8 | 8.70 | 0.625 | 20.00 | 0.0 | 7.52 | 26.66 | 0.00 | 1.16 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.5 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 583 | P2 8 | 8.60 | 0.625 | 20.00 | 0.0 | 7.50 | 26.64 | 0.00 | 1.16 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.4 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| WASTELOAD # 584 (Grp14-Rch8) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 584 | P2 8 | 8.50 | 0.627 | 20.00 | 0.0 | 7.49 | 26.63 | 0.00 | 1.17 | 0.42 | 0.38 | 1.98 | 0.00 | 0.00 | 20.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 585 | P2 8 | 8.40 | 0.627 | 20.00 | 0.0 | 7.48 | 26.59 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 586 | P2 8 | 8.30 | 0.627 | 20.00 | 0.0 | 7.47 | 26.56 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.2 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 587 | P2 8 | 8.20 | 0.627 | 20.00 | 0.0 | 7.46 | 26.51 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.1 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 588 | P2 8 | 8.10 | 0.627 | 20.00 | 0.0 | 7.45 | 26.47 | 0.00 | 1.17 | 0.42 | 0.38 | 1.97 | 0.00 | 0.00 | 20.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 589 | P2 8 | 8.00 | 0.627 | 20.00 | 0.0 | 7.44 | 26.41 | 0.00 | 1.17 | 0.42 | 0.38 | 1.96 | 0.00 | 0.00 | 20.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 590 | P2 8 | 7.90 | 0.627 | 20.00 | 0.0 | 7.43 | 26.35 | 0.00 | 1.17 | 0.41 | 0.38 | 1.96 | 0.00 | 0.00 | 19.9 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 591 | P2 8 | 7.80 | 0.627 | 20.00 | 0.0 | 7.42 | 26.28 | 0.00 | 1.17 | 0.41 | 0.38 | 1.96 | 0.00 | 0.00 | 19.8 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 592 | P2 8 | 7.70 | 0.627 | 20.00 | 0.0 | 7.41 | 26.20 | 0.00 | 1.17 | 0.41 | 0.38 | 1.95 | 0.00 | 0.00 | 19.8 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 593 | P2 8 | 7.60 | 0.627 | 20.00 | 0.0 | 7.40 | 26.09 | 0.00 | 1.17 | 0.41 | 0.37 | 1.95 | 0.00 | 0.00 | 19.7 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 594 | P2 8 | 7.50 | 0.627 | 20.00 | 0.0 | 7.40 | 25.97 | 0.00 | 1.17 | 0.40 | 0.37 | 1.94 | 0.00 | 0.00 | 19.6 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 595 | P2 8 | 7.40 | 0.627 | 20.00 | 0.0 | 7.39 | 25.82 | 0.00 | 1.17 | 0.40 | 0.37 | 1.94 | 0.00 | 0.00 | 19.6 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 596 | P2 8 | 7.30 | 0.627 | 20.00 | 0.0 | 7.38 | 25.63 | 0.00 | 1.18 | 0.39 | 0.36 | 1.93 | 0.00 | 0.00 | 19.5 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 597 | P2 8 | 7.20 | 0.627 | 20.00 | 0.0 | 7.37 | 25.40 | 0.00 | 1.18 | 0.38 | 0.35 | 1.92 | 0.00 | 0.00 | 19.4 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 598 | P2 8 | 7.10 | 0.627 | 20.00 | 0.0 | 7.36 | 25.11 | 0.00 | 1.19 | 0.37 | 0.35 | 1.91 | 0.00 | 0.00 | 19.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 599 | P2 8 | 7.00 | 0.627 | 20.00 | 0.0 | 7.35 | 24.75 | 0.00 | 1.19 | 0.36 | 0.34 | 1.89 | 0.00 | 0.00 | 19.3 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 600 | P2 8 | 6.90 | 0.627 | 20.00 | 0.0 | 7.34 | 24.30 | 0.00 | 1.20 | 0.35 | 0.32 | 1.87 | 0.00 | 0.00 | 19.2 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 601 | P2 8 | 6.80 | 0.627 | 20.00 | 0.0 | 7.33 | 23.72 | 0.00 | 1.21 | 0.33 | 0.31 | 1.85 | 0.00 | 0.00 | 19.1 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 602 | P2 8 | 6.70 | 0.627 | 20.00 | 0.0 | 7.31 | 22.99 | 0.00 | 1.22 | 0.31 | 0.28 | 1.82 | 0.00 | 0.00 | 19.1 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.410 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| WASTELOAD # 603 (YWR) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 603 | P2 8 | 6.60 | 0.630 | 20.00 | 0.0 | 7.30 | 22.07 | 0.00 | 1.24 | 0.28 | 0.26 | 1.78 | 0.00 | 0.00 | 19.0 | 25.0 | 0.50 | 18.3 | 0.069 | 0.069 | 9.092 | 1.409 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 1.40 |
| 604 | P1 9 | 6.50 | 0.630 | 20.00 | 0.0 | 7.29 | 21.90 | 0.00 | 1.24 | 0.28 | 0.25 | 1.77 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 605 | P1 9 | 6.40 | 0.630 | 20.00 | 0.0 | 7.29 | 21.81 | 0.00 | 1.24 | 0.27 | 0.25 | 1.77 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 606 | P1 9 | 6.30 | 0.630 | 20.00 | 0.0 | 7.29 | 21.72 | 0.00 | 1.25 | 0.27 | 0.25 | 1.76 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 607 | P1 9 | 6.20 | 0.630 | 20.00 | 0.0 | 7.29 | 21.63 | 0.00 | 1.25 | 0.27 | 0.24 | 1.76 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 608 | P1 | 9 | 6.10 | 0.630 | 20.00 | 0.0 | 7.29 | 21.54 | 0.00 | 1.25 | 0.27 | 0.24 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 609 | P1 | 9 | 6.00 | 0.630 | 20.00 | 0.0 | 7.29 | 21.46 | 0.00 | 1.25 | 0.26 | 0.24 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 610 | P1 | 9 | 5.90 | 0.630 | 20.00 | 0.0 | 7.29 | 21.38 | 0.00 | 1.25 | 0.26 | 0.23 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 611 | P1 | 9 | 5.80 | 0.630 | 20.00 | 0.0 | 7.29 | 21.30 | 0.00 | 1.26 | 0.26 | 0.23 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |

CAPSULE SUMMARY FOR Pont. Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 612 | P1 | 9 | 5.70 | 0.630 | 20.00 | 0.0 | 7.29 | 21.23 | 0.00 | 1.26 | 0.26 | 0.23 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.447 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| | WASTELOAD # 613 (LAG531729) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 613 | P1 | 9 | 5.60 | 0.631 | 20.00 | 0.0 | 7.29 | 21.16 | 0.00 | 1.26 | 0.25 | 0.22 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 614 | P1 | 9 | 5.50 | 0.631 | 20.00 | 0.0 | 7.29 | 21.08 | 0.00 | 1.26 | 0.25 | 0.22 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 615 | P1 | 9 | 5.40 | 0.631 | 20.00 | 0.0 | 7.29 | 21.01 | 0.00 | 1.27 | 0.25 | 0.22 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 616 | P1 | 9 | 5.30 | 0.631 | 20.00 | 0.0 | 7.29 | 20.94 | 0.00 | 1.27 | 0.25 | 0.21 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 617 | P1 | 9 | 5.20 | 0.631 | 20.00 | 0.0 | 7.29 | 20.88 | 0.00 | 1.27 | 0.24 | 0.21 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 618 | P1 | 9 | 5.10 | 0.631 | 20.00 | 0.0 | 7.29 | 20.82 | 0.00 | 1.27 | 0.24 | 0.21 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 619 | P1 | 9 | 5.00 | 0.631 | 20.00 | 0.0 | 7.29 | 20.76 | 0.00 | 1.28 | 0.24 | 0.20 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 620 | P1 | 9 | 4.90 | 0.631 | 20.00 | 0.0 | 7.29 | 20.70 | 0.00 | 1.28 | 0.23 | 0.20 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 621 | P1 | 9 | 4.80 | 0.631 | 20.00 | 0.0 | 7.30 | 20.65 | 0.00 | 1.28 | 0.23 | 0.20 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 622 | P1 | 9 | 4.70 | 0.631 | 20.00 | 0.0 | 7.30 | 20.60 | 0.00 | 1.29 | 0.23 | 0.20 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 623 | P1 | 9 | 4.60 | 0.631 | 20.00 | 0.0 | 7.30 | 20.55 | 0.00 | 1.29 | 0.23 | 0.19 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 624 | P1 | 9 | 4.50 | 0.631 | 20.00 | 0.0 | 7.30 | 20.50 | 0.00 | 1.29 | 0.23 | 0.19 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 625 | P1 | 9 | 4.40 | 0.631 | 20.00 | 0.0 | 7.30 | 20.46 | 0.00 | 1.30 | 0.22 | 0.19 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 626 | P1 | 9 | 4.30 | 0.631 | 20.00 | 0.0 | 7.29 | 20.42 | 0.00 | 1.30 | 0.22 | 0.18 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.008 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 627 | P1 | 9 | 4.20 | 0.631 | 20.00 | 0.0 | 7.29 | 20.38 | 0.00 | 1.30 | 0.22 | 0.18 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 628 | P1 | 9 | 4.10 | 0.631 | 20.00 | 0.0 | 7.29 | 20.35 | 0.00 | 1.31 | 0.22 | 0.18 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 629 | P1 | 9 | 4.00 | 0.631 | 20.00 | 0.0 | 7.29 | 20.32 | 0.00 | 1.31 | 0.21 | 0.17 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 630 | P1 | 9 | 3.90 | 0.631 | 20.00 | 0.0 | 7.29 | 20.29 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 631 | P1 | 9 | 3.80 | 0.631 | 20.00 | 0.0 | 7.29 | 20.27 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 632 | P1 | 9 | 3.70 | 0.631 | 20.00 | 0.0 | 7.29 | 20.25 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 633 | P1 | 9 | 3.60 | 0.631 | 20.00 | 0.0 | 7.29 | 20.23 | 0.00 | 1.33 | 0.21 | 0.16 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.009 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 634 | P1 | 9 | 3.50 | 0.631 | 20.00 | 0.0 | 7.28 | 20.22 | 0.00 | 1.33 | 0.20 | 0.16 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 635 | P1 | 9 | 3.40 | 0.631 | 20.00 | 0.0 | 7.28 | 20.21 | 0.00 | 1.34 | 0.20 | 0.16 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 636 | P1 | 9 | 3.30 | 0.631 | 20.00 | 0.0 | 7.28 | 20.21 | 0.00 | 1.34 | 0.20 | 0.15 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 637 | P1 | 9 | 3.20 | 0.631 | 20.00 | 0.0 | 7.28 | 20.21 | 0.00 | 1.35 | 0.20 | 0.15 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 638 | P1 | 9 | 3.10 | 0.631 | 20.00 | 0.0 | 7.27 | 20.21 | 0.00 | 1.35 | 0.20 | 0.15 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 639 | P1 | 9 | 3.00 | 0.631 | 20.00 | 0.0 | 7.27 | 20.21 | 0.00 | 1.36 | 0.19 | 0.15 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.010 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 640 | P1 | 9 | 2.90 | 0.631 | 20.00 | 0.0 | 7.26 | 20.22 | 0.00 | 1.37 | 0.19 | 0.14 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 641 | P1 | 9 | 2.80 | 0.631 | 20.00 | 0.0 | 7.26 | 20.24 | 0.00 | 1.37 | 0.19 | 0.14 | 1.70 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 642 | P1 | 9 | 2.70 | 0.631 | 20.00 | 0.0 | 7.25 | 20.26 | 0.00 | 1.38 | 0.19 | 0.14 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 643 | P1 | 9 | 2.60 | 0.631 | 20.00 | 0.0 | 7.25 | 20.28 | 0.00 | 1.38 | 0.19 | 0.14 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 644 | P1 | 9 | 2.50 | 0.631 | 20.00 | 0.0 | 7.24 | 20.31 | 0.00 | 1.39 | 0.19 | 0.13 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 645 | P1 | 9 | 2.40 | 0.631 | 20.00 | 0.0 | 7.24 | 20.34 | 0.00 | 1.40 | 0.18 | 0.13 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.011 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 646 | P1 | 9 | 2.30 | 0.631 | 20.00 | 0.0 | 7.23 | 20.38 | 0.00 | 1.40 | 0.18 | 0.13 | 1.71 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 647 | P1 | 9 | 2.20 | 0.631 | 20.00 | 0.0 | 7.22 | 20.42 | 0.00 | 1.41 | 0.18 | 0.13 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 648 | P1 | 9 | 2.10 | 0.631 | 20.00 | 0.0 | 7.21 | 20.46 | 0.00 | 1.42 | 0.18 | 0.12 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 649 | P1 | 9 | 2.00 | 0.631 | 20.00 | 0.0 | 7.20 | 20.51 | 0.00 | 1.43 | 0.18 | 0.12 | 1.72 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 650 | P1 | 9 | 1.90 | 0.631 | 20.00 | 0.0 | 7.19 | 20.57 | 0.00 | 1.43 | 0.18 | 0.12 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.012 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 651 | P1 | 9 | 1.80 | 0.631 | 20.00 | 0.0 | 7.19 | 20.63 | 0.00 | 1.44 | 0.17 | 0.12 | 1.73 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 652 | P1 | 9 | 1.70 | 0.631 | 20.00 | 0.0 | 7.17 | 20.70 | 0.00 | 1.45 | 0.17 | 0.11 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 653 | P1 | 9 | 1.60 | 0.631 | 20.00 | 0.0 | 7.16 | 20.77 | 0.00 | 1.46 | 0.17 | 0.11 | 1.74 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 654 | P1 | 9 | 1.50 | 0.631 | 20.00 | 0.0 | 7.15 | 20.85 | 0.00 | 1.47 | 0.17 | 0.11 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 655 | P1 | 9 | 1.40 | 0.631 | 20.00 | 0.0 | 7.14 | 20.93 | 0.00 | 1.47 | 0.17 | 0.11 | 1.75 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.013 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 656 | P1 | 9 | 1.30 | 0.631 | 20.00 | 0.0 | 7.13 | 21.02 | 0.00 | 1.48 | 0.17 | 0.11 | 1.76 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 657 | P1 | 9 | 1.20 | 0.631 | 20.00 | 0.0 | 7.11 | 21.11 | 0.00 | 1.49 | 0.17 | 0.10 | 1.76 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 658 | P1 | 9 | 1.10 | 0.631 | 20.00 | 0.0 | 7.10 | 21.22 | 0.00 | 1.50 | 0.16 | 0.10 | 1.77 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 659 | P1 | 9 | 1.00 | 0.631 | 20.00 | 0.0 | 7.08 | 21.32 | 0.00 | 1.51 | 0.16 | 0.10 | 1.78 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 660 | P1 | 9 | 0.90 | 0.631 | 20.00 | 0.0 | 7.07 | 21.44 | 0.00 | 1.52 | 0.16 | 0.10 | 1.78 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 661 | P1 | 9 | 0.80 | 0.631 | 20.00 | 0.0 | 7.05 | 21.56 | 0.00 | 1.53 | 0.16 | 0.10 | 1.79 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.014 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 662 | P1 | 9 | 0.70 | 0.631 | 20.00 | 0.0 | 7.03 | 21.69 | 0.00 | 1.54 | 0.16 | 0.10 | 1.80 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 663 | P1 | 9 | 0.60 | 0.631 | 20.00 | 0.0 | 7.01 | 21.82 | 0.00 | 1.55 | 0.16 | 0.09 | 1.81 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 664 | P1 | 9 | 0.50 | 0.631 | 20.00 | 0.0 | 6.99 | 21.96 | 0.00 | 1.56 | 0.16 | 0.09 | 1.81 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 665 | P1 | 9 | 0.40 | 0.631 | 20.00 | 0.0 | 6.97 | 22.11 | 0.00 | 1.58 | 0.16 | 0.09 | 1.82 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 666 | P1 | 9 | 0.30 | 0.631 | 20.00 | 0.0 | 6.95 | 22.27 | 0.00 | 1.59 | 0.15 | 0.09 | 1.83 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.015 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 667 | P1 | 9 | 0.20 | 0.631 | 20.00 | 0.0 | 6.93 | 22.43 | 0.00 | 1.60 | 0.15 | 0.09 | 1.84 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.016 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 668 | P1 | 9 | 0.10 | 0.631 | 20.00 | 0.0 | 6.90 | 22.60 | 0.00 | 1.61 | 0.15 | 0.09 | 1.85 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.016 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |
| 669 | P1 | 9 | 0.00 | 0.631 | 20.00 | 0.0 | 6.88 | 22.78 | 0.00 | 1.63 | 0.15 | 0.09 | 1.86 | 0.00 | 0.00 | 19.0 | 35.0 | 1.57 | 51.8 | 0.008 | 0.016 | 9.092 | 0.446 | 0.05 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 |

CAPSULE SUMMARY FOR Pont. Trib.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | PT | 2 | 7.90 | 0.028 | 20.00 | 0.0 | 7.00 | 21.35 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 124 | PT | 2 | 7.80 | 0.028 | 20.00 | 0.0 | 7.14 | 21.33 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 125 | PT | 2 | 7.70 | 0.028 | 20.00 | 0.0 | 7.27 | 21.32 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 126 | PT | 2 | 7.60 | 0.028 | 20.00 | 0.0 | 7.39 | 21.31 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 127 | PT | 2 | 7.50 | 0.028 | 20.00 | 0.0 | 7.50 | 21.30 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 128 | PT | 2 | 7.40 | 0.028 | 20.00 | 0.0 | 7.61 | 21.28 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 129 | PT | 2 | 7.30 | 0.028 | 20.00 | 0.0 | 7.71 | 21.27 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 130 | PT | 2 | 7.20 | 0.028 | 20.00 | 0.0 | 7.80 | 21.26 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 131 | PT | 2 | 7.10 | 0.028 | 20.00 | 0.0 | 7.88 | 21.25 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 132 | PT | 2 | 7.00 | 0.028 | 20.00 | 0.0 | 7.96 | 21.23 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 133 | PT | 2 | 6.90 | 0.028 | 20.00 | 0.0 | 8.04 | 21.22 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 134 | PT | 2 | 6.80 | 0.028 | 20.00 | 0.0 | 8.10 | 21.21 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 135 | PT | 2 | 6.70 | 0.028 | 20.00 | 0.0 | 8.17 | 21.20 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 136 | PT | 2 | 6.60 | 0.028 | 20.00 | 0.0 | 8.23 | 21.18 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 137 | PT | 2 | 6.50 | 0.028 | 20.00 | 0.0 | 8.28 | 21.17 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 138 | PT | 2 | 6.40 | 0.028 | 20.00 | 0.0 | 8.34 | 21.16 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 139 | PT | 2 | 6.30 | 0.028 | 20.00 | 0.0 | 8.38 | 21.14 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 140 | PT | 2 | 6.20 | 0.028 | 20.00 | 0.0 | 8.43 | 21.13 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 5.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 141 | PT | 2 | 6.10 | 0.028 | 20.00 | 0.0 | 8.47 | 21.12 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 142 | PT | 2 | 6.00 | 0.028 | 20.00 | 0.0 | 8.51 | 21.11 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 143 | PT | 2 | 5.90 | 0.028 | 20.00 | 0.0 | 8.55 | 21.09 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 144 | PT | 2 | 5.80 | 0.028 | 20.00 | 0.0 | 8.58 | 21.08 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 145 | PT | 2 | 5.70 | 0.028 | 20.00 | 0.0 | 8.61 | 21.07 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 146 | PT | 2 | 5.60 | 0.028 | 20.00 | 0.0 | 8.64 | 21.06 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 147 | PT | 2 | 5.50 | 0.028 | 20.00 | 0.0 | 8.67 | 21.04 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 148 | PT | 2 | 5.40 | 0.028 | 20.00 | 0.0 | 8.69 | 21.03 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 149 | PT | 2 | 5.30 | 0.028 | 20.00 | 0.0 | 8.72 | 21.02 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 150 | PT | 2 | 5.20 | 0.028 | 20.00 | 0.0 | 8.74 | 21.01 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 151 | PT | 2 | 5.10 | 0.028 | 20.00 | 0.0 | 8.76 | 20.99 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 152 | PT | 2 | 5.00 | 0.028 | 20.00 | 0.0 | 8.78 | 20.98 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 153 | PT | 2 | 4.90 | 0.028 | 20.00 | 0.0 | 8.80 | 20.97 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 154 | PT | 2 | 4.80 | 0.028 | 20.00 | 0.0 | 8.81 | 20.96 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 155 | PT | 2 | 4.70 | 0.028 | 20.00 | 0.0 | 8.83 | 20.94 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 156 | PT | 2 | 4.60 | 0.028 | 20.00 | 0.0 | 8.84 | 20.93 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 157 | PT | 2 | 4.50 | 0.028 | 20.00 | 0.0 | 8.86 | 20.92 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 158 | PT | 2 | 4.40 | 0.028 | 20.00 | 0.0 | 8.87 | 20.91 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 4.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 159 | PT | 2 | 4.30 | 0.028 | 20.00 | 0.0 | 8.88 | 20.90 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 0.00 | 0.00 | 3.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 160 | PT | 2 | 4.20 | 0.028 | 20.00 | 0.0 | 8.89 | 20.88 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 161 | PT | 2 | 4.10 | 0.028 | 20.00 | 0.0 | 8.90 | 20.87 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 162 | PT | 2 | 4.00 | 0.028 | 20.00 | 0.0 | 8.91 | 20.86 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 163 | PT | 2 | 3.90 | 0.028 | 20.00 | 0.0 | 8.92 | 20.85 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 164 | PT | 2 | 3.80 | 0.028 | 20.00 | 0.0 | 8.93 | 20.83 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 165 | PT | 2 | 3.70 | 0.028 | 20.00 | 0.0 | 8.93 | 20.82 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 166 | PT | 2 | 3.60 | 0.028 | 20.00 | 0.0 | 8.94 | 20.81 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 167 | PT | 2 | 3.50 | 0.028 | 20.00 | 0.0 | 8.95 | 20.80 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 168 | PT | 2 | 3.40 | 0.028 | 20.00 | 0.0 | 8.95 | 20.78 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 169 | PT | 2 | 3.30 | 0.028 | 20.00 | 0.0 | 8.96 | 20.77 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 170 | PT | 2 | 3.20 | 0.028 | 20.00 | 0.0 | 8.96 | 20.76 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 171 | PT | 2 | 3.10 | 0.028 | 20.00 | 0.0 | 8.97 | 20.75 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 0.00 | 0.00 | 3.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 172 | PT | 2 | 3.00 | 0.028 | 20.00 | 0.0 | 8.97 | 20.73 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 173 | PT | 2 | 2.90 | 0.028 | 20.00 | 0.0 | 8.98 | 20.72 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 174 | PT | 2 | 2.80 | 0.028 | 20.00 | 0.0 | 8.98 | 20.71 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 175 | PT | 2 | 2.70 | 0.028 | 20.00 | 0.0 | 8.98 | 20.70 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 176 | PT | 2 | 2.60 | 0.028 | 20.00 | 0.0 | 8.99 | 20.69 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 3.0 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 177 | PT | 2 | 2.50 | 0.028 | 20.00 | 0.0 | 8.99 | 20.67 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 178 | PT | 2 | 2.40 | 0.028 | 20.00 | 0.0 | 8.99 | 20.66 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.9 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 179 | PT | 2 | 2.30 | 0.028 | 20.00 | 0.0 | 9.00 | 20.65 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.8 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 180 | PT | 2 | 2.20 | 0.028 | 20.00 | 0.0 | 9.00 | 20.64 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 181 | PT | 2 | 2.10 | 0.028 | 20.00 | 0.0 | 9.00 | 20.62 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 0.00 | 0.00 | 2.7 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 182 | PT | 2 | 2.00 | 0.028 | 20.00 | 0.0 | 9.00 | 20.61 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 183 | PT | 2 | 1.90 | 0.028 | 20.00 | 0.0 | 9.01 | 20.60 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.6 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 184 | PT | 2 | 1.80 | 0.028 | 20.00 | 0.0 | 9.01 | 20.59 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 185 | PT | 2 | 1.70 | 0.028 | 20.00 | 0.0 | 9.01 | 20.57 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.5 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 186 | PT | 2 | 1.60 | 0.028 | 20.00 | 0.0 | 9.01 | 20.56 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.4 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 187 | PT | 2 | 1.50 | 0.028 | 20.00 | 0.0 | 9.01 | 20.55 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 188 | PT | 2 | 1.40 | 0.028 | 20.00 | 0.0 | 9.01 | 20.54 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.3 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 189 | PT | 2 | 1.30 | 0.028 | 20.00 | 0.0 | 9.01 | 20.53 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 190 | PT | 2 | 1.20 | 0.028 | 20.00 | 0.0 | 9.01 | 20.51 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.2 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 191 | PT | 2 | 1.10 | 0.028 | 20.00 | 0.0 | 9.02 | 20.50 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 192 | PT | 2 | 1.00 | 0.028 | 20.00 | 0.0 | 9.02 | 20.49 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 0.00 | 0.00 | 2.1 | 0.0 | 0.20 | 0.9 | 0.158 | 0.158 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| | WASTELOAD # 193 (LAG570205) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193 | PT | 2 | 0.90 | 0.032 | 20.00 | 0.0 | 8.56 | 20.66 | 0.00 | 3.90 | 0.16 | 0.02 | 4.08 | 0.00 | 0.00 | 2.0 | 0.0 | 0.20 | 0.9 | 0.177 | 0.177 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 194 | PT | 2 | 0.80 | 0.032 | 20.00 | 0.0 | 8.59 | 20.65 | 0.00 | 3.90 | 0.16 | 0.02 | 4.08 | 0.00 | 0.00 | 2.0 | 0.0 | 0.20 | 0.9 | 0.177 | 0.177 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |

WASTELOAD # 195 (LAG533605) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 195 | PT | 2 | 0.70 | 0.036 | 20.00 | 0.0 | 8.25 | 20.89 | 0.00 | 3.67 | 0.50 | 0.24 | 4.40 | 0.00 | 0.00 | 1.9 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |

CAPSULE SUMMARY FOR Pont. Trib.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 196 | PT | 2 | 0.60 | 0.036 | 20.00 | 0.0 | 8.29 | 20.88 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.8 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 197 | PT | 2 | 0.50 | 0.036 | 20.00 | 0.0 | 8.33 | 20.87 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.8 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 198 | PT | 2 | 0.40 | 0.036 | 20.00 | 0.0 | 8.37 | 20.86 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.7 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 199 | PT | 2 | 0.30 | 0.036 | 20.00 | 0.0 | 8.41 | 20.85 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.7 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 200 | PT | 2 | 0.20 | 0.036 | 20.00 | 0.0 | 8.44 | 20.84 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.6 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 201 | PT | 2 | 0.10 | 0.036 | 20.00 | 0.0 | 8.47 | 20.83 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.6 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |
| 202 | PT | 2 | 0.00 | 0.036 | 20.00 | 0.0 | 8.50 | 20.82 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 0.00 | 0.00 | 1.5 | 0.0 | 0.20 | 0.9 | 0.195 | 0.195 | 9.092 | 10.000 | 0.03 | 0.05 | 0.00 | 0.00 | 0.18 | 0.00 |

CAPSULE SUMMARY FOR East Pont.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | EP | 5 | 10.80 | 0.028 | 20.00 | 0.0 | 6.82 | 12.42 | 0.00 | 1.11 | 0.11 | 0.09 | 1.31 | 0.00 | 0.00 | 5.0 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.467 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 281 | EP | 5 | 10.70 | 0.028 | 20.00 | 0.0 | 6.79 | 12.38 | 0.00 | 1.11 | 0.11 | 0.09 | 1.31 | 0.00 | 0.00 | 4.9 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.468 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 282 | EP | 5 | 10.60 | 0.029 | 20.00 | 0.0 | 6.77 | 12.34 | 0.00 | 1.11 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.9 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.469 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 283 | EP | 5 | 10.50 | 0.029 | 20.00 | 0.0 | 6.75 | 12.30 | 0.00 | 1.11 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.9 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.470 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 284 | EP | 5 | 10.40 | 0.029 | 20.00 | 0.0 | 6.73 | 12.26 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.9 | 0.0 | 0.38 | 3.9 | 0.019 | 0.019 | 9.092 | 2.471 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 285 | EP | 5 | 10.30 | 0.029 | 20.00 | 0.0 | 6.71 | 12.22 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.8 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.472 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 286 | EP | 5 | 10.20 | 0.029 | 20.00 | 0.0 | 6.70 | 12.18 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.8 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.473 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 287 | EP | 5 | 10.10 | 0.029 | 20.00 | 0.0 | 6.69 | 12.14 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.8 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.474 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 288 | EP | 5 | 10.00 | 0.029 | 20.00 | 0.0 | 6.68 | 12.10 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.8 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.475 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 289 | EP | 5 | 9.90 | 0.029 | 20.00 | 0.0 | 6.68 | 12.07 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 0.00 | 0.00 | 4.7 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.476 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 290 | EP | 5 | 9.80 | 0.029 | 20.00 | 0.0 | 6.67 | 12.03 | 0.00 | 1.10 | 0.10 | 0.09 | 1.30 | 0.00 | 0.00 | 4.7 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.477 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 291 | EP | 5 | 9.70 | 0.029 | 20.00 | 0.0 | 6.66 | 11.99 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.7 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.478 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 292 | EP | 5 | 9.60 | 0.029 | 20.00 | 0.0 | 6.66 | 11.95 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.7 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.479 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 293 | EP | 5 | 9.50 | 0.030 | 20.00 | 0.0 | 6.66 | 11.92 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.6 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.480 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 294 | EP | 5 | 9.40 | 0.030 | 20.00 | 0.0 | 6.65 | 11.88 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.6 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.481 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 295 | EP | 5 | 9.30 | 0.030 | 20.00 | 0.0 | 6.65 | 11.84 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.6 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.483 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 296 | EP | 5 | 9.20 | 0.030 | 20.00 | 0.0 | 6.65 | 11.81 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.6 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.484 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 297 | EP | 5 | 9.10 | 0.030 | 20.00 | 0.0 | 6.65 | 11.77 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.5 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.485 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 298 | EP | 5 | 9.00 | 0.030 | 20.00 | 0.0 | 6.65 | 11.74 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.5 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.486 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 299 | EP | 5 | 8.90 | 0.030 | 20.00 | 0.0 | 6.65 | 11.70 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.5 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.487 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 300 | EP | 5 | 8.80 | 0.030 | 20.00 | 0.0 | 6.65 | 11.67 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 0.00 | 0.00 | 4.5 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.488 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 301 | EP | 5 | 8.70 | 0.030 | 20.00 | 0.0 | 6.65 | 11.63 | 0.00 | 1.10 | 0.10 | 0.09 | 1.28 | 0.00 | 0.00 | 4.4 | 0.0 | 0.38 | 3.9 | 0.020 | 0.020 | 9.092 | 2.489 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |

WASTELOAD # 302 (LAG540869) ENTERS HERE

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 302 | EP | 5 | 8.60 | 0.031 | 20.00 | 0.0 | 6.54 | 12.99 | 0.00 | 1.19 | 0.34 | 0.14 | 1.67 | 0.00 | 0.00 | 4.4 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.499 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 303 | EP | 5 | 8.50 | 0.031 | 20.00 | 0.0 | 6.55 | 12.95 | 0.00 | 1.19 | 0.34 | 0.14 | 1.67 | 0.00 | 0.00 | 4.4 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.500 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 304 | EP | 5 | 8.40 | 0.031 | 20.00 | 0.0 | 6.55 | 12.91 | 0.00 | 1.19 | 0.33 | 0.14 | 1.67 | 0.00 | 0.00 | 4.4 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.501 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 305 | EP | 5 | 8.30 | 0.031 | 20.00 | 0.0 | 6.56 | 12.87 | 0.00 | 1.19 | 0.33 | 0.14 | 1.66 | 0.00 | 0.00 | 4.3 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.502 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 306 | EP | 5 | 8.20 | 0.032 | 20.00 | 0.0 | 6.56 | 12.83 | 0.00 | 1.19 | 0.33 | 0.15 | 1.66 | 0.00 | 0.00 | 4.3 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.503 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 307 | EP | 5 | 8.10 | 0.032 | 20.00 | 0.0 | 6.56 | 12.79 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 0.00 | 0.00 | 4.3 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.504 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 308 | EP | 5 | 8.00 | 0.032 | 20.00 | 0.0 | 6.57 | 12.74 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 0.00 | 0.00 | 4.3 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.505 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 309 | EP | 5 | 7.90 | 0.032 | 20.00 | 0.0 | 6.57 | 12.70 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 0.00 | 0.00 | 4.2 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.506 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 310 | EP | 5 | 7.80 | 0.032 | 20.00 | 0.0 | 6.57 | 12.66 | 0.00 | 1.19 | 0.32 | 0.15 | 1.65 | 0.00 | 0.00 | 4.2 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.507 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 311 | EP | 5 | 7.70 | 0.032 | 20.00 | 0.0 | 6.58 | 12.62 | 0.00 | 1.19 | 0.31 | 0.15 | 1.65 | 0.00 | 0.00 | 4.2 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.508 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 312 | EP | 5 | 7.60 | 0.032 | 20.00 | 0.0 | 6.58 | 12.59 | 0.00 | 1.18 | 0.31 | 0.15 | 1.65 | 0.00 | 0.00 | 4.2 | 0.0 | 0.39 | 3.9 | 0.021 | 0.021 | 9.092 | 2.509 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 313 | EP | 5 | 7.50 | 0.032 | 20.00 | 0.0 | 6.58 | 12.55 | 0.00 | 1.18 | 0.31 | 0.16 | 1.65 | 0.00 | 0.00 | 4.1 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.510 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 314 | EP | 5 | 7.40 | 0.032 | 20.00 | 0.0 | 6.59 | 12.51 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 0.00 | 0.00 | 4.1 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.511 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 315 | EP | 5 | 7.30 | 0.032 | 20.00 | 0.0 | 6.59 | 12.47 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 0.00 | 0.00 | 4.1 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.513 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 316 | EP | 5 | 7.20 | 0.032 | 20.00 | 0.0 | 6.59 | 12.43 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 0.00 | 0.00 | 4.1 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.514 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 317 | EP | 5 | 7.10 | 0.033 | 20.00 | 0.0 | 6.60 | 12.39 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 0.00 | 0.00 | 4.0 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.515 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 318 | EP | 5 | 7.00 | 0.033 | 20.00 | 0.0 | 6.60 | 12.36 | 0.00 | 1.18 | 0.29 | 0.16 | 1.64 | 0.00 | 0.00 | 4.0 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.516 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |

WASTELOAD # 319 (LAG532175) ENTERS HERE

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 319 | EP | 5 | 6.90 | 0.033 | 20.00 | 0.0 | 6.54 | 13.10 | 0.00 | 1.23 | 0.42 | 0.19 | 1.85 | 0.00 | 0.00 | 4.0 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.522 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 320 | EP | 5 | 6.80 | 0.033 | 20.00 | 0.0 | 6.55 | 13.06 | 0.00 | 1.23 | 0.42 | 0.19 | 1.84 | 0.00 | 0.00 | 4.0 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.523 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 321 | EP | 5 | 6.70 | 0.033 | 20.00 | 0.0 | 6.55 | 13.02 | 0.00 | 1.23 | 0.41 | 0.19 | 1.84 | 0.00 | 0.00 | 3.9 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.524 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 322 | EP | 5 | 6.60 | 0.033 | 20.00 | 0.0 | 6.56 | 12.98 | 0.00 | 1.23 | 0.41 | 0.20 | 1.84 | 0.00 | 0.00 | 3.9 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.525 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 323 | EP | 5 | 6.50 | 0.034 | 20.00 | 0.0 | 6.56 | 12.94 | 0.00 | 1.23 | 0.41 | 0.20 | 1.83 | 0.00 | 0.00 | 3.9 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.526 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 324 | EP | 5 | 6.40 | 0.034 | 20.00 | 0.0 | 6.57 | 12.90 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 0.00 | 0.00 | 3.9 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.528 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 325 | EP | 5 | 6.30 | 0.034 | 20.00 | 0.0 | 6.57 | 12.86 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 0.00 | 0.00 | 3.8 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.529 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 326 | EP | 5 | 6.20 | 0.034 | 20.00 | 0.0 | 6.57 | 12.82 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 0.00 | 0.00 | 3.8 | 0.0 | 0.39 | 3.9 | 0.022 | 0.022 | 9.092 | 2.530 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 327 | EP | 5 | 6.10 | 0.034 | 20.00 | 0.0 | 6.58 | 12.78 | 0.00 | 1.23 | 0.39 | 0.21 | 1.82 | 0.00 | 0.00 | 3.8 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.531 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 328 | EP | 5 | 6.00 | 0.034 | 20.00 | 0.0 | 6.58 | 12.74 | 0.00 | 1.22 | 0.39 | 0.21 | 1.82 | 0.00 | 0.00 | 3.8 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.532 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 329 | EP | 5 | 5.90 | 0.034 | 20.00 | 0.0 | 6.59 | 12.70 | 0.00 | 1.22 | 0.38 | 0.21 | 1.82 | 0.00 | 0.00 | 3.7 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.533 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 330 | EP | 5 | 5.80 | 0.034 | 20.00 | 0.0 | 6.59 | 12.67 | 0.00 | 1.22 | 0.38 | 0.21 | 1.81 | 0.00 | 0.00 | 3.7 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.534 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 331 | EP | 5 | 5.70 | 0.034 | 20.00 | 0.0 | 6.59 | 12.63 | 0.00 | 1.22 | 0.38 | 0.21 | 1.81 | 0.00 | 0.00 | 3.7 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.535 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 332 | EP | 5 | 5.60 | 0.034 | 20.00 | 0.0 | 6.60 | 12.59 | 0.00 | 1.22 | 0.37 | 0.21 | 1.81 | 0.00 | 0.00 | 3.7 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.536 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| WASTELOAD # 333 (Grp6-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 333 | EP | 5 | 5.50 | 0.035 | 20.00 | 0.0 | 6.59 | 12.74 | 0.00 | 1.23 | 0.40 | 0.22 | 1.85 | 0.00 | 0.00 | 3.6 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.538 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 334 | EP | 5 | 5.40 | 0.035 | 20.00 | 0.0 | 6.59 | 12.70 | 0.00 | 1.23 | 0.40 | 0.22 | 1.85 | 0.00 | 0.00 | 3.6 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.539 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 335 | EP | 5 | 5.30 | 0.035 | 20.00 | 0.0 | 6.60 | 12.66 | 0.00 | 1.23 | 0.39 | 0.22 | 1.85 | 0.00 | 0.00 | 3.6 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.540 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 336 | EP | 5 | 5.20 | 0.035 | 20.00 | 0.0 | 6.60 | 12.62 | 0.00 | 1.23 | 0.39 | 0.22 | 1.84 | 0.00 | 0.00 | 3.6 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.541 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 337 | EP | 5 | 5.10 | 0.035 | 20.00 | 0.0 | 6.60 | 12.58 | 0.00 | 1.23 | 0.38 | 0.23 | 1.84 | 0.00 | 0.00 | 3.5 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.542 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 338 | EP | 5 | 5.00 | 0.035 | 20.00 | 0.0 | 6.61 | 12.55 | 0.00 | 1.23 | 0.38 | 0.23 | 1.84 | 0.00 | 0.00 | 3.5 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.543 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 339 | EP | 5 | 4.90 | 0.035 | 20.00 | 0.0 | 6.61 | 12.51 | 0.00 | 1.23 | 0.38 | 0.23 | 1.83 | 0.00 | 0.00 | 3.5 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.544 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| WASTELOAD # 340 (Grp7-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | EP | 5 | 4.80 | 0.035 | 20.00 | 0.0 | 6.58 | 12.88 | 0.00 | 1.25 | 0.44 | 0.24 | 1.94 | 0.00 | 0.00 | 3.5 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.548 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 341 | EP | 5 | 4.70 | 0.036 | 20.00 | 0.0 | 6.59 | 12.84 | 0.00 | 1.25 | 0.44 | 0.24 | 1.94 | 0.00 | 0.00 | 3.4 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.549 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 342 | EP | 5 | 4.60 | 0.036 | 20.00 | 0.0 | 6.59 | 12.80 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 0.00 | 0.00 | 3.4 | 0.0 | 0.39 | 3.9 | 0.023 | 0.023 | 9.092 | 2.551 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 343 | EP | 5 | 4.50 | 0.036 | 20.00 | 0.0 | 6.59 | 12.76 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 0.00 | 0.00 | 3.4 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.552 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 344 | EP | 5 | 4.40 | 0.036 | 20.00 | 0.0 | 6.60 | 12.72 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 0.00 | 0.00 | 3.4 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.553 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 345 | EP | 5 | 4.30 | 0.036 | 20.00 | 0.0 | 6.60 | 12.69 | 0.00 | 1.25 | 0.42 | 0.25 | 1.92 | 0.00 | 0.00 | 3.3 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.554 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 346 | EP | 5 | 4.20 | 0.036 | 20.00 | 0.0 | 6.60 | 12.65 | 0.00 | 1.25 | 0.42 | 0.25 | 1.92 | 0.00 | 0.00 | 3.3 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.555 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 347 | EP | 5 | 4.10 | 0.036 | 20.00 | 0.0 | 6.61 | 12.61 | 0.00 | 1.25 | 0.41 | 0.25 | 1.92 | 0.00 | 0.00 | 3.3 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.556 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 348 | EP | 5 | 4.00 | 0.036 | 20.00 | 0.0 | 6.61 | 12.58 | 0.00 | 1.25 | 0.41 | 0.26 | 1.91 | 0.00 | 0.00 | 3.3 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.557 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 349 | EP | 5 | 3.90 | 0.036 | 20.00 | 0.0 | 6.61 | 12.54 | 0.00 | 1.25 | 0.41 | 0.26 | 1.91 | 0.00 | 0.00 | 3.2 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.558 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |

CAPSULE SUMMARY FOR East Pont.

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | EP | 5 | 3.80 | 0.036 | 20.00 | 0.0 | 6.62 | 12.50 | 0.00 | 1.25 | 0.40 | 0.26 | 1.91 | 0.00 | 0.00 | 3.2 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.559 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 351 | EP | 5 | 3.70 | 0.036 | 20.00 | 0.0 | 6.62 | 12.47 | 0.00 | 1.25 | 0.40 | 0.26 | 1.91 | 0.00 | 0.00 | 3.2 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.560 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 352 | EP | 5 | 3.60 | 0.037 | 20.00 | 0.0 | 6.62 | 12.43 | 0.00 | 1.24 | 0.40 | 0.26 | 1.90 | 0.00 | 0.00 | 3.2 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.561 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 353 | EP | 5 | 3.50 | 0.037 | 20.00 | 0.0 | 6.63 | 12.40 | 0.00 | 1.24 | 0.39 | 0.26 | 1.90 | 0.00 | 0.00 | 3.1 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.563 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 354 | EP | 5 | 3.40 | 0.037 | 20.00 | 0.0 | 6.63 | 12.36 | 0.00 | 1.24 | 0.39 | 0.26 | 1.90 | 0.00 | 0.00 | 3.1 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.564 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 355 | EP | 5 | 3.30 | 0.037 | 20.00 | 0.0 | 6.63 | 12.33 | 0.00 | 1.24 | 0.39 | 0.27 | 1.89 | 0.00 | 0.00 | 3.1 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.565 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 356 | EP | 5 | 3.20 | 0.037 | 20.00 | 0.0 | 6.64 | 12.29 | 0.00 | 1.24 | 0.38 | 0.27 | 1.89 | 0.00 | 0.00 | 3.1 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.566 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 357 | EP | 5 | 3.10 | 0.037 | 20.00 | 0.0 | 6.64 | 12.26 | 0.00 | 1.24 | 0.38 | 0.27 | 1.89 | 0.00 | 0.00 | 3.0 | 0.0 | 0.39 | 3.9 | 0.024 | 0.024 | 9.092 | 2.567 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| WASTELOAD # 358 (Grp8-Rch5) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 358 | EP | 5 | 3.00 | 0.040 | 20.00 | 0.0 | 6.40 | 15.10 | 0.00 | 1.42 | 0.89 | 0.40 | 2.72 | 0.00 | 0.00 | 3.0 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.604 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 359 | EP | 5 | 2.90 | 0.040 | 20.00 | 0.0 | 6.41 | 15.06 | 0.00 | 1.42 | 0.89 | 0.41 | 2.72 | 0.00 | 0.00 | 3.0 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.605 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 360 | EP | 5 | 2.80 | 0.040 | 20.00 | 0.0 | 6.42 | 15.01 | 0.00 | 1.42 | 0.88 | 0.41 | 2.71 | 0.00 | 0.00 | 3.0 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.606 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 361 | EP | 5 | 2.70 | 0.040 | 20.00 | 0.0 | 6.44 | 14.96 | 0.00 | 1.42 | 0.87 | 0.42 | 2.70 | 0.00 | 0.00 | 2.9 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.607 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 362 | EP | 5 | 2.60 | 0.040 | 20.00 | 0.0 | 6.45 | 14.92 | 0.00 | 1.42 | 0.86 | 0.42 | 2.70 | 0.00 | 0.00 | 2.9 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.608 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 363 | EP | 5 | 2.50 | 0.041 | 20.00 | 0.0 | 6.46 | 14.87 | 0.00 | 1.42 | 0.85 | 0.42 | 2.69 | 0.00 | 0.00 | 2.9 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.610 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 364 | EP | 5 | 2.40 | 0.041 | 20.00 | 0.0 | 6.47 | 14.83 | 0.00 | 1.42 | 0.85 | 0.43 | 2.69 | 0.00 | 0.00 | 2.9 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.611 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 365 | EP | 5 | 2.30 | 0.041 | 20.00 | 0.0 | 6.48 | 14.78 | 0.00 | 1.42 | 0.84 | 0.43 | 2.68 | 0.00 | 0.00 | 2.8 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.612 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 366 | EP | 5 | 2.20 | 0.041 | 20.00 | 0.0 | 6.49 | 14.74 | 0.00 | 1.41 | 0.83 | 0.43 | 2.68 | 0.00 | 0.00 | 2.8 | 0.0 | 0.40 | 3.9 | 0.026 | 0.026 | 9.092 | 2.613 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 367 | EP | 5 | 2.10 | 0.041 | 20.00 | 0.0 | 6.50 | 14.69 | 0.00 | 1.41 | 0.82 | 0.44 | 2.67 | 0.00 | 0.00 | 2.8 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.614 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 368 | EP | 5 | 2.00 | 0.041 | 20.00 | 0.0 | 6.51 | 14.65 | 0.00 | 1.41 | 0.82 | 0.44 | 2.67 | 0.00 | 0.00 | 2.8 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.615 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 369 | EP | 5 | 1.90 | 0.041 | 20.00 | 0.0 | 6.51 | 14.60 | 0.00 | 1.41 | 0.81 | 0.44 | 2.66 | 0.00 | 0.00 | 2.7 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.616 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 370 | EP | 5 | 1.80 | 0.041 | 20.00 | 0.0 | 6.52 | 14.56 | 0.00 | 1.41 | 0.80 | 0.45 | 2.66 | 0.00 | 0.00 | 2.7 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.617 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 371 | EP | 5 | 1.70 | 0.041 | 20.00 | 0.0 | 6.53 | 14.52 | 0.00 | 1.41 | 0.79 | 0.45 | 2.65 | 0.00 | 0.00 | 2.7 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.618 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 372 | EP | 5 | 1.60 | 0.041 | 20.00 | 0.0 | 6.53 | 14.47 | 0.00 | 1.41 | 0.79 | 0.45 | 2.65 | 0.00 | 0.00 | 2.7 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.620 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 373 | EP | 5 | 1.50 | 0.041 | 20.00 | 0.0 | 6.54 | 14.43 | 0.00 | 1.41 | 0.78 | 0.46 | 2.64 | 0.00 | 0.00 | 2.6 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.621 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 374 | EP | 5 | 1.40 | 0.042 | 20.00 | 0.0 | 6.55 | 14.39 | 0.00 | 1.40 | 0.77 | 0.46 | 2.64 | 0.00 | 0.00 | 2.6 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.622 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 375 | EP | 5 | 1.30 | 0.042 | 20.00 | 0.0 | 6.55 | 14.34 | 0.00 | 1.40 | 0.77 | 0.46 | 2.63 | 0.00 | 0.00 | 2.6 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.623 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 376 | EP | 5 | 1.20 | 0.042 | 20.00 | 0.0 | 6.56 | 14.30 | 0.00 | 1.40 | 0.76 | 0.47 | 2.63 | 0.00 | 0.00 | 2.6 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.624 | 0.03 | 0.03 | 0.00 | 0.00 | 0.18 | 2.26 |
| 377 | EP | 5 | 1.10 | 0.042 | 20.00 | 0.0 | 6.56 | 14.26 | 0.00 | 1.40 | 0.75 | 0.47 | 2.62 | 0.00 | 0.00 | 2.5 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.625 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 378 | EP | 5 | 1.00 | 0.042 | 20.00 | 0.0 | 6.57 | 14.22 | 0.00 | 1.40 | 0.75 | 0.47 | 2.62 | 0.00 | 0.00 | 2.5 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.626 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 379 | EP | 5 | 0.90 | 0.042 | 20.00 | 0.0 | 6.57 | 14.18 | 0.00 | 1.40 | 0.74 | 0.47 | 2.61 | 0.00 | 0.00 | 2.5 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.627 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 380 | EP | 5 | 0.80 | 0.042 | 20.00 | 0.0 | 6.58 | 14.13 | 0.00 | 1.40 | 0.73 | 0.48 | 2.61 | 0.00 | 0.00 | 2.5 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.628 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 381 | EP | 5 | 0.70 | 0.042 | 20.00 | 0.0 | 6.58 | 14.09 | 0.00 | 1.40 | 0.73 | 0.48 | 2.60 | 0.00 | 0.00 | 2.4 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.630 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 382 | EP | 5 | 0.60 | 0.042 | 20.00 | 0.0 | 6.59 | 14.05 | 0.00 | 1.40 | 0.72 | 0.48 | 2.60 | 0.00 | 0.00 | 2.4 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.631 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 383 | EP | 5 | 0.50 | 0.042 | 20.00 | 0.0 | 6.59 | 14.01 | 0.00 | 1.39 | 0.72 | 0.48 | 2.59 | 0.00 | 0.00 | 2.4 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.632 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 384 | EP | 5 | 0.40 | 0.043 | 20.00 | 0.0 | 6.59 | 13.97 | 0.00 | 1.39 | 0.71 | 0.49 | 2.59 | 0.00 | 0.00 | 2.4 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.633 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 385 | EP | 5 | 0.30 | 0.043 | 20.00 | 0.0 | 6.60 | 13.93 | 0.00 | 1.39 | 0.70 | 0.49 | 2.58 | 0.00 | 0.00 | 2.3 | 0.0 | 0.40 | 3.9 | 0.027 | 0.027 | 9.092 | 2.634 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 386 | EP | 5 | 0.20 | 0.043 | 20.00 | 0.0 | 6.60 | 13.89 | 0.00 | 1.39 | 0.70 | 0.49 | 2.58 | 0.00 | 0.00 | 2.3 | 0.0 | 0.40 | 3.9 | 0.028 | 0.028 | 9.092 | 2.635 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 387 | EP | 5 | 0.10 | 0.043 | 20.00 | 0.0 | 6.61 | 13.85 | 0.00 | 1.39 | 0.69 | 0.49 | 2.57 | 0.00 | 0.00 | 2.3 | 0.0 | 0.40 | 3.9 | 0.028 | 0.028 | 9.092 | 2.636 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |
| 388 | EP | 5 | 0.00 | 0.043 | 20.00 | 0.0 | 6.61 | 13.81 | 0.00 | 1.39 | 0.69 | 0.49 | 2.57 | 0.00 | 0.00 | 2.2 | 0.0 | 0.40 | 3.9 | 0.028 | 0.028 | 9.092 | 2.637 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 2.26 |

CAPSULE SUMMARY FOR Arnold's Creek

| IOR | REACH | | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | AC | 7 | 7.30 | 0.028 | 20.00 | 0.0 | 7.10 | 23.53 | 0.00 | 0.94 | 0.53 | 0.18 | 1.66 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 488 | AC | 7 | 7.20 | 0.028 | 20.00 | 0.0 | 7.31 | 23.41 | 0.00 | 0.94 | 0.52 | 0.18 | 1.65 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 489 | AC | 7 | 7.10 | 0.028 | 20.00 | 0.0 | 7.49 | 23.30 | 0.00 | 0.94 | 0.52 | 0.19 | 1.64 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 490 | AC | 7 | 7.00 | 0.028 | 20.00 | 0.0 | 7.65 | 23.18 | 0.00 | 0.94 | 0.51 | 0.19 | 1.64 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 491 | AC | 7 | 6.90 | 0.028 | 20.00 | 0.0 | 7.78 | 23.06 | 0.00 | 0.94 | 0.50 | 0.19 | 1.63 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 492 | AC | 7 | 6.80 | 0.028 | 20.00 | 0.0 | 7.89 | 22.95 | 0.00 | 0.94 | 0.49 | 0.19 | 1.62 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 493 | AC | 7 | 6.70 | 0.028 | 20.00 | 0.0 | 7.99 | 22.83 | 0.00 | 0.94 | 0.49 | 0.19 | 1.62 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 494 | AC | 7 | 6.60 | 0.028 | 20.00 | 0.0 | 8.07 | 22.72 | 0.00 | 0.94 | 0.48 | 0.19 | 1.61 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 495 | AC | 7 | 6.50 | 0.028 | 20.00 | 0.0 | 8.14 | 22.60 | 0.00 | 0.94 | 0.47 | 0.19 | 1.60 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 496 | AC | 7 | 6.40 | 0.028 | 20.00 | 0.0 | 8.20 | 22.49 | 0.00 | 0.93 | 0.47 | 0.19 | 1.60 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 497 | AC | 7 | 6.30 | 0.028 | 20.00 | 0.0 | 8.25 | 22.37 | 0.00 | 0.93 | 0.46 | 0.20 | 1.59 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 498 | AC | 7 | 6.20 | 0.028 | 20.00 | 0.0 | 8.29 | 22.26 | 0.00 | 0.93 | 0.45 | 0.20 | 1.58 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| WASTELOAD # 499 (LAG750157) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 499 | AC | 7 | 6.10 | 0.028 | 20.00 | 0.0 | 8.29 | 22.02 | 0.00 | 0.93 | 0.44 | 0.21 | 1.58 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 500 | AC | 7 | 6.00 | 0.028 | 20.00 | 0.0 | 8.33 | 21.91 | 0.00 | 0.93 | 0.44 | 0.21 | 1.57 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 501 | AC | 7 | 5.90 | 0.028 | 20.00 | 0.0 | 8.36 | 21.80 | 0.00 | 0.92 | 0.43 | 0.21 | 1.56 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 502 | AC | 7 | 5.80 | 0.028 | 20.00 | 0.0 | 8.39 | 21.69 | 0.00 | 0.92 | 0.43 | 0.21 | 1.56 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 503 | AC | 7 | 5.70 | 0.028 | 20.00 | 0.0 | 8.42 | 21.58 | 0.00 | 0.92 | 0.42 | 0.21 | 1.55 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 504 | AC | 7 | 5.60 | 0.028 | 20.00 | 0.0 | 8.44 | 21.47 | 0.00 | 0.92 | 0.41 | 0.21 | 1.54 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 505 | AC | 7 | 5.50 | 0.028 | 20.00 | 0.0 | 8.46 | 21.36 | 0.00 | 0.92 | 0.41 | 0.21 | 1.54 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 506 | AC | 7 | 5.40 | 0.028 | 20.00 | 0.0 | 8.48 | 21.25 | 0.00 | 0.92 | 0.40 | 0.21 | 1.53 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 507 | AC | 7 | 5.30 | 0.028 | 20.00 | 0.0 | 8.50 | 21.15 | 0.00 | 0.92 | 0.40 | 0.21 | 1.52 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 508 | AC | 7 | 5.20 | 0.028 | 20.00 | 0.0 | 8.51 | 21.04 | 0.00 | 0.92 | 0.39 | 0.21 | 1.52 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 509 | AC | 7 | 5.10 | 0.028 | 20.00 | 0.0 | 8.52 | 20.93 | 0.00 | 0.92 | 0.39 | 0.21 | 1.51 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 510 | AC | 7 | 5.00 | 0.028 | 20.00 | 0.0 | 8.53 | 20.83 | 0.00 | 0.92 | 0.38 | 0.20 | 1.50 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 511 | AC | 7 | 4.90 | 0.028 | 20.00 | 0.0 | 8.54 | 20.72 | 0.00 | 0.92 | 0.38 | 0.20 | 1.50 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 512 | AC | 7 | 4.80 | 0.028 | 20.00 | 0.0 | 8.55 | 20.62 | 0.00 | 0.92 | 0.37 | 0.20 | 1.49 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 513 | AC | 7 | 4.70 | 0.028 | 20.00 | 0.0 | 8.56 | 20.51 | 0.00 | 0.91 | 0.37 | 0.20 | 1.48 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 514 | AC | 7 | 4.60 | 0.028 | 20.00 | 0.0 | 8.57 | 20.41 | 0.00 | 0.91 | 0.36 | 0.20 | 1.48 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 515 | AC | 7 | 4.50 | 0.028 | 20.00 | 0.0 | 8.57 | 20.31 | 0.00 | 0.91 | 0.36 | 0.20 | 1.47 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 516 | AC | 7 | 4.40 | 0.028 | 20.00 | 0.0 | 8.58 | 20.21 | 0.00 | 0.91 | 0.35 | 0.20 | 1.46 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 517 | AC | 7 | 4.30 | 0.028 | 20.00 | 0.0 | 8.58 | 20.10 | 0.00 | 0.91 | 0.35 | 0.20 | 1.46 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 518 | AC | 7 | 4.20 | 0.028 | 20.00 | 0.0 | 8.59 | 20.00 | 0.00 | 0.91 | 0.34 | 0.20 | 1.45 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 519 | AC | 7 | 4.10 | 0.028 | 20.00 | 0.0 | 8.60 | 19.90 | 0.00 | 0.91 | 0.34 | 0.20 | 1.44 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 520 | AC | 7 | 4.00 | 0.028 | 20.00 | 0.0 | 8.60 | 19.80 | 0.00 | 0.91 | 0.33 | 0.19 | 1.44 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 521 | AC | 7 | 3.90 | 0.028 | 20.00 | 0.0 | 8.60 | 19.70 | 0.00 | 0.91 | 0.33 | 0.19 | 1.43 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 522 | AC | 7 | 3.80 | 0.028 | 20.00 | 0.0 | 8.61 | 19.60 | 0.00 | 0.91 | 0.32 | 0.19 | 1.42 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 523 | AC | 7 | 3.70 | 0.028 | 20.00 | 0.0 | 8.61 | 19.50 | 0.00 | 0.91 | 0.32 | 0.19 | 1.42 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 524 | AC | 7 | 3.60 | 0.028 | 20.00 | 0.0 | 8.62 | 19.41 | 0.00 | 0.91 | 0.31 | 0.19 | 1.41 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 525 | AC | 7 | 3.50 | 0.028 | 20.00 | 0.0 | 8.62 | 19.31 | 0.00 | 0.90 | 0.31 | 0.19 | 1.40 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 526 | AC | 7 | 3.40 | 0.028 | 20.00 | 0.0 | 8.63 | 19.21 | 0.00 | 0.90 | 0.31 | 0.19 | 1.40 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 527 | AC | 7 | 3.30 | 0.028 | 20.00 | 0.0 | 8.63 | 19.11 | 0.00 | 0.90 | 0.30 | 0.18 | 1.39 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 528 | AC | 7 | 3.20 | 0.028 | 20.00 | 0.0 | 8.63 | 19.02 | 0.00 | 0.90 | 0.30 | 0.18 | 1.38 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 529 | AC | 7 | 3.10 | 0.028 | 20.00 | 0.0 | 8.64 | 18.92 | 0.00 | 0.90 | 0.29 | 0.18 | 1.38 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 530 | AC | 7 | 3.00 | 0.028 | 20.00 | 0.0 | 8.64 | 18.83 | 0.00 | 0.90 | 0.29 | 0.18 | 1.37 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 531 | AC | 7 | 2.90 | 0.028 | 20.00 | 0.0 | 8.64 | 18.73 | 0.00 | 0.90 | 0.29 | 0.18 | 1.36 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 532 | AC | 7 | 2.80 | 0.028 | 20.00 | 0.0 | 8.65 | 18.64 | 0.00 | 0.90 | 0.28 | 0.17 | 1.36 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 533 | AC | 7 | 2.70 | 0.028 | 20.00 | 0.0 | 8.65 | 18.54 | 0.00 | 0.90 | 0.28 | 0.17 | 1.35 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| WASTELOAD # 534 (LAG540662) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 534 | AC | 7 | 2.60 | 0.028 | 20.00 | 0.0 | 8.65 | 18.44 | 0.00 | 0.90 | 0.27 | 0.17 | 1.34 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 535 | AC | 7 | 2.50 | 0.028 | 20.00 | 0.0 | 8.65 | 18.35 | 0.00 | 0.90 | 0.27 | 0.17 | 1.34 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 536 | AC | 7 | 2.40 | 0.028 | 20.00 | 0.0 | 8.66 | 18.25 | 0.00 | 0.90 | 0.27 | 0.17 | 1.33 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 537 | AC | 7 | 2.30 | 0.028 | 20.00 | 0.0 | 8.66 | 18.16 | 0.00 | 0.89 | 0.26 | 0.17 | 1.32 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 538 | AC | 7 | 2.20 | 0.028 | 20.00 | 0.0 | 8.66 | 18.07 | 0.00 | 0.89 | 0.26 | 0.16 | 1.32 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 539 | AC | 7 | 2.10 | 0.028 | 20.00 | 0.0 | 8.67 | 17.98 | 0.00 | 0.89 | 0.26 | 0.16 | 1.31 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 540 | AC | 7 | 2.00 | 0.028 | 20.00 | 0.0 | 8.67 | 17.89 | 0.00 | 0.89 | 0.25 | 0.16 | 1.30 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 541 | AC | 7 | 1.90 | 0.028 | 20.00 | 0.0 | 8.67 | 17.80 | 0.00 | 0.89 | 0.25 | 0.16 | 1.30 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 542 | AC | 7 | 1.80 | 0.028 | 20.00 | 0.0 | 8.67 | 17.71 | 0.00 | 0.89 | 0.25 | 0.15 | 1.29 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 543 | AC | 7 | 1.70 | 0.028 | 20.00 | 0.0 | 8.68 | 17.62 | 0.00 | 0.89 | 0.24 | 0.15 | 1.29 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 544 | AC | 7 | 1.60 | 0.028 | 20.00 | 0.0 | 8.68 | 17.53 | 0.00 | 0.89 | 0.24 | 0.15 | 1.28 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 545 | AC | 7 | 1.50 | 0.028 | 20.00 | 0.0 | 8.68 | 17.45 | 0.00 | 0.89 | 0.24 | 0.15 | 1.27 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.977 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| WASTELOAD # 546 (LAG531467) ENTERS HERE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 546 | AC | 7 | 1.40 | 0.029 | 20.00 | 0.0 | 8.59 | 18.10 | 0.00 | 0.95 | 0.37 | 0.17 | 1.50 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 547 | AC | 7 | 1.30 | 0.029 | 20.00 | 0.0 | 8.60 | 18.02 | 0.00 | 0.95 | 0.37 | 0.17 | 1.49 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 548 | AC | 7 | 1.20 | 0.029 | 20.00 | 0.0 | 8.61 | 17.93 | 0.00 | 0.95 | 0.36 | 0.17 | 1.48 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 549 | AC | 7 | 1.10 | 0.029 | 20.00 | 0.0 | 8.61 | 17.84 | 0.00 | 0.94 | 0.36 | 0.17 | 1.48 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 550 | AC | 7 | 1.00 | 0.029 | 20.00 | 0.0 | 8.62 | 17.75 | 0.00 | 0.94 | 0.35 | 0.17 | 1.47 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 551 | AC | 7 | 0.90 | 0.029 | 20.00 | 0.0 | 8.62 | 17.66 | 0.00 | 0.94 | 0.35 | 0.17 | 1.46 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 552 | AC | 7 | 0.80 | 0.029 | 20.00 | 0.0 | 8.63 | 17.57 | 0.00 | 0.94 | 0.35 | 0.17 | 1.46 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 553 | AC | 7 | 0.70 | 0.029 | 20.00 | 0.0 | 8.63 | 17.49 | 0.00 | 0.94 | 0.34 | 0.17 | 1.45 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 554 | AC | 7 | 0.60 | 0.029 | 20.00 | 0.0 | 8.64 | 17.40 | 0.00 | 0.94 | 0.34 | 0.17 | 1.44 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 555 | AC | 7 | 0.50 | 0.029 | 20.00 | 0.0 | 8.64 | 17.31 | 0.00 | 0.94 | 0.33 | 0.17 | 1.44 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 556 | AC | 7 | 0.40 | 0.029 | 20.00 | 0.0 | 8.65 | 17.23 | 0.00 | 0.94 | 0.33 | 0.16 | 1.43 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 557 | AC | 7 | 0.30 | 0.029 | 20.00 | 0.0 | 8.65 | 17.14 | 0.00 | 0.94 | 0.32 | 0.16 | 1.42 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |

CAPSULE SUMMARY FOR Arnold's Creek

| IOR | REACH | DIST km | FLOW m³/s | TEMP deg C | SALN ppt | DO mg/L | BOD1 mg/L | BOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | ORG-P mg/L | PO4-P mg/L | CHLA µg/L | DISP m²/s | DEPTH m | WIDTH m | ADVEC VELO m/s | MEAN VELO m/s | DO SAT mg/L | REAER RATE 1/da | BOD1 DECA 1/da | BOD1 SETT 1/da | BOD2 DECA 1/da | BOD2 SETT 1/da | NH3 DECA 1/da | SOD g/m²/d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 558 | AC 7 | 0.20 | 0.029 | 20.00 | 0.0 | 8.65 | 17.06 | 0.00 | 0.94 | 0.32 | 0.16 | 1.42 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 559 | AC 7 | 0.10 | 0.029 | 20.00 | 0.0 | 8.66 | 16.97 | 0.00 | 0.94 | 0.31 | 0.16 | 1.41 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |
| 560 | AC 7 | 0.00 | 0.029 | 20.00 | 0.0 | 8.66 | 16.89 | 0.00 | 0.94 | 0.31 | 0.16 | 1.41 | 0.00 | 0.00 | 22.0 | 0.0 | 0.43 | 5.2 | 0.013 | 0.013 | 9.092 | 1.979 | 0.03 | 0.02 | 0.00 | 0.00 | 0.18 | 0.50 |

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 1 Pontchatoula (Head to PTS) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDWTR | 0.02830 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 15.84 | 0.00 | 16.00 | 0.00 | 1.29 | 0.30 | 0.07 | 0.00 | 1.50 | 0.00 | 0.00 |
| 21 | WSTLD | 0.00004 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | WSTLD | 0.00120 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 71.50 | 0.00 | 71.50 | 0.00 | 5.20 | 10.36 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | WSTLD | 0.00120 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 71.50 | 0.00 | 71.50 | 0.00 | 5.20 | 10.36 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | WSTLD | 0.00105 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.60 | 40.50 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.05 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 2 | 40.50 | 40.40 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.10 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 3 | 40.40 | 40.30 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.15 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 4 | 40.30 | 40.20 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.20 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 5 | 40.20 | 40.10 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.26 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 6 | 40.10 | 40.00 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.31 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 7 | 40.00 | 39.90 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.36 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 8 | 39.90 | 39.80 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.41 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 9 | 39.80 | 39.70 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.46 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 10 | 39.70 | 39.60 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.51 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 11 | 39.60 | 39.50 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.56 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 12 | 39.50 | 39.40 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.61 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 13 | 39.40 | 39.30 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.67 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 14 | 39.30 | 39.20 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.72 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 15 | 39.20 | 39.10 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.77 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 16 | 39.10 | 39.00 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.82 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 17 | 39.00 | 38.90 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.87 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 18 | 38.90 | 38.80 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.92 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 19 | 38.80 | 38.70 | 0.02830 | 0.0 | 0.02262 | 0.05 | 0.97 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 20 | 38.70 | 38.60 | 0.02830 | 0.0 | 0.02262 | 0.05 | 1.02 | 0.46 | 2.74 | 125.13 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 21 | 38.60 | 38.50 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.07 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 22 | 38.50 | 38.40 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.13 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 23 | 38.40 | 38.30 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.18 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 24 | 38.30 | 38.20 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.23 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 25 | 38.20 | 38.10 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.28 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 26 | 38.10 | 38.00 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.33 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 27 | 38.00 | 37.90 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.38 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 28 | 37.90 | 37.80 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.43 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 29 | 37.80 | 37.70 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.48 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 30 | 37.70 | 37.60 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.53 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 31 | 37.60 | 37.50 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.59 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 32 | 37.50 | 37.40 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.64 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 33 | 37.40 | 37.30 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.69 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 34 | 37.30 | 37.20 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.74 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 35 | 37.20 | 37.10 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.79 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 36 | 37.10 | 37.00 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.84 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 37 | 37.00 | 36.90 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.89 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 38 | 36.90 | 36.80 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.94 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 39 | 36.80 | 36.70 | 0.02834 | 0.1 | 0.02264 | 0.05 | 1.99 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 40 | 36.70 | 36.60 | 0.02834 | 0.1 | 0.02264 | 0.05 | 2.05 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 41 | 36.60 | 36.50 | 0.02834 | 0.1 | 0.02264 | 0.05 | 2.10 | 0.46 | 2.74 | 125.16 | 274.00 | 1.25 | 0.00 | 0.000 | 0.000 | 0.023 |
| 42 | 36.50 | 36.40 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.15 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 43 | 36.40 | 36.30 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.20 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 36.30 | 36.20 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.24 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 45 | 36.20 | 36.10 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.29 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 46 | 36.10 | 36.00 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.34 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 47 | 36.00 | 35.90 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.39 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 48 | 35.90 | 35.80 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.44 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 49 | 35.80 | 35.70 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.49 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 50 | 35.70 | 35.60 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.54 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 51 | 35.60 | 35.50 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.59 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 52 | 35.50 | 35.40 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.64 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 53 | 35.40 | 35.30 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.69 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 54 | 35.30 | 35.20 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.74 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 55 | 35.20 | 35.10 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.79 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 56 | 35.10 | 35.00 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.84 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 57 | 35.00 | 34.90 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.89 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 58 | 34.90 | 34.80 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.94 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 59 | 34.80 | 34.70 | 0.02954 | 4.2 | 0.02348 | 0.05 | 2.98 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 60 | 34.70 | 34.60 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.03 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 61 | 34.60 | 34.50 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.08 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 62 | 34.50 | 34.40 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.13 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 63 | 34.40 | 34.30 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.18 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 64 | 34.30 | 34.20 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.23 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 65 | 34.20 | 34.10 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.28 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 66 | 34.10 | 34.00 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.33 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 67 | 34.00 | 33.90 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.38 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 68 | 33.90 | 33.80 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.43 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 69 | 33.80 | 33.70 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.48 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 70 | 33.70 | 33.60 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.53 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 71 | 33.60 | 33.50 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.58 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 72 | 33.50 | 33.40 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.63 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 73 | 33.40 | 33.30 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.67 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 74 | 33.30 | 33.20 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.72 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 75 | 33.20 | 33.10 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.77 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 76 | 33.10 | 33.00 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.82 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 77 | 33.00 | 32.90 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.87 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 78 | 32.90 | 32.80 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.92 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 79 | 32.80 | 32.70 | 0.02954 | 4.2 | 0.02348 | 0.05 | 3.97 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 80 | 32.70 | 32.60 | 0.02954 | 4.2 | 0.02348 | 0.05 | 4.02 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 81 | 32.60 | 32.50 | 0.02954 | 4.2 | 0.02348 | 0.05 | 4.07 | 0.46 | 2.74 | 125.82 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.023 |
| 82 | 32.50 | 32.40 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.12 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 83 | 32.40 | 32.30 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.16 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 84 | 32.30 | 32.20 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.21 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 85 | 32.20 | 32.10 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.26 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 86 | 32.10 | 32.00 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.31 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 87 | 32.00 | 31.90 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.35 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 88 | 31.90 | 31.80 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.40 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 89 | 31.80 | 31.70 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.45 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 90 | 31.70 | 31.60 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.50 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 91 | 31.60 | 31.50 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.55 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 92 | 31.50 | 31.40 | 0.03074 | 7.9 | 0.02431 | 0.05 | 4.59 | 0.46 | 2.74 | 126.46 | 274.00 | 1.26 | 0.00 | 0.000 | 0.000 | 0.024 |
| 93 | 31.40 | 31.30 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.64 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 94 | 31.30 | 31.20 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.69 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 95 | 31.20 | 31.10 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.73 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 96 | 31.10 | 31.00 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.78 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 97 | 31.00 | 30.90 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.82 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 98 | 30.90 | 30.80 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.87 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 99 | 30.80 | 30.70 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.92 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 100 | 30.70 | 30.60 | 0.03179 | 11.0 | 0.02503 | 0.05 | 4.96 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 101 | 30.60 | 30.50 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.01 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 102 | 30.50 | 30.40 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.06 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 103 | 30.40 | 30.30 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.10 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 104 | 30.30 | 30.20 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.15 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 105 | 30.20 | 30.10 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.19 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 106 | 30.10 | 30.00 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.24 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 107 | 30.00 | 29.90 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.29 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 108 | 29.90 | 29.80 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.33 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 109 | 29.80 | 29.70 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.38 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 110 | 29.70 | 29.60 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.42 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 111 | 29.60 | 29.50 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.47 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 112 | 29.50 | 29.40 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.52 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 113 | 29.40 | 29.30 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.56 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 114 | 29.30 | 29.20 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.61 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 115 | 29.20 | 29.10 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.66 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 116 | 29.10 | 29.00 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.70 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 117 | 29.00 | 28.90 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.75 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 118 | 28.90 | 28.80 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.79 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 119 | 28.80 | 28.70 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.84 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 120 | 28.70 | 28.60 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.89 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 121 | 28.60 | 28.50 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.93 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| 122 | 28.50 | 28.40 | 0.03179 | 11.0 | 0.02503 | 0.05 | 5.98 | 0.46 | 2.74 | 127.01 | 274.00 | 1.27 | 0.00 | 0.000 | 0.000 | 0.025 |
| TOT | | | | | | 5.98 | | | | 15365.13 | 33428.00 | | | | | |
| AVG | | | | | 0.0236 | | | 0.46 | 2.74 | | | 1.26 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | 40.400 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 40.300 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | 40.200 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 40.100 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6 | 40.000 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7 | 39.900 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8 | 39.800 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 39.700 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 39.600 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | 39.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 39.400 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 | 39.300 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14 | 39.200 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15 | 39.100 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 39.000 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 38.900 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 38.800 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 38.700 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 38.600 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 38.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 38.400 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 38.300 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 38.200 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 38.100 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 38.000 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27 | 37.900 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 37.800 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29 | 37.700 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 37.600 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31 | 37.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 37.400 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 33 | 37.300 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 34 | 37.200 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 37.100 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 36 | 37.000 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | 36.900 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | 36.800 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 39 | 36.700 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 36.600 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 41 | 36.500 | 9.09 | 2.16 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42 | 36.400 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 43 | 36.300 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 44 | 36.200 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 36.100 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 46 | 36.000 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 47 | 35.900 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 48 | 35.800 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 49 | 35.700 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50 | 35.600 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 51 | 35.500 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 52 | 35.400 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 53 | 35.300 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 54 | 35.200 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55 | 35.100 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 56 | 35.000 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 57 | 34.900 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 58 | 34.800 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 34.700 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 34.600 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 61 | 34.500 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 62 | 34.400 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 63 | 34.300 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 64 | 34.200 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65 | 34.100 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 66 | 34.000 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 33.900 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 68 | 33.800 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 69 | 33.700 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70 | 33.600 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 71 | 33.500 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 72 | 33.400 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 73 | 33.300 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74 | 33.200 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75 | 33.100 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 76 | 33.000 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77 | 32.900 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 78 | 32.800 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 79 | 32.700 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80 | 32.600 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 81 | 32.500 | 9.09 | 2.18 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 82 | 32.400 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 83 | 32.300 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 84 | 32.200 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85 | 32.100 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 86 | 32.000 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87 | 31.900 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 88 | 31.800 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 89 | 31.700 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 31.600 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 91 | 31.500 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92 | 31.400 | 9.09 | 2.19 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93 | 31.300 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94 | 31.200 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 31.100 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96 | 31.000 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97 | 30.900 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98 | 30.800 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99 | 30.700 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 30.600 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 30.500 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 30.400 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 30.300 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 30.200 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 30.100 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 30.000 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 29.900 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 29.800 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 29.700 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 29.600 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 29.500 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 29.400 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 29.300 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 29.200 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 29.100 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 29.000 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 28.900 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 28.800 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 28.700 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 28.600 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 28.500 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 28.400 | 9.09 | 2.20 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.18 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NCM | ENDING | TEMP | SALN | CM-1 | CM-2 | DO | BOD1 | BOD2 | EBOD1 | EBOD2 | ORG-N | NH3-N | NO3-N | TOT-N | EORG-N | ETOT-N | ORG-P | PO4-P | TOT-P | EORG-P | ETOT-P | CHL A | PERIP | COLI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| NO. | DIST | deg C | ppt | | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | µg/L | g/m² | #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.04 | 15.80 | 0.00 | 15.96 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 40.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.22 | 15.75 | 0.00 | 15.91 | 0.00 | 1.28 | 0.30 | 0.07 | 1.65 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 40.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.38 | 15.71 | 0.00 | 15.87 | 0.00 | 1.28 | 0.29 | 0.08 | 1.65 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 40.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.52 | 15.67 | 0.00 | 15.83 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 40.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.65 | 15.63 | 0.00 | 15.79 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 40.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.76 | 15.58 | 0.00 | 15.74 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 39.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 15.54 | 0.00 | 15.70 | 0.00 | 1.27 | 0.29 | 0.08 | 1.64 | 1.29 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 39.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.96 | 15.50 | 0.00 | 15.66 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 39.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.05 | 15.46 | 0.00 | 15.62 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 39.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.12 | 15.41 | 0.00 | 15.57 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 39.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.19 | 15.37 | 0.00 | 15.53 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 39.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.25 | 15.33 | 0.00 | 15.49 | 0.00 | 1.27 | 0.28 | 0.09 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 39.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.31 | 15.29 | 0.00 | 15.45 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 39.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.36 | 15.25 | 0.00 | 15.41 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 39.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.41 | 15.20 | 0.00 | 15.36 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 39.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.45 | 15.16 | 0.00 | 15.32 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 38.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 15.12 | 0.00 | 15.28 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 38.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 15.08 | 0.00 | 15.24 | 0.00 | 1.27 | 0.27 | 0.10 | 1.64 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 38.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 15.04 | 0.00 | 15.20 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 38.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 15.00 | 0.00 | 15.16 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 1.28 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 38.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 14.93 | 0.00 | 15.09 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 1.27 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 38.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 14.89 | 0.00 | 15.05 | 0.00 | 1.26 | 0.26 | 0.11 | 1.63 | 1.27 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 38.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 14.85 | 0.00 | 15.01 | 0.00 | 1.26 | 0.26 | 0.12 | 1.63 | 1.27 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 38.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 14.81 | 0.00 | 14.97 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 38.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 14.77 | 0.00 | 14.93 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 38.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 14.73 | 0.00 | 14.89 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 37.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 14.69 | 0.00 | 14.85 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 37.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 14.65 | 0.00 | 14.81 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 37.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.61 | 0.00 | 14.77 | 0.00 | 1.26 | 0.25 | 0.12 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 37.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.74 | 14.57 | 0.00 | 14.73 | 0.00 | 1.26 | 0.24 | 0.13 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 37.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.75 | 14.53 | 0.00 | 14.69 | 0.00 | 1.26 | 0.24 | 0.13 | 1.63 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 37.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.76 | 14.48 | 0.00 | 14.65 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 37.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.77 | 14.44 | 0.00 | 14.60 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 37.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.77 | 14.40 | 0.00 | 14.56 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 37.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.78 | 14.36 | 0.00 | 14.52 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.27 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 37.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.79 | 14.32 | 0.00 | 14.48 | 0.00 | 1.25 | 0.24 | 0.13 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 36.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.79 | 14.28 | 0.00 | 14.44 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 36.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.80 | 14.25 | 0.00 | 14.41 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 36.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.80 | 14.21 | 0.00 | 14.37 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 36.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.81 | 14.17 | 0.00 | 14.33 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 36.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.81 | 14.13 | 0.00 | 14.29 | 0.00 | 1.25 | 0.23 | 0.14 | 1.62 | 1.26 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 36.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.41 | 0.00 | 16.57 | 0.00 | 1.41 | 0.63 | 0.22 | 2.26 | 1.42 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 36.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 16.37 | 0.00 | 16.53 | 0.00 | 1.41 | 0.63 | 0.22 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 36.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.57 | 16.32 | 0.00 | 16.48 | 0.00 | 1.41 | 0.62 | 0.23 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 36.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 16.28 | 0.00 | 16.44 | 0.00 | 1.41 | 0.62 | 0.23 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 36.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 16.23 | 0.00 | 16.39 | 0.00 | 1.41 | 0.62 | 0.24 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 35.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 16.19 | 0.00 | 16.35 | 0.00 | 1.41 | 0.61 | 0.24 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 35.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 16.14 | 0.00 | 16.30 | 0.00 | 1.40 | 0.61 | 0.24 | 2.26 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 35.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 16.10 | 0.00 | 16.26 | 0.00 | 1.40 | 0.60 | 0.25 | 2.25 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 35.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 16.05 | 0.00 | 16.21 | 0.00 | 1.40 | 0.60 | 0.25 | 2.25 | 1.42 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 35.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 16.01 | 0.00 | 16.17 | 0.00 | 1.40 | 0.59 | 0.26 | 2.25 | 1.42 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 35.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 15.97 | 0.00 | 16.13 | 0.00 | 1.40 | 0.59 | 0.26 | 2.25 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 35.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 15.92 | 0.00 | 16.08 | 0.00 | 1.40 | 0.58 | 0.26 | 2.25 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 35.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 15.88 | 0.00 | 16.04 | 0.00 | 1.40 | 0.58 | 0.27 | 2.25 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 35.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 15.83 | 0.00 | 15.99 | 0.00 | 1.40 | 0.57 | 0.27 | 2.24 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 35.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 15.79 | 0.00 | 15.95 | 0.00 | 1.40 | 0.57 | 0.27 | 2.24 | 1.41 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 34.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 15.74 | 0.00 | 15.90 | 0.00 | 1.40 | 0.57 | 0.28 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 34.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 15.70 | 0.00 | 15.86 | 0.00 | 1.40 | 0.56 | 0.28 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 34.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 15.66 | 0.00 | 15.82 | 0.00 | 1.40 | 0.56 | 0.28 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 34.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 15.61 | 0.00 | 15.77 | 0.00 | 1.40 | 0.55 | 0.29 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 34.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 15.57 | 0.00 | 15.73 | 0.00 | 1.40 | 0.55 | 0.29 | 2.24 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 34.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 15.52 | 0.00 | 15.68 | 0.00 | 1.39 | 0.54 | 0.29 | 2.23 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 34.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 15.48 | 0.00 | 15.64 | 0.00 | 1.39 | 0.54 | 0.30 | 2.23 | 1.41 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 34.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 15.44 | 0.00 | 15.60 | 0.00 | 1.39 | 0.54 | 0.30 | 2.23 | 1.41 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 34.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 15.39 | 0.00 | 15.55 | 0.00 | 1.39 | 0.53 | 0.30 | 2.23 | 1.41 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 34.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 15.35 | 0.00 | 15.51 | 0.00 | 1.39 | 0.53 | 0.31 | 2.23 | 1.40 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 33.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 15.31 | 0.00 | 15.47 | 0.00 | 1.39 | 0.52 | 0.31 | 2.23 | 1.40 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 33.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 15.26 | 0.00 | 15.42 | 0.00 | 1.39 | 0.52 | 0.31 | 2.22 | 1.40 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 33.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 15.22 | 0.00 | 15.38 | 0.00 | 1.39 | 0.52 | 0.32 | 2.22 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 33.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 15.18 | 0.00 | 15.34 | 0.00 | 1.39 | 0.51 | 0.32 | 2.22 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 33.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 15.13 | 0.00 | 15.29 | 0.00 | 1.39 | 0.51 | 0.32 | 2.22 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 33.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 15.09 | 0.00 | 15.25 | 0.00 | 1.39 | 0.50 | 0.32 | 2.22 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | 33.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 15.05 | 0.00 | 15.21 | 0.00 | 1.39 | 0.50 | 0.33 | 2.21 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | 33.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 15.00 | 0.00 | 15.16 | 0.00 | 1.39 | 0.50 | 0.33 | 2.21 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 33.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 14.96 | 0.00 | 15.12 | 0.00 | 1.39 | 0.49 | 0.33 | 2.21 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 33.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 14.92 | 0.00 | 15.08 | 0.00 | 1.39 | 0.49 | 0.33 | 2.21 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 32.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.88 | 0.00 | 15.04 | 0.00 | 1.38 | 0.49 | 0.34 | 2.21 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 32.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.83 | 0.00 | 14.99 | 0.00 | 1.38 | 0.48 | 0.34 | 2.21 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 32.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.79 | 0.00 | 14.95 | 0.00 | 1.38 | 0.48 | 0.34 | 2.20 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 32.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.75 | 0.00 | 14.91 | 0.00 | 1.38 | 0.48 | 0.34 | 2.20 | 1.40 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 32.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.73 | 14.71 | 0.00 | 14.87 | 0.00 | 1.38 | 0.47 | 0.35 | 2.20 | 1.39 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 32.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 16.88 | 0.00 | 17.04 | 0.00 | 1.53 | 0.85 | 0.42 | 2.80 | 1.54 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | 32.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.49 | 16.83 | 0.00 | 16.99 | 0.00 | 1.53 | 0.84 | 0.42 | 2.80 | 1.54 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | 32.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 16.78 | 0.00 | 16.94 | 0.00 | 1.53 | 0.84 | 0.43 | 2.79 | 1.54 | 2.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 32.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 16.73 | 0.00 | 16.89 | 0.00 | 1.53 | 0.83 | 0.43 | 2.79 | 1.54 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | 32.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 16.69 | 0.00 | 16.85 | 0.00 | 1.53 | 0.83 | 0.44 | 2.79 | 1.54 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | 31.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 16.64 | 0.00 | 16.80 | 0.00 | 1.53 | 0.82 | 0.44 | 2.79 | 1.54 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | 31.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 16.59 | 0.00 | 16.75 | 0.00 | 1.53 | 0.81 | 0.44 | 2.78 | 1.54 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | 31.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 16.55 | 0.00 | 16.71 | 0.00 | 1.53 | 0.81 | 0.45 | 2.78 | 1.54 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 31.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.50 | 0.00 | 16.66 | 0.00 | 1.52 | 0.80 | 0.45 | 2.78 | 1.54 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | 31.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 16.45 | 0.00 | 16.61 | 0.00 | 1.52 | 0.79 | 0.46 | 2.78 | 1.54 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 31.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 16.41 | 0.00 | 16.57 | 0.00 | 1.52 | 0.79 | 0.46 | 2.77 | 1.54 | 2.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 31.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.36 | 18.09 | 0.00 | 18.25 | 0.00 | 1.64 | 1.08 | 0.52 | 3.24 | 1.65 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 31.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.37 | 18.04 | 0.00 | 18.20 | 0.00 | 1.64 | 1.08 | 0.53 | 3.24 | 1.65 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 31.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.39 | 17.99 | 0.00 | 18.15 | 0.00 | 1.64 | 1.07 | 0.53 | 3.24 | 1.65 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 31.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.40 | 17.94 | 0.00 | 18.10 | 0.00 | 1.63 | 1.06 | 0.54 | 3.23 | 1.65 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 30.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.41 | 17.89 | 0.00 | 18.05 | 0.00 | 1.63 | 1.05 | 0.54 | 3.23 | 1.65 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 30.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.42 | 17.84 | 0.00 | 18.00 | 0.00 | 1.63 | 1.04 | 0.55 | 3.23 | 1.65 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 30.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.43 | 17.79 | 0.00 | 17.95 | 0.00 | 1.63 | 1.04 | 0.56 | 3.23 | 1.65 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 30.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.44 | 17.74 | 0.00 | 17.91 | 0.00 | 1.63 | 1.03 | 0.56 | 3.22 | 1.64 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | 30.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.44 | 17.70 | 0.00 | 17.86 | 0.00 | 1.63 | 1.02 | 0.57 | 3.22 | 1.64 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | 30.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.45 | 17.65 | 0.00 | 17.81 | 0.00 | 1.63 | 1.01 | 0.57 | 3.22 | 1.64 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | 30.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.46 | 17.60 | 0.00 | 17.76 | 0.00 | 1.63 | 1.01 | 0.58 | 3.21 | 1.64 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | 30.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.47 | 17.55 | 0.00 | 17.71 | 0.00 | 1.63 | 1.00 | 0.58 | 3.21 | 1.64 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | 30.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.47 | 17.50 | 0.00 | 17.66 | 0.00 | 1.63 | 0.99 | 0.59 | 3.21 | 1.64 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 106 | 30.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 17.45 | 0.00 | 17.61 | 0.00 | 1.63 | 0.98 | 0.60 | 3.21 | 1.64 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 107 | 29.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 17.40 | 0.00 | 17.56 | 0.00 | 1.63 | 0.98 | 0.60 | 3.20 | 1.64 | 3.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 108 | 29.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.49 | 17.35 | 0.00 | 17.51 | 0.00 | 1.63 | 0.97 | 0.61 | 3.20 | 1.64 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 109 | 29.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 17.30 | 0.00 | 17.46 | 0.00 | 1.63 | 0.96 | 0.61 | 3.20 | 1.64 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | 29.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 17.25 | 0.00 | 17.41 | 0.00 | 1.62 | 0.95 | 0.62 | 3.19 | 1.64 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 111 | 29.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 17.20 | 0.00 | 17.36 | 0.00 | 1.62 | 0.95 | 0.62 | 3.19 | 1.64 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 112 | 29.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 17.15 | 0.00 | 17.31 | 0.00 | 1.62 | 0.94 | 0.63 | 3.19 | 1.64 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 113 | 29.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 17.10 | 0.00 | 17.26 | 0.00 | 1.62 | 0.93 | 0.63 | 3.18 | 1.63 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 114 | 29.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 17.05 | 0.00 | 17.21 | 0.00 | 1.62 | 0.93 | 0.63 | 3.18 | 1.63 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 115 | 29.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 17.00 | 0.00 | 17.16 | 0.00 | 1.62 | 0.92 | 0.64 | 3.18 | 1.63 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 116 | 29.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 16.96 | 0.00 | 17.12 | 0.00 | 1.62 | 0.91 | 0.64 | 3.18 | 1.63 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 117 | 28.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 16.91 | 0.00 | 17.07 | 0.00 | 1.62 | 0.91 | 0.65 | 3.17 | 1.63 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 118 | 28.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 16.86 | 0.00 | 17.02 | 0.00 | 1.62 | 0.90 | 0.65 | 3.17 | 1.63 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 119 | 28.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 16.81 | 0.00 | 16.97 | 0.00 | 1.62 | 0.89 | 0.66 | 3.17 | 1.63 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 120 | 28.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.76 | 0.00 | 16.92 | 0.00 | 1.62 | 0.89 | 0.66 | 3.16 | 1.63 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 121 | 28.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.71 | 0.00 | 16.87 | 0.00 | 1.62 | 0.88 | 0.66 | 3.16 | 1.63 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |
| 122 | 28.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.66 | 0.00 | 16.82 | 0.00 | 1.62 | 0.87 | 0.67 | 3.16 | 1.63 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 2 | 40.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 3 | 40.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 4 | 40.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 5 | 40.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 6 | 40.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 7 | 39.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 8 | 39.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 9 | 39.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 10 | 39.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 11 | 39.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 12 | 39.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 13 | 39.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 14 | 39.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 15 | 39.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 16 | 39.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 17 | 38.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 18 | 38.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 19 | 38.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 | 38.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 21 | 38.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 22 | 38.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 23 | 38.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 24 | 38.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 25 | 38.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 26 | 38.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 27 | 37.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 28 | 37.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 29 | 37.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 30 | 37.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 31 | 37.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 32 | 37.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 33 | 37.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 34 | 37.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 35 | 37.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 36 | 37.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 37 | 36.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 38 | 36.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 39 | 36.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 40 | 36.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 41 | 36.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 42 | 36.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43 | 36.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 44 | 36.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 45 | 36.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 46 | 36.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 47 | 35.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 48 | 35.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 49 | 35.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 50 | 35.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 51 | 35.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 52 | 35.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 53 | 35.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 54 | 35.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 55 | 35.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 56 | 35.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 57 | 34.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 58 | 34.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 59 | 34.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 60 | 34.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 61 | 34.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 62 | 34.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 63 | 34.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 64 | 34.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 65 | 34.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 66 | 34.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 67 | 33.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 68 | 33.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 69 | 33.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 70 | 33.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 71 | 33.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 72 | 33.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 73 | 33.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 74 | 33.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 75 | 33.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 76 | 33.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 77 | 32.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 78 | 32.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 79 | 32.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 80 | 32.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 81 | 32.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 82 | 32.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 83 | 32.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 84 | 32.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 85 | 32.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 86 | 32.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 87 | 31.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 88 | 31.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 89 | 31.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 90 | 31.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 91 | 31.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 92 | 31.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 93 | 31.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 94 | 31.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 95 | 31.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 96 | 31.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 97 | 30.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 98 | 30.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 99 | 30.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 100 | 30.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 101 | 30.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 102 | 30.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 103 | 30.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 104 | 30.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 105 | 30.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 106 | 30.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 107 | 29.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 108 | 29.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 109 | 29.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 110 | 29.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 111 | 29.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 112 | 29.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 113 | 29.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 114 | 29.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 115 | 29.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 116 | 29.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | 28.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 118 | 28.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 119 | 28.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 120 | 28.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 121 | 28.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 122 | 28.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 3 Pontchatoula (PTS to YWRC) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | UPR RCH | 0.03179 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 16.66 | 0.00 | 16.82 | 0.00 | 1.62 | 0.87 | 0.67 | 0.00 | 1.50 | 0.00 | 0.00 |
| 203 | TRIB | 0.03602 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 20.82 | 0.00 | 20.98 | 0.00 | 3.66 | 0.49 | 0.24 | 0.00 | 1.50 | 0.00 | 0.00 |
| EACH | INCR | 0.00038 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 8.00 | 0.00 | | | 1.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| 213 | WSTLD | 0.00032 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 74.80 | 0.00 | 74.80 | 0.00 | 5.40 | 10.83 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 220 | WSTLD | 0.00028 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 89.00 | 0.00 | 89.00 | 0.00 | 6.40 | 12.89 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 228 | WSTLD | 0.00003 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 103.50 | 0.00 | 103.50 | 0.00 | 7.50 | 15.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 236 | WSTLD | 0.00244 | 20.00 | 0.00 | 0.00 | 0.00 | 4.30 | 53.70 | 0.00 | 53.70 | 0.00 | 3.90 | 7.78 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 239 | WSTLD | -0.05380 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 18.03 | 0.00 | 22.52 | 0.00 | 2.61 | 0.83 | 0.44 | 0.00 | 42.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.40 | 28.30 | 0.06819 | 16.4 | 0.11337 | 0.01 | 5.99 | 0.18 | 3.35 | 60.15 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.113 |
| 204 | 28.30 | 28.20 | 0.06857 | 16.3 | 0.11392 | 0.01 | 6.00 | 0.18 | 3.35 | 60.19 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.114 |
| 205 | 28.20 | 28.10 | 0.06895 | 16.3 | 0.11447 | 0.01 | 6.01 | 0.18 | 3.35 | 60.23 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.114 |
| 206 | 28.10 | 28.00 | 0.06933 | 16.2 | 0.11503 | 0.01 | 6.02 | 0.18 | 3.35 | 60.28 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.115 |
| 207 | 28.00 | 27.90 | 0.06972 | 16.1 | 0.11558 | 0.01 | 6.03 | 0.18 | 3.35 | 60.32 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.116 |
| 208 | 27.90 | 27.80 | 0.07010 | 16.0 | 0.11613 | 0.01 | 6.04 | 0.18 | 3.35 | 60.36 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.116 |
| 209 | 27.80 | 27.70 | 0.07048 | 15.9 | 0.11668 | 0.01 | 6.05 | 0.18 | 3.35 | 60.40 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.117 |
| 210 | 27.70 | 27.60 | 0.07086 | 15.8 | 0.11723 | 0.01 | 6.06 | 0.18 | 3.35 | 60.45 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.117 |
| 211 | 27.60 | 27.50 | 0.07124 | 15.7 | 0.11778 | 0.01 | 6.07 | 0.18 | 3.35 | 60.49 | 335.00 | 0.60 | 0.00 | 0.000 | 0.000 | 0.118 |
| 212 | 27.50 | 27.40 | 0.07162 | 15.7 | 0.11833 | 0.01 | 6.08 | 0.18 | 3.35 | 60.53 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.118 |
| 213 | 27.40 | 27.30 | 0.07232 | 15.9 | 0.11934 | 0.01 | 6.09 | 0.18 | 3.35 | 60.60 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.119 |
| 214 | 27.30 | 27.20 | 0.07270 | 15.9 | 0.11989 | 0.01 | 6.10 | 0.18 | 3.35 | 60.64 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.120 |
| 215 | 27.20 | 27.10 | 0.07308 | 15.8 | 0.12043 | 0.01 | 6.11 | 0.18 | 3.35 | 60.68 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.120 |
| 216 | 27.10 | 27.00 | 0.07347 | 15.7 | 0.12098 | 0.01 | 6.12 | 0.18 | 3.35 | 60.72 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.121 |
| 217 | 27.00 | 26.90 | 0.07385 | 15.6 | 0.12153 | 0.01 | 6.13 | 0.18 | 3.35 | 60.76 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.122 |
| 218 | 26.90 | 26.80 | 0.07423 | 15.5 | 0.12208 | 0.01 | 6.14 | 0.18 | 3.35 | 60.80 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.122 |
| 219 | 26.80 | 26.70 | 0.07461 | 15.5 | 0.12262 | 0.01 | 6.15 | 0.18 | 3.35 | 60.84 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.123 |
| 220 | 26.70 | 26.60 | 0.07527 | 15.7 | 0.12357 | 0.01 | 6.16 | 0.18 | 3.35 | 60.91 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.124 |
| 221 | 26.60 | 26.50 | 0.07565 | 15.6 | 0.12411 | 0.01 | 6.17 | 0.18 | 3.35 | 60.95 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.124 |
| 222 | 26.50 | 26.40 | 0.07603 | 15.5 | 0.12466 | 0.01 | 6.17 | 0.18 | 3.35 | 60.99 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.125 |
| 223 | 26.40 | 26.30 | 0.07641 | 15.5 | 0.12520 | 0.01 | 6.18 | 0.18 | 3.35 | 61.03 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.125 |
| 224 | 26.30 | 26.20 | 0.07679 | 15.4 | 0.12575 | 0.01 | 6.19 | 0.18 | 3.35 | 61.07 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.126 |
| 225 | 26.20 | 26.10 | 0.07717 | 15.3 | 0.12629 | 0.01 | 6.20 | 0.18 | 3.35 | 61.11 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.126 |
| 226 | 26.10 | 26.00 | 0.07756 | 15.2 | 0.12684 | 0.01 | 6.21 | 0.18 | 3.35 | 61.15 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.127 |
| 227 | 26.00 | 25.90 | 0.07794 | 15.2 | 0.12738 | 0.01 | 6.22 | 0.18 | 3.35 | 61.18 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.127 |
| 228 | 25.90 | 25.80 | 0.07835 | 15.1 | 0.12797 | 0.01 | 6.23 | 0.18 | 3.35 | 61.23 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.128 |
| 229 | 25.80 | 25.70 | 0.07873 | 15.0 | 0.12851 | 0.01 | 6.24 | 0.18 | 3.35 | 61.26 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.129 |
| 230 | 25.70 | 25.60 | 0.07911 | 15.0 | 0.12905 | 0.01 | 6.25 | 0.18 | 3.35 | 61.30 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.129 |
| 231 | 25.60 | 25.50 | 0.07949 | 14.9 | 0.12959 | 0.01 | 6.26 | 0.18 | 3.35 | 61.34 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.130 |
| 232 | 25.50 | 25.40 | 0.07987 | 14.8 | 0.13014 | 0.01 | 6.27 | 0.18 | 3.35 | 61.38 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.130 |
| 233 | 25.40 | 25.30 | 0.08025 | 14.8 | 0.13068 | 0.01 | 6.27 | 0.18 | 3.35 | 61.41 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.131 |
| 234 | 25.30 | 25.20 | 0.08063 | 14.7 | 0.13122 | 0.01 | 6.28 | 0.18 | 3.35 | 61.45 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.131 |
| 235 | 25.20 | 25.10 | 0.08102 | 14.6 | 0.13176 | 0.01 | 6.29 | 0.18 | 3.35 | 61.49 | 335.00 | 0.61 | 0.00 | 0.000 | 0.000 | 0.132 |
| 236 | 25.10 | 25.00 | 0.08384 | 17.0 | 0.13575 | 0.01 | 6.30 | 0.18 | 3.35 | 61.76 | 335.00 | 0.62 | 0.00 | 0.000 | 0.000 | 0.136 |
| 237 | 25.00 | 24.90 | 0.08422 | 17.0 | 0.13629 | 0.01 | 6.31 | 0.18 | 3.35 | 61.79 | 335.00 | 0.62 | 0.00 | 0.000 | 0.000 | 0.136 |
| 238 | 24.90 | 24.80 | 0.08460 | 16.9 | 0.13683 | 0.01 | 6.32 | 0.18 | 3.35 | 61.83 | 335.00 | 0.62 | 0.00 | 0.000 | 0.000 | 0.137 |
| 239 | 24.80 | 24.70 | 0.03118 | 16.8 | 0.05729 | 0.02 | 6.34 | 0.16 | 3.35 | 54.43 | 335.00 | 0.54 | 0.00 | 0.000 | 0.000 | 0.057 |

```
 TOT                                          0.36                          2247.53   12395.00
 AVG                                   0.1197                    0.18    3.35                        0.61

 ********************************************************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS
**********************************************************************************

 ELEM  ENDING   SAT  REAER  BOD1  BOD1 ABOD1  BOD1  BOD2  BOD2 ABOD2  BKGD  FULL  CORR ORG-N ORG-N NH3-N NH3-N DENIT ORG-P ORG-P   PO4 PHYTO PERIP  COLI   NCM   NCM
 NO.     DIST  D.O.   RATE DECAY  SETT DECAY  HYDR DECAY  SETT DECAY   SOD   SOD   SOD  HYDR  SETT DECAY  SRCE  RATE  HYDR  SETT  SRCE  PROD  PROD DECAY DECAY  SETT
                mg/L   1/da  1/da  1/da  1/da  1/da  1/da  1/da  1/da     *     *     *  1/da  1/da  1/da     *  1/da  1/da  1/da     *    **    **  1/da  1/da  1/da

 203   28.300  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.13  0.00  0.00  0.00  0.00
 204   28.200  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.18  0.00  0.00  0.00  0.00
 205   28.100  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.24  0.00  0.00  0.00  0.00
 206   28.000  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.29  0.00  0.00  0.00  0.00
 207   27.900  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.35  0.00  0.00  0.00  0.00
 208   27.800  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.40  0.00  0.00  0.00  0.00
 209   27.700  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.46  0.00  0.00  0.00  0.00
 210   27.600  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.51  0.00  0.00  0.00  0.00
 211   27.500  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.57  0.00  0.00  0.00  0.00
 212   27.400  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.62  0.00  0.00  0.00  0.00
 213   27.300  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.68  0.00  0.00  0.00  0.00
 214   27.200  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.73  0.00  0.00  0.00  0.00
 215   27.100  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.79  0.00  0.00  0.00  0.00
 216   27.000  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.84  0.00  0.00  0.00  0.00
 217   26.900  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.90  0.00  0.00  0.00  0.00
 218   26.800  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.95  0.00  0.00  0.00  0.00
 219   26.700  9.09  10.00  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.01  0.00  0.00  0.00  0.00
 220   26.600  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.06  0.00  0.00  0.00  0.00
 221   26.500  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.11  0.00  0.00  0.00  0.00
 222   26.400  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.17  0.00  0.00  0.00  0.00
 223   26.300  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.22  0.00  0.00  0.00  0.00
 224   26.200  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.28  0.00  0.00  0.00  0.00
 225   26.100  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.33  0.00  0.00  0.00  0.00
 226   26.000  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.39  0.00  0.00  0.00  0.00
 227   25.900  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.44  0.00  0.00  0.00  0.00
 228   25.800  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.50  0.00  0.00  0.00  0.00
 229   25.700  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.55  0.00  0.00  0.00  0.00
 230   25.600  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.61  0.00  0.00  0.00  0.00
 231   25.500  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.66  0.00  0.00  0.00  0.00
 232   25.400  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.72  0.00  0.00  0.00  0.00
 233   25.300  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.77  0.00  0.00  0.00  0.00
 234   25.200  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.83  0.00  0.00  0.00  0.00
 235   25.100  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.88  0.00  0.00  0.00  0.00
 236   25.000  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.94  0.00  0.00  0.00  0.00
 237   24.900  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  1.99  0.00  0.00  0.00  0.00
 238   24.800  9.09  10.00  0.03  0.05  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  2.05  0.00  0.00  0.00  0.00
 239   24.700  9.09   9.12  0.03  0.06  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  2.10  0.00  0.00  0.00  0.00

 AVG 20 DEG C RATE    9.98  0.03  0.00  0.00  0.00  0.00  0.00  0.00  0.00                0.01  0.00  0.18  0.00  0.10  1.55  0.00  1.55              0.00  0.00  0.00

 *   g/m²/d            **   mg/L/day

 ********************************************************************************** WATER QUALITY CONSTITUENT VALUES
**********************************************************************************

 ELEM  ENDING   TEMP  SALN     CM-1     CM-2     DO    BOD1  BOD2  EBOD1 EBOD2  ORG-N  NH3-N  NO3-N  TOT-N EORG-N ETOT-N  ORG-P  PO4-P  TOT-P EORG-P ETOT-P  CHL A   PERIP    COLI
NCM
 NO.     DIST  deg C  ppt                      mg/L  mg/L  mg/L  mg/L  mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L   g/m²  #/100mL

 203   28.300  20.00  0.00     1.00     0.00  8.56  18.79  0.00  19.07  0.00  2.70   0.67   0.44   3.80   2.72   3.83   0.00   0.00   0.00   0.00   0.00    2.6    0.0      0.
0.00
 204   28.200  20.00  0.00     1.00     0.00  8.59  18.71  0.00  19.11  0.00  2.69   0.66   0.44   3.79   2.72   3.82   0.00   0.00   0.00   0.00   0.00    3.7    0.0      0.
0.00
 205   28.100  20.00  0.00     1.00     0.00  8.62  18.64  0.00  19.15  0.00  2.69   0.66   0.44   3.78   2.73   3.82   0.00   0.00   0.00   0.00   0.00    4.8    0.0      0.
0.00
 206   28.000  20.00  0.00     1.00     0.00  8.65  18.56  0.00  19.19  0.00  2.68   0.65   0.43   3.77   2.73   3.82   0.00   0.00   0.00   0.00   0.00    5.9    0.0      0.
0.00
 207   27.900  20.00  0.00     1.00     0.00  8.67  18.49  0.00  19.23  0.00  2.68   0.65   0.43   3.76   2.74   3.82   0.00   0.00   0.00   0.00   0.00    7.0    0.0      0.
0.00
 208   27.800  20.00  0.00     1.00     0.00  8.70  18.41  0.00  19.28  0.00  2.67   0.65   0.43   3.75   2.74   3.82   0.00   0.00   0.00   0.00   0.00    8.1    0.0      0.
0.00
 209   27.700  20.00  0.00     1.00     0.00  8.72  18.34  0.00  19.32  0.00  2.67   0.64   0.43   3.74   2.75   3.82   0.00   0.00   0.00   0.00   0.00    9.2    0.0      0.
0.00
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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 210 | 27.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.74 | 18.27 | 0.00 | 19.36 | 0.00 | 2.66 | 0.64 | 0.43 | 3.73 | 2.75 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.3 | 0.0 | 0.0 | 0.00 |
| 211 | 27.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.76 | 18.20 | 0.00 | 19.41 | 0.00 | 2.66 | 0.64 | 0.43 | 3.72 | 2.76 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.4 | 0.0 | 0.0 | 0.00 |
| 212 | 27.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.77 | 18.13 | 0.00 | 19.46 | 0.00 | 2.66 | 0.63 | 0.42 | 3.71 | 2.76 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.4 | 0.0 | 0.0 | 0.00 |
| 213 | 27.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.76 | 18.31 | 0.00 | 19.75 | 0.00 | 2.66 | 0.67 | 0.43 | 3.77 | 2.78 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.5 | 0.0 | 0.0 | 0.00 |
| 214 | 27.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.78 | 18.24 | 0.00 | 19.80 | 0.00 | 2.66 | 0.67 | 0.43 | 3.76 | 2.78 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.6 | 0.0 | 0.0 | 0.00 |
| 215 | 27.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.79 | 18.17 | 0.00 | 19.85 | 0.00 | 2.65 | 0.67 | 0.43 | 3.75 | 2.79 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.7 | 0.0 | 0.0 | 0.00 |
| 216 | 27.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.81 | 18.10 | 0.00 | 19.90 | 0.00 | 2.65 | 0.66 | 0.42 | 3.74 | 2.79 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.8 | 0.0 | 0.0 | 0.00 |
| 217 | 26.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.82 | 18.03 | 0.00 | 19.95 | 0.00 | 2.65 | 0.66 | 0.42 | 3.73 | 2.80 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.9 | 0.0 | 0.0 | 0.00 |
| 218 | 26.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.84 | 17.96 | 0.00 | 19.99 | 0.00 | 2.64 | 0.65 | 0.42 | 3.72 | 2.80 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 | 0.00 |
| 219 | 26.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.85 | 17.90 | 0.00 | 20.05 | 0.00 | 2.64 | 0.65 | 0.42 | 3.71 | 2.81 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0.0 | 0.00 |
| 220 | 26.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.84 | 18.10 | 0.00 | 20.36 | 0.00 | 2.65 | 0.69 | 0.42 | 3.76 | 2.83 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0.0 | 0.00 |
| 221 | 26.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.85 | 18.03 | 0.00 | 20.41 | 0.00 | 2.64 | 0.69 | 0.42 | 3.75 | 2.83 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.3 | 0.0 | 0.0 | 0.00 |
| 222 | 26.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.86 | 17.96 | 0.00 | 20.46 | 0.00 | 2.64 | 0.68 | 0.42 | 3.74 | 2.84 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.4 | 0.0 | 0.0 | 0.00 |
| 223 | 26.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.87 | 17.90 | 0.00 | 20.52 | 0.00 | 2.63 | 0.68 | 0.42 | 3.73 | 2.84 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.5 | 0.0 | 0.0 | 0.00 |
| 224 | 26.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.88 | 17.84 | 0.00 | 20.57 | 0.00 | 2.63 | 0.68 | 0.42 | 3.72 | 2.85 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.6 | 0.0 | 0.0 | 0.00 |
| 225 | 26.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 17.77 | 0.00 | 20.62 | 0.00 | 2.63 | 0.67 | 0.42 | 3.71 | 2.85 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.7 | 0.0 | 0.0 | 0.00 |
| 226 | 26.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.91 | 17.71 | 0.00 | 20.68 | 0.00 | 2.62 | 0.67 | 0.41 | 3.70 | 2.86 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.8 | 0.0 | 0.0 | 0.00 |
| 227 | 25.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.92 | 17.65 | 0.00 | 20.73 | 0.00 | 2.62 | 0.67 | 0.41 | 3.70 | 2.86 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.9 | 0.0 | 0.0 | 0.00 |
| 228 | 25.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.92 | 17.62 | 0.00 | 20.82 | 0.00 | 2.62 | 0.67 | 0.41 | 3.69 | 2.87 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.0 | 0.0 | 0.0 | 0.00 |
| 229 | 25.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.93 | 17.56 | 0.00 | 20.87 | 0.00 | 2.61 | 0.66 | 0.41 | 3.68 | 2.88 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.1 | 0.0 | 0.0 | 0.00 |
| 230 | 25.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.94 | 17.50 | 0.00 | 20.93 | 0.00 | 2.61 | 0.66 | 0.41 | 3.68 | 2.88 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.1 | 0.0 | 0.0 | 0.00 |
| 231 | 25.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.95 | 17.44 | 0.00 | 20.99 | 0.00 | 2.60 | 0.66 | 0.41 | 3.67 | 2.89 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.2 | 0.0 | 0.0 | 0.00 |
| 232 | 25.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 17.38 | 0.00 | 21.05 | 0.00 | 2.60 | 0.65 | 0.40 | 3.66 | 2.89 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.3 | 0.0 | 0.0 | 0.00 |
| 233 | 25.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 17.32 | 0.00 | 21.10 | 0.00 | 2.60 | 0.65 | 0.40 | 3.65 | 2.90 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.4 | 0.0 | 0.0 | 0.00 |
| 234 | 25.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 17.26 | 0.00 | 21.16 | 0.00 | 2.59 | 0.65 | 0.40 | 3.64 | 2.90 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.5 | 0.0 | 0.0 | 0.00 |
| 235 | 25.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 17.20 | 0.00 | 21.22 | 0.00 | 2.59 | 0.64 | 0.40 | 3.63 | 2.91 | 3.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.6 | 0.0 | 0.0 | 0.00 |
| 236 | 25.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.86 | 18.21 | 0.00 | 22.35 | 0.00 | 2.62 | 0.85 | 0.44 | 3.91 | 2.95 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.7 | 0.0 | 0.0 | 0.00 |
| 237 | 24.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.88 | 18.15 | 0.00 | 22.40 | 0.00 | 2.62 | 0.84 | 0.44 | 3.90 | 2.96 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.8 | 0.0 | 0.0 | 0.00 |
| 238 | 24.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.89 | 18.09 | 0.00 | 22.46 | 0.00 | 2.62 | 0.84 | 0.44 | 3.89 | 2.96 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.9 | 0.0 | 0.0 | 0.00 |
| 239 | 24.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 18.03 | 0.00 | 22.52 | 0.00 | 2.61 | 0.83 | 0.44 | 3.88 | 2.97 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 42.0 | 0.0 | 0.0 | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 28.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 204 | 28.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 205 | 28.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 206 | 28.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 207 | 27.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 208 | 27.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 209 | 27.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 210 | 27.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 211 | 27.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 212 | 27.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 213 | 27.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 214 | 27.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 215 | 27.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 216 | 27.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 217 | 26.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 218 | 26.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 219 | 26.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 220 | 26.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 221 | 26.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 222 | 26.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 23.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 223 | 26.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 24.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 224 | 26.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 25.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 225 | 26.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 26.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 226 | 26.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 27.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 227 | 25.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 28.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 228 | 25.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 30.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 229 | 25.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 31.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 230 | 25.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 32.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 231 | 25.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 33.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 232 | 25.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 34.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 233 | 25.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 35.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 234 | 25.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 36.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 235 | 25.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 37.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 236 | 25.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 38.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 237 | 24.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 39.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 238 | 24.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 40.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 239 | 24.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 42.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 4 Pontchatoula (YWRC to EPON) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | UPR RCH | 0.03118 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 18.03 | 0.00 | 22.52 | 0.00 | 2.61 | 0.83 | 0.44 | 0.00 | 42.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00035 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 8.00 | 0.00 | | | 1.85 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | |
| 277 | WSTLD | 0.00079 | 20.00 | 0.00 | 0.00 | 0.00 | 2.30 | 66.90 | 0.00 | 66.90 | 0.00 | 4.90 | 9.70 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.70 | 24.60 | 0.03153 | 16.6 | 0.02341 | 0.05 | 6.39 | 0.44 | 3.08 | 134.69 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.023 |
| 241 | 24.60 | 24.50 | 0.03189 | 16.4 | 0.02364 | 0.05 | 6.44 | 0.44 | 3.08 | 134.89 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.024 |
| 242 | 24.50 | 24.40 | 0.03224 | 16.3 | 0.02387 | 0.05 | 6.48 | 0.44 | 3.08 | 135.08 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.024 |
| 243 | 24.40 | 24.30 | 0.03259 | 16.1 | 0.02409 | 0.05 | 6.53 | 0.44 | 3.08 | 135.26 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.024 |
| 244 | 24.30 | 24.20 | 0.03294 | 15.9 | 0.02432 | 0.05 | 6.58 | 0.44 | 3.08 | 135.45 | 308.00 | 1.35 | 0.00 | 0.000 | 0.000 | 0.024 |
| 245 | 24.20 | 24.10 | 0.03330 | 15.7 | 0.02455 | 0.05 | 6.63 | 0.44 | 3.08 | 135.63 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 246 | 24.10 | 24.00 | 0.03365 | 15.6 | 0.02477 | 0.05 | 6.67 | 0.44 | 3.08 | 135.82 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 247 | 24.00 | 23.90 | 0.03400 | 15.4 | 0.02500 | 0.05 | 6.72 | 0.44 | 3.08 | 136.00 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 248 | 23.90 | 23.80 | 0.03435 | 15.3 | 0.02523 | 0.05 | 6.77 | 0.44 | 3.08 | 136.18 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 249 | 23.80 | 23.70 | 0.03471 | 15.1 | 0.02545 | 0.05 | 6.81 | 0.44 | 3.08 | 136.35 | 308.00 | 1.36 | 0.00 | 0.000 | 0.000 | 0.025 |
| 250 | 23.70 | 23.60 | 0.03506 | 14.9 | 0.02568 | 0.05 | 6.86 | 0.44 | 3.08 | 136.53 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.026 |
| 251 | 23.60 | 23.50 | 0.03541 | 14.8 | 0.02590 | 0.04 | 6.90 | 0.44 | 3.08 | 136.70 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.026 |
| 252 | 23.50 | 23.40 | 0.03576 | 14.7 | 0.02613 | 0.04 | 6.95 | 0.44 | 3.08 | 136.88 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.026 |
| 253 | 23.40 | 23.30 | 0.03612 | 14.5 | 0.02635 | 0.04 | 6.99 | 0.44 | 3.08 | 137.05 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.026 |
| 254 | 23.30 | 23.20 | 0.03647 | 14.4 | 0.02658 | 0.04 | 7.03 | 0.45 | 3.08 | 137.22 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.027 |
| 255 | 23.20 | 23.10 | 0.03682 | 14.2 | 0.02680 | 0.04 | 7.08 | 0.45 | 3.08 | 137.39 | 308.00 | 1.37 | 0.00 | 0.000 | 0.000 | 0.027 |
| 256 | 23.10 | 23.00 | 0.03717 | 14.1 | 0.02702 | 0.04 | 7.12 | 0.45 | 3.08 | 137.56 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.027 |
| 257 | 23.00 | 22.90 | 0.03753 | 14.0 | 0.02725 | 0.04 | 7.16 | 0.45 | 3.08 | 137.72 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.027 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 258 | 22.90 | 22.80 | 0.03788 | 13.8 | 0.02747 | 0.04 | 7.20 | 0.45 | 3.08 | 137.89 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.027 |
| 259 | 22.80 | 22.70 | 0.03823 | 13.7 | 0.02769 | 0.04 | 7.25 | 0.45 | 3.08 | 138.05 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.028 |
| 260 | 22.70 | 22.60 | 0.03858 | 13.6 | 0.02792 | 0.04 | 7.29 | 0.45 | 3.08 | 138.21 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.028 |
| 261 | 22.60 | 22.50 | 0.03894 | 13.5 | 0.02814 | 0.04 | 7.33 | 0.45 | 3.08 | 138.37 | 308.00 | 1.38 | 0.00 | 0.000 | 0.000 | 0.028 |
| 262 | 22.50 | 22.40 | 0.03929 | 13.3 | 0.02836 | 0.04 | 7.37 | 0.45 | 3.08 | 138.53 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.028 |
| 263 | 22.40 | 22.30 | 0.03964 | 13.2 | 0.02858 | 0.04 | 7.41 | 0.45 | 3.08 | 138.69 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 264 | 22.30 | 22.20 | 0.03999 | 13.1 | 0.02880 | 0.04 | 7.45 | 0.45 | 3.08 | 138.85 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 265 | 22.20 | 22.10 | 0.04035 | 13.0 | 0.02902 | 0.04 | 7.49 | 0.45 | 3.08 | 139.00 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 266 | 22.10 | 22.00 | 0.04070 | 12.9 | 0.02925 | 0.04 | 7.53 | 0.45 | 3.08 | 139.16 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 267 | 22.00 | 21.90 | 0.04105 | 12.8 | 0.02947 | 0.04 | 7.57 | 0.45 | 3.08 | 139.31 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.029 |
| 268 | 21.90 | 21.80 | 0.04140 | 12.7 | 0.02969 | 0.04 | 7.61 | 0.45 | 3.08 | 139.46 | 308.00 | 1.39 | 0.00 | 0.000 | 0.000 | 0.030 |
| 269 | 21.80 | 21.70 | 0.04176 | 12.5 | 0.02991 | 0.04 | 7.65 | 0.45 | 3.08 | 139.61 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.030 |
| 270 | 21.70 | 21.60 | 0.04211 | 12.4 | 0.03013 | 0.04 | 7.68 | 0.45 | 3.08 | 139.76 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.030 |
| 271 | 21.60 | 21.50 | 0.04246 | 12.3 | 0.03035 | 0.04 | 7.72 | 0.45 | 3.08 | 139.91 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.030 |
| 272 | 21.50 | 21.40 | 0.04281 | 12.2 | 0.03057 | 0.04 | 7.76 | 0.45 | 3.08 | 140.06 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.031 |
| 273 | 21.40 | 21.30 | 0.04317 | 12.1 | 0.03079 | 0.04 | 7.80 | 0.46 | 3.08 | 140.21 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.031 |
| 274 | 21.30 | 21.20 | 0.04352 | 12.0 | 0.03101 | 0.04 | 7.84 | 0.46 | 3.08 | 140.35 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.031 |
| 275 | 21.20 | 21.10 | 0.04387 | 11.9 | 0.03123 | 0.04 | 7.87 | 0.46 | 3.08 | 140.50 | 308.00 | 1.40 | 0.00 | 0.000 | 0.000 | 0.031 |
| 276 | 21.10 | 21.00 | 0.04422 | 11.8 | 0.03144 | 0.04 | 7.91 | 0.46 | 3.08 | 140.64 | 308.00 | 1.41 | 0.00 | 0.000 | 0.000 | 0.031 |
| 277 | 21.00 | 20.90 | 0.04537 | 13.3 | 0.03215 | 0.04 | 7.95 | 0.46 | 3.08 | 141.10 | 308.00 | 1.41 | 0.00 | 0.000 | 0.000 | 0.032 |
| 278 | 20.90 | 20.80 | 0.04572 | 13.2 | 0.03237 | 0.04 | 7.98 | 0.46 | 3.08 | 141.24 | 308.00 | 1.41 | 0.00 | 0.000 | 0.000 | 0.032 |
| 279 | 20.80 | 20.70 | 0.04607 | 13.1 | 0.03259 | 0.04 | 8.02 | 0.46 | 3.08 | 141.38 | 308.00 | 1.41 | 0.00 | 0.000 | 0.000 | 0.033 |
| TOT | | | | | | 1.68 | | | | 5522.65 | 12320.00 | | | | | |
| AVG | | | | | 0.0276 | | | 0.45 | 3.08 | | | 1.38 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 9.09 | 2.28 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 241 | 24.500 | 9.09 | 2.29 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 242 | 24.400 | 9.09 | 2.29 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 243 | 24.300 | 9.09 | 2.30 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 244 | 24.200 | 9.09 | 2.30 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 24.100 | 9.09 | 2.30 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 246 | 24.000 | 9.09 | 2.31 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 247 | 23.900 | 9.09 | 2.31 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 248 | 23.800 | 9.09 | 2.32 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 249 | 23.700 | 9.09 | 2.32 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 | 23.600 | 9.09 | 2.33 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 251 | 23.500 | 9.09 | 2.33 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 252 | 23.400 | 9.09 | 2.33 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 253 | 23.300 | 9.09 | 2.34 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 254 | 23.200 | 9.09 | 2.34 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 255 | 23.100 | 9.09 | 2.35 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 256 | 23.000 | 9.09 | 2.35 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 257 | 22.900 | 9.09 | 2.36 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 258 | 22.800 | 9.09 | 2.36 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 259 | 22.700 | 9.09 | 2.36 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 260 | 22.600 | 9.09 | 2.37 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 261 | 22.500 | 9.09 | 2.37 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 262 | 22.400 | 9.09 | 2.38 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 263 | 22.300 | 9.09 | 2.38 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 264 | 22.200 | 9.09 | 2.39 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 265 | 22.100 | 9.09 | 2.39 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 266 | 22.000 | 9.09 | 2.39 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 267 | 21.900 | 9.09 | 2.40 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 268 | 21.800 | 9.09 | 2.40 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 269 | 21.700 | 9.09 | 2.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 270 | 21.600 | 9.09 | 2.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 21.500 | 9.09 | 2.42 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 21.400 | 9.09 | 2.42 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 273 | 21.300 | 9.09 | 2.42 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 274 | 21.200 | 9.09 | 2.43 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 275 | 21.100 | 9.09 | 2.43 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 276 | 21.000 | 9.09 | 2.44 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 277 | 20.900 | 9.09 | 2.45 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 278 | 20.800 | 9.09 | 2.46 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 279 | 20.700 | 9.09 | 2.46 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |

AVG 20 DEG C RATE 2.37 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.00 0.18 0.00 0.10 1.55 0.00 1.55 0.00 0.00 0.00

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.94 | 17.87 | 0.00 | 22.25 | 0.00 | 2.60 | 0.82 | 0.43 | 3.86 | 2.95 | 4.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.0 | 0.0 | 0. | 0.00 |
| 241 | 24.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 17.71 | 0.00 | 21.98 | 0.00 | 2.59 | 0.81 | 0.43 | 3.83 | 2.93 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.0 | 0.0 | 0. | 0.00 |
| 242 | 24.400 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 17.55 | 0.00 | 21.72 | 0.00 | 2.58 | 0.79 | 0.43 | 3.80 | 2.92 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.0 | 0.0 | 0. | 0.00 |
| 243 | 24.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.02 | 17.40 | 0.00 | 21.46 | 0.00 | 2.57 | 0.78 | 0.42 | 3.78 | 2.90 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.0 | 0.0 | 0. | 0.00 |
| 244 | 24.200 | 20.00 | 0.00 | 1.00 | 0.00 | 9.04 | 17.25 | 0.00 | 21.20 | 0.00 | 2.57 | 0.77 | 0.42 | 3.75 | 2.88 | 4.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.0 | 0.0 | 0. | 0.00 |
| 245 | 24.100 | 20.00 | 0.00 | 1.00 | 0.00 | 9.05 | 17.10 | 0.00 | 20.95 | 0.00 | 2.56 | 0.76 | 0.41 | 3.73 | 2.86 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.0 | 0.0 | 0. | 0.00 |
| 246 | 24.000 | 20.00 | 0.00 | 1.00 | 0.00 | 9.06 | 16.96 | 0.00 | 20.70 | 0.00 | 2.55 | 0.74 | 0.41 | 3.70 | 2.85 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.0 | 0.0 | 0. | 0.00 |
| 247 | 23.900 | 20.00 | 0.00 | 1.00 | 0.00 | 9.07 | 16.82 | 0.00 | 20.46 | 0.00 | 2.54 | 0.73 | 0.41 | 3.68 | 2.83 | 3.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.0 | 0.0 | 0. | 0.00 |
| 248 | 23.800 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.68 | 0.00 | 20.21 | 0.00 | 2.53 | 0.72 | 0.40 | 3.65 | 2.81 | 3.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.1 | 0.0 | 0. | 0.00 |
| 249 | 23.700 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.55 | 0.00 | 19.97 | 0.00 | 2.52 | 0.71 | 0.40 | 3.63 | 2.80 | 3.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.1 | 0.0 | 0. | 0.00 |
| 250 | 23.600 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.42 | 0.00 | 19.74 | 0.00 | 2.52 | 0.70 | 0.40 | 3.61 | 2.78 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.1 | 0.0 | 0. | 0.00 |
| 251 | 23.500 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.29 | 0.00 | 19.51 | 0.00 | 2.51 | 0.69 | 0.39 | 3.59 | 2.76 | 3.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.1 | 0.0 | 0. | 0.00 |
| 252 | 23.400 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.17 | 0.00 | 19.27 | 0.00 | 2.50 | 0.68 | 0.39 | 3.57 | 2.75 | 3.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.1 | 0.0 | 0. | 0.00 |
| 253 | 23.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.08 | 16.05 | 0.00 | 19.05 | 0.00 | 2.49 | 0.67 | 0.39 | 3.55 | 2.73 | 3.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28.1 | 0.0 | 0. | 0.00 |
| 254 | 23.200 | 20.00 | 0.00 | 1.00 | 0.00 | 9.07 | 15.93 | 0.00 | 18.82 | 0.00 | 2.49 | 0.66 | 0.38 | 3.53 | 2.72 | 3.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.1 | 0.0 | 0. | 0.00 |
| 255 | 23.100 | 20.00 | 0.00 | 1.00 | 0.00 | 9.07 | 15.81 | 0.00 | 18.60 | 0.00 | 2.48 | 0.65 | 0.38 | 3.51 | 2.70 | 3.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.1 | 0.0 | 0. | 0.00 |
| 256 | 23.000 | 20.00 | 0.00 | 1.00 | 0.00 | 9.06 | 15.70 | 0.00 | 18.38 | 0.00 | 2.47 | 0.64 | 0.38 | 3.49 | 2.68 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.1 | 0.0 | 0. | 0.00 |
| 257 | 22.900 | 20.00 | 0.00 | 1.00 | 0.00 | 9.06 | 15.59 | 0.00 | 18.16 | 0.00 | 2.46 | 0.63 | 0.38 | 3.47 | 2.67 | 3.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.1 | 0.0 | 0. | 0.00 |
| 258 | 22.800 | 20.00 | 0.00 | 1.00 | 0.00 | 9.05 | 15.48 | 0.00 | 17.95 | 0.00 | 2.46 | 0.62 | 0.37 | 3.45 | 2.65 | 3.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.1 | 0.0 | 0. | 0.00 |
| 259 | 22.700 | 20.00 | 0.00 | 1.00 | 0.00 | 9.04 | 15.37 | 0.00 | 17.73 | 0.00 | 2.45 | 0.61 | 0.37 | 3.44 | 2.64 | 3.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.1 | 0.0 | 0. | 0.00 |
| 260 | 22.600 | 20.00 | 0.00 | 1.00 | 0.00 | 9.03 | 15.27 | 0.00 | 17.52 | 0.00 | 2.44 | 0.61 | 0.37 | 3.42 | 2.62 | 3.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.1 | 0.0 | 0. | 0.00 |
| 261 | 22.500 | 20.00 | 0.00 | 1.00 | 0.00 | 9.02 | 15.16 | 0.00 | 17.31 | 0.00 | 2.44 | 0.60 | 0.37 | 3.40 | 2.61 | 3.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.1 | 0.0 | 0. | 0.00 |
| 262 | 22.400 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 15.06 | 0.00 | 17.11 | 0.00 | 2.43 | 0.59 | 0.37 | 3.39 | 2.59 | 3.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0. | 0.00 |
| 263 | 22.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 14.96 | 0.00 | 16.90 | 0.00 | 2.43 | 0.58 | 0.36 | 3.37 | 2.58 | 3.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.2 | 0.0 | 0. | 0.00 |
| 264 | 22.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.99 | 14.87 | 0.00 | 16.70 | 0.00 | 2.42 | 0.58 | 0.36 | 3.36 | 2.57 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.2 | 0.0 | 0. | 0.00 |
| 265 | 22.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 14.77 | 0.00 | 16.50 | 0.00 | 2.41 | 0.57 | 0.36 | 3.34 | 2.55 | 3.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.2 | 0.0 | 0. | 0.00 |
| 266 | 22.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 14.68 | 0.00 | 16.30 | 0.00 | 2.41 | 0.56 | 0.36 | 3.33 | 2.54 | 3.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.2 | 0.0 | 0. | 0.00 |
| 267 | 21.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 14.59 | 0.00 | 16.10 | 0.00 | 2.40 | 0.55 | 0.36 | 3.31 | 2.52 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.2 | 0.0 | 0. | 0.00 |
| 268 | 21.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.95 | 14.50 | 0.00 | 15.91 | 0.00 | 2.40 | 0.55 | 0.35 | 3.30 | 2.51 | 3.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.2 | 0.0 | 0. | 0.00 |
| 269 | 21.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.93 | 14.41 | 0.00 | 15.71 | 0.00 | 2.39 | 0.54 | 0.35 | 3.29 | 2.49 | 3.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.2 | 0.0 | 0. | 0.00 |
| 270 | 21.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.92 | 14.32 | 0.00 | 15.52 | 0.00 | 2.39 | 0.53 | 0.35 | 3.27 | 2.48 | 3.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.2 | 0.0 | 0. | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 271 | 21.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.91 | 14.24 | 0.00 | 15.33 | 0.00 | 2.38 | 0.53 | 0.35 | 3.26 | 2.47 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.2 | 0.0 | 0.00 |
| 272 | 21.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.89 | 14.16 | 0.00 | 15.14 | 0.00 | 2.37 | 0.52 | 0.35 | 3.25 | 2.45 | 3.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.2 | 0.0 | 0.00 |
| 273 | 21.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.88 | 14.08 | 0.00 | 14.95 | 0.00 | 2.37 | 0.52 | 0.35 | 3.23 | 2.44 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.2 | 0.0 | 0.00 |
| 274 | 21.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.87 | 14.00 | 0.00 | 14.77 | 0.00 | 2.36 | 0.51 | 0.35 | 3.22 | 2.43 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.2 | 0.0 | 0.00 |
| 275 | 21.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.86 | 13.92 | 0.00 | 14.58 | 0.00 | 2.36 | 0.50 | 0.35 | 3.21 | 2.41 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.2 | 0.0 | 0.00 |
| 276 | 21.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.84 | 13.84 | 0.00 | 14.40 | 0.00 | 2.35 | 0.50 | 0.35 | 3.20 | 2.40 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0.00 |
| 277 | 20.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 14.69 | 0.00 | 15.14 | 0.00 | 2.39 | 0.65 | 0.37 | 3.42 | 2.43 | 3.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0.00 |
| 278 | 20.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.71 | 14.60 | 0.00 | 14.95 | 0.00 | 2.39 | 0.64 | 0.37 | 3.41 | 2.42 | 3.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0.00 |
| 279 | 20.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 14.52 | 0.00 | 14.76 | 0.00 | 2.38 | 0.64 | 0.37 | 3.40 | 2.40 | 3.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240 | 24.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 41.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 241 | 24.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 40.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 242 | 24.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 39.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 243 | 24.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 38.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 244 | 24.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 37.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 245 | 24.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 36.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 246 | 24.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 35.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 247 | 23.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 34.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 248 | 23.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 33.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 249 | 23.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 32.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 250 | 23.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 31.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 251 | 23.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 30.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 252 | 23.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 29.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 253 | 23.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 28.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 254 | 23.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 27.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 255 | 23.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 26.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 256 | 23.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 25.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 257 | 22.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 24.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 258 | 22.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 23.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 259 | 22.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 260 | 22.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 261 | 22.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 262 | 22.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 263 | 22.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 264 | 22.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 265 | 22.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 266 | 22.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 267 | 21.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 268 | 21.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 269 | 21.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 270 | 21.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 271 | 21.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 272 | 21.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 273 | 21.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 274 | 21.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 275 | 21.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 276 | 21.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 277 | 20.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 278 | 20.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 279 | 20.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 20 DEG C RATE | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 0.000 | 0.000 | 0.000 | | |

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 6 Pontchatoula (EPON to Arnold) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | UPR RCH | 0.04607 | 20.00 | 0.00 | 1.00 | 0.00 | 8.70 | 14.52 | 0.00 | 14.76 | 0.00 | 2.38 | 0.64 | 0.37 | 0.00 | 2.25 | 0.00 | 0.00 |
| 389 | TRIB | 0.04287 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 13.81 | 0.00 | 14.05 | 0.00 | 1.39 | 0.69 | 0.49 | 0.00 | 2.25 | 0.00 | 0.00 |
| EACH | INCR | 0.00510 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 30.00 | 0.00 | | | 1.00 | 0.29 | 0.37 | 0.00 | 0.00 | 0.00 | |
| 393 | WSTLD | 0.00039 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | WSTLD | 0.00183 | 20.00 | 0.00 | 0.00 | 0.00 | 3.00 | 53.50 | 0.00 | 53.50 | 0.00 | 3.90 | 7.75 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | WSTLD | 0.00183 | 20.00 | 0.00 | 0.00 | 0.00 | 3.00 | 53.50 | 0.00 | 53.50 | 0.00 | 3.90 | 7.75 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | WSTLD | 0.00017 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.70 | 20.60 | 0.09404 | 11.3 | 0.23379 | 0.00 | 8.02 | 0.13 | 3.20 | 40.22 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.234 |
| 390 | 20.60 | 20.50 | 0.09914 | 10.7 | 0.24482 | 0.00 | 8.03 | 0.13 | 3.20 | 40.50 | 320.00 | 0.40 | 0.00 | 0.000 | 0.000 | 0.245 |
| 391 | 20.50 | 20.40 | 0.10425 | 10.2 | 0.25577 | 0.00 | 8.03 | 0.13 | 3.20 | 40.76 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.256 |
| 392 | 20.40 | 20.30 | 0.10935 | 9.7 | 0.26666 | 0.00 | 8.04 | 0.13 | 3.20 | 41.01 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.267 |
| 393 | 20.30 | 20.20 | 0.11484 | 9.6 | 0.27831 | 0.00 | 8.04 | 0.13 | 3.20 | 41.26 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.278 |
| 394 | 20.20 | 20.10 | 0.11994 | 9.2 | 0.28906 | 0.00 | 8.04 | 0.13 | 3.20 | 41.49 | 320.00 | 0.41 | 0.00 | 0.000 | 0.000 | 0.289 |
| 395 | 20.10 | 20.00 | 0.12504 | 8.8 | 0.29976 | 0.00 | 8.05 | 0.13 | 3.20 | 41.72 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.300 |
| 396 | 20.00 | 19.90 | 0.13015 | 8.4 | 0.31040 | 0.00 | 8.05 | 0.13 | 3.20 | 41.93 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.310 |
| 397 | 19.90 | 19.80 | 0.13525 | 8.1 | 0.32099 | 0.00 | 8.05 | 0.13 | 3.20 | 42.14 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.321 |
| 398 | 19.80 | 19.70 | 0.14035 | 7.8 | 0.33152 | 0.00 | 8.06 | 0.13 | 3.20 | 42.33 | 320.00 | 0.42 | 0.00 | 0.000 | 0.000 | 0.332 |
| 399 | 19.70 | 19.60 | 0.14545 | 7.6 | 0.34201 | 0.00 | 8.06 | 0.13 | 3.20 | 42.53 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.342 |
| 400 | 19.60 | 19.50 | 0.15055 | 7.3 | 0.35245 | 0.00 | 8.06 | 0.13 | 3.20 | 42.72 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.352 |
| 401 | 19.50 | 19.40 | 0.15566 | 7.1 | 0.36285 | 0.00 | 8.07 | 0.13 | 3.20 | 42.90 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.363 |
| 402 | 19.40 | 19.30 | 0.16076 | 6.8 | 0.37320 | 0.00 | 8.07 | 0.13 | 3.20 | 43.08 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.373 |
| 403 | 19.30 | 19.20 | 0.16586 | 6.6 | 0.38352 | 0.00 | 8.07 | 0.14 | 3.20 | 43.25 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.384 |
| 404 | 19.20 | 19.10 | 0.17096 | 6.4 | 0.39379 | 0.00 | 8.08 | 0.14 | 3.20 | 43.42 | 320.00 | 0.43 | 0.00 | 0.000 | 0.000 | 0.394 |
| 405 | 19.10 | 19.00 | 0.17606 | 6.2 | 0.40402 | 0.00 | 8.08 | 0.14 | 3.20 | 43.58 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.404 |
| 406 | 19.00 | 18.90 | 0.18117 | 6.1 | 0.41421 | 0.00 | 8.08 | 0.14 | 3.20 | 43.74 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.414 |
| 407 | 18.90 | 18.80 | 0.18627 | 5.9 | 0.42437 | 0.00 | 8.09 | 0.14 | 3.20 | 43.89 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.424 |
| 408 | 18.80 | 18.70 | 0.19137 | 5.7 | 0.43449 | 0.00 | 8.09 | 0.14 | 3.20 | 44.04 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.434 |
| 409 | 18.70 | 18.60 | 0.19647 | 5.6 | 0.44458 | 0.00 | 8.09 | 0.14 | 3.20 | 44.19 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.445 |
| 410 | 18.60 | 18.50 | 0.20157 | 5.5 | 0.45463 | 0.00 | 8.09 | 0.14 | 3.20 | 44.34 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.455 |
| 411 | 18.50 | 18.40 | 0.20668 | 5.3 | 0.46465 | 0.00 | 8.10 | 0.14 | 3.20 | 44.48 | 320.00 | 0.44 | 0.00 | 0.000 | 0.000 | 0.465 |
| 412 | 18.40 | 18.30 | 0.21178 | 5.2 | 0.47464 | 0.00 | 8.10 | 0.14 | 3.20 | 44.62 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.475 |
| 413 | 18.30 | 18.20 | 0.21688 | 5.1 | 0.48460 | 0.00 | 8.10 | 0.14 | 3.20 | 44.75 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.485 |
| 414 | 18.20 | 18.10 | 0.22198 | 5.0 | 0.49453 | 0.00 | 8.10 | 0.14 | 3.20 | 44.89 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.495 |
| 415 | 18.10 | 18.00 | 0.22709 | 4.8 | 0.50443 | 0.00 | 8.10 | 0.14 | 3.20 | 45.02 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.504 |
| 416 | 18.00 | 17.90 | 0.23219 | 4.7 | 0.51431 | 0.00 | 8.11 | 0.14 | 3.20 | 45.15 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.514 |
| 417 | 17.90 | 17.80 | 0.23729 | 4.6 | 0.52415 | 0.00 | 8.11 | 0.14 | 3.20 | 45.27 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.524 |
| 418 | 17.80 | 17.70 | 0.24239 | 4.5 | 0.53397 | 0.00 | 8.11 | 0.14 | 3.20 | 45.39 | 320.00 | 0.45 | 0.00 | 0.000 | 0.000 | 0.534 |
| 419 | 17.70 | 17.60 | 0.24749 | 4.4 | 0.54376 | 0.00 | 8.11 | 0.14 | 3.20 | 45.52 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.544 |
| 420 | 17.60 | 17.50 | 0.25260 | 4.4 | 0.55352 | 0.00 | 8.12 | 0.14 | 3.20 | 45.63 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.554 |
| 421 | 17.50 | 17.40 | 0.25770 | 4.3 | 0.56326 | 0.00 | 8.12 | 0.14 | 3.20 | 45.75 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.563 |
| 422 | 17.40 | 17.30 | 0.26280 | 4.2 | 0.57298 | 0.00 | 8.12 | 0.14 | 3.20 | 45.87 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.573 |
| 423 | 17.30 | 17.20 | 0.26790 | 4.1 | 0.58267 | 0.00 | 8.12 | 0.14 | 3.20 | 45.98 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.583 |
| 424 | 17.20 | 17.10 | 0.27300 | 4.0 | 0.59234 | 0.00 | 8.12 | 0.14 | 3.20 | 46.09 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.592 |
| 425 | 17.10 | 17.00 | 0.27811 | 4.0 | 0.60198 | 0.00 | 8.13 | 0.14 | 3.20 | 46.20 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.602 |
| 426 | 17.00 | 16.90 | 0.28321 | 3.9 | 0.61161 | 0.00 | 8.13 | 0.14 | 3.20 | 46.31 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.612 |
| 427 | 16.90 | 16.80 | 0.28831 | 3.8 | 0.62121 | 0.00 | 8.13 | 0.15 | 3.20 | 46.41 | 320.00 | 0.46 | 0.00 | 0.000 | 0.000 | 0.621 |
| 428 | 16.80 | 16.70 | 0.29524 | 4.3 | 0.63422 | 0.00 | 8.13 | 0.15 | 3.20 | 46.55 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.634 |
| 429 | 16.70 | 16.60 | 0.30034 | 4.3 | 0.64377 | 0.00 | 8.13 | 0.15 | 3.20 | 46.65 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.644 |
| 430 | 16.60 | 16.50 | 0.30545 | 4.2 | 0.65329 | 0.00 | 8.13 | 0.15 | 3.20 | 46.75 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.653 |
| 431 | 16.50 | 16.40 | 0.31055 | 4.1 | 0.66280 | 0.00 | 8.14 | 0.15 | 3.20 | 46.85 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.663 |
| 432 | 16.40 | 16.30 | 0.31565 | 4.1 | 0.67229 | 0.00 | 8.14 | 0.15 | 3.20 | 46.95 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.672 |
| 433 | 16.30 | 16.20 | 0.32075 | 4.0 | 0.68176 | 0.00 | 8.14 | 0.15 | 3.20 | 47.05 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.682 |
| 434 | 16.20 | 16.10 | 0.32585 | 3.9 | 0.69121 | 0.00 | 8.14 | 0.15 | 3.20 | 47.14 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.691 |
| 435 | 16.10 | 16.00 | 0.33096 | 3.9 | 0.70064 | 0.00 | 8.14 | 0.15 | 3.20 | 47.24 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.701 |
| 436 | 16.00 | 15.90 | 0.33606 | 3.8 | 0.71006 | 0.00 | 8.15 | 0.15 | 3.20 | 47.33 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.710 |
| 437 | 15.90 | 15.80 | 0.34116 | 3.8 | 0.71945 | 0.00 | 8.15 | 0.15 | 3.20 | 47.42 | 320.00 | 0.47 | 0.00 | 0.000 | 0.000 | 0.719 |
| 438 | 15.80 | 15.70 | 0.34626 | 3.7 | 0.72883 | 0.00 | 8.15 | 0.15 | 3.20 | 47.51 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.729 |
| 439 | 15.70 | 15.60 | 0.35136 | 3.6 | 0.73819 | 0.00 | 8.15 | 0.15 | 3.20 | 47.60 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.738 |
| 440 | 15.60 | 15.50 | 0.35647 | 3.6 | 0.74753 | 0.00 | 8.15 | 0.15 | 3.20 | 47.69 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.748 |
| 441 | 15.50 | 15.40 | 0.36157 | 3.5 | 0.75685 | 0.00 | 8.15 | 0.15 | 3.20 | 47.77 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.757 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 442 | 15.40 | 15.30 | 0.36667 | 3.5 | 0.76616 | 0.00 | 8.15 | 0.15 | 3.20 | 47.86 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.766 |
| 443 | 15.30 | 15.20 | 0.37177 | 3.4 | 0.77545 | 0.00 | 8.16 | 0.15 | 3.20 | 47.94 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.775 |
| 444 | 15.20 | 15.10 | 0.37687 | 3.4 | 0.78472 | 0.00 | 8.16 | 0.15 | 3.20 | 48.03 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.785 |
| 445 | 15.10 | 15.00 | 0.38198 | 3.4 | 0.79398 | 0.00 | 8.16 | 0.15 | 3.20 | 48.11 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.794 |
| 446 | 15.00 | 14.90 | 0.38708 | 3.3 | 0.80323 | 0.00 | 8.16 | 0.15 | 3.20 | 48.19 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.803 |
| 447 | 14.90 | 14.80 | 0.39218 | 3.3 | 0.81245 | 0.00 | 8.16 | 0.15 | 3.20 | 48.27 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.812 |
| 448 | 14.80 | 14.70 | 0.39728 | 3.2 | 0.82167 | 0.00 | 8.16 | 0.15 | 3.20 | 48.35 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.822 |
| 449 | 14.70 | 14.60 | 0.40238 | 3.2 | 0.83086 | 0.00 | 8.16 | 0.15 | 3.20 | 48.43 | 320.00 | 0.48 | 0.00 | 0.000 | 0.000 | 0.831 |
| 450 | 14.60 | 14.50 | 0.40749 | 3.1 | 0.84005 | 0.00 | 8.17 | 0.15 | 3.20 | 48.51 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.840 |
| 451 | 14.50 | 14.40 | 0.41259 | 3.1 | 0.84921 | 0.00 | 8.17 | 0.15 | 3.20 | 48.58 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.849 |
| 452 | 14.40 | 14.30 | 0.41952 | 3.5 | 0.86165 | 0.00 | 8.17 | 0.15 | 3.20 | 48.69 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.862 |
| 453 | 14.30 | 14.20 | 0.42462 | 3.4 | 0.87078 | 0.00 | 8.17 | 0.15 | 3.20 | 48.76 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.871 |
| 454 | 14.20 | 14.10 | 0.42972 | 3.4 | 0.87990 | 0.00 | 8.17 | 0.15 | 3.20 | 48.84 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.880 |
| 455 | 14.10 | 14.00 | 0.43483 | 3.4 | 0.88901 | 0.00 | 8.17 | 0.15 | 3.20 | 48.91 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.889 |
| 456 | 14.00 | 13.90 | 0.44010 | 3.4 | 0.89840 | 0.00 | 8.17 | 0.15 | 3.20 | 48.99 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.898 |
| 457 | 13.90 | 13.80 | 0.44520 | 3.3 | 0.90748 | 0.00 | 8.18 | 0.15 | 3.20 | 49.06 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.907 |
| 458 | 13.80 | 13.70 | 0.45030 | 3.3 | 0.91654 | 0.00 | 8.18 | 0.15 | 3.20 | 49.13 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.917 |
| 459 | 13.70 | 13.60 | 0.45540 | 3.3 | 0.92560 | 0.00 | 8.18 | 0.15 | 3.20 | 49.20 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.926 |
| 460 | 13.60 | 13.50 | 0.46051 | 3.2 | 0.93463 | 0.00 | 8.18 | 0.15 | 3.20 | 49.27 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.935 |
| 461 | 13.50 | 13.40 | 0.46561 | 3.2 | 0.94366 | 0.00 | 8.18 | 0.15 | 3.20 | 49.34 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.944 |
| 462 | 13.40 | 13.30 | 0.47071 | 3.1 | 0.95267 | 0.00 | 8.18 | 0.15 | 3.20 | 49.41 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.953 |
| 463 | 13.30 | 13.20 | 0.47581 | 3.1 | 0.96168 | 0.00 | 8.18 | 0.15 | 3.20 | 49.48 | 320.00 | 0.49 | 0.00 | 0.000 | 0.000 | 0.962 |
| 464 | 13.20 | 13.10 | 0.48092 | 3.1 | 0.97066 | 0.00 | 8.18 | 0.15 | 3.20 | 49.54 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.971 |
| 465 | 13.10 | 13.00 | 0.48602 | 3.0 | 0.97964 | 0.00 | 8.18 | 0.16 | 3.20 | 49.61 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.980 |
| 466 | 13.00 | 12.90 | 0.49112 | 3.0 | 0.98861 | 0.00 | 8.19 | 0.16 | 3.20 | 49.68 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.989 |
| 467 | 12.90 | 12.80 | 0.49622 | 3.0 | 0.99756 | 0.00 | 8.19 | 0.16 | 3.20 | 49.74 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 0.998 |
| 468 | 12.80 | 12.70 | 0.50132 | 3.0 | 1.00650 | 0.00 | 8.19 | 0.16 | 3.20 | 49.81 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.007 |
| 469 | 12.70 | 12.60 | 0.50643 | 2.9 | 1.01543 | 0.00 | 8.19 | 0.16 | 3.20 | 49.87 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.015 |
| 470 | 12.60 | 12.50 | 0.51153 | 2.9 | 1.02435 | 0.00 | 8.19 | 0.16 | 3.20 | 49.94 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.024 |
| 471 | 12.50 | 12.40 | 0.51663 | 2.9 | 1.03325 | 0.00 | 8.19 | 0.16 | 3.20 | 50.00 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.033 |
| 472 | 12.40 | 12.30 | 0.52173 | 2.8 | 1.04215 | 0.00 | 8.19 | 0.16 | 3.20 | 50.06 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.042 |
| 473 | 12.30 | 12.20 | 0.52683 | 2.8 | 1.05103 | 0.00 | 8.19 | 0.16 | 3.20 | 50.13 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.051 |
| 474 | 12.20 | 12.10 | 0.53194 | 2.8 | 1.05991 | 0.00 | 8.20 | 0.16 | 3.20 | 50.19 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.060 |
| 475 | 12.10 | 12.00 | 0.53704 | 2.8 | 1.06877 | 0.00 | 8.20 | 0.16 | 3.20 | 50.25 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.069 |
| 476 | 12.00 | 11.90 | 0.54214 | 2.7 | 1.07762 | 0.00 | 8.20 | 0.16 | 3.20 | 50.31 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.078 |
| 477 | 11.90 | 11.80 | 0.54724 | 2.7 | 1.08646 | 0.00 | 8.20 | 0.16 | 3.20 | 50.37 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.086 |
| 478 | 11.80 | 11.70 | 0.55234 | 2.7 | 1.09529 | 0.00 | 8.20 | 0.16 | 3.20 | 50.43 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.095 |
| 479 | 11.70 | 11.60 | 0.55745 | 2.7 | 1.10411 | 0.00 | 8.20 | 0.16 | 3.20 | 50.49 | 320.00 | 0.50 | 0.00 | 0.000 | 0.000 | 1.104 |
| 480 | 11.60 | 11.50 | 0.56255 | 2.6 | 1.11292 | 0.00 | 8.20 | 0.16 | 3.20 | 50.55 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.113 |
| 481 | 11.50 | 11.40 | 0.56765 | 2.6 | 1.12172 | 0.00 | 8.20 | 0.16 | 3.20 | 50.61 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.122 |
| 482 | 11.40 | 11.30 | 0.57275 | 2.6 | 1.13051 | 0.00 | 8.20 | 0.16 | 3.20 | 50.66 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.131 |
| 483 | 11.30 | 11.20 | 0.57785 | 2.6 | 1.13929 | 0.00 | 8.20 | 0.16 | 3.20 | 50.72 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.139 |
| 484 | 11.20 | 11.10 | 0.58296 | 2.5 | 1.14806 | 0.00 | 8.21 | 0.16 | 3.20 | 50.78 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.148 |
| 485 | 11.10 | 11.00 | 0.58806 | 2.5 | 1.15682 | 0.00 | 8.21 | 0.16 | 3.20 | 50.83 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.157 |
| 486 | 11.00 | 10.90 | 0.59316 | 2.5 | 1.16557 | 0.00 | 8.21 | 0.16 | 3.20 | 50.89 | 320.00 | 0.51 | 0.00 | 0.000 | 0.000 | 1.166 |
| TOT | | | | | | 0.19 | | | | 4595.65 | 31360.00 | | | | | |
| AVG | | | | | 0.5940 | | | 0.15 | 3.20 | | | 0.47 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 390 | 20.500 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 391 | 20.400 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 392 | 20.300 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 393 | 20.200 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 394 | 20.100 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 395 | 20.000 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 396 | 19.900 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 397 | 19.800 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 398 | 19.700 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 399 | 19.600 | 9.09 | 10.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 19.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 401 | 19.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 402 | 19.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 403 | 19.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 404 | 19.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 405 | 19.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 406 | 18.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 407 | 18.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 408 | 18.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 409 | 18.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 410 | 18.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 411 | 18.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 412 | 18.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 413 | 18.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 414 | 18.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 415 | 18.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 416 | 17.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 417 | 17.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 418 | 17.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 419 | 17.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 420 | 17.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 421 | 17.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 422 | 17.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 423 | 17.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 424 | 17.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 425 | 17.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 |
| 426 | 16.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 427 | 16.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 428 | 16.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 429 | 16.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 430 | 16.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 431 | 16.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 432 | 16.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 433 | 16.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 434 | 16.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 |
| 435 | 16.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| 436 | 15.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 437 | 15.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 438 | 15.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 439 | 15.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 440 | 15.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 441 | 15.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| 442 | 15.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 443 | 15.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 444 | 15.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| 445 | 15.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 446 | 14.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| 447 | 14.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 448 | 14.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 449 | 14.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 450 | 14.500 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 |
| 451 | 14.400 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 452 | 14.300 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 453 | 14.200 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 454 | 14.100 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 455 | 14.000 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 456 | 13.900 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 457 | 13.800 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 458 | 13.700 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 459 | 13.600 | 9.09 | 10.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 460 | 13.500 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 461 | 13.400 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 462 | 13.300 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 463 | 13.200 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 464 | 13.100 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 465 | 13.000 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 466 | 12.900 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| 467 | 12.800 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 468 | 12.700 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 469 | 12.600 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 470 | 12.500 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 471 | 12.400 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 472 | 12.300 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 473 | 12.200 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 474 | 12.100 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 475 | 12.000 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 476 | 11.900 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 477 | 11.800 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 478 | 11.700 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 479 | 11.600 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 480 | 11.500 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 481 | 11.400 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 482 | 11.300 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 483 | 11.200 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 484 | 11.100 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 485 | 11.000 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 486 | 10.900 | 9.09 | 10.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 10.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | 0.00 | 0.00 | 0.00 | |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.70 | 15.03 | 0.00 | 15.29 | 0.00 | 1.86 | 0.64 | 0.43 | 2.92 | 1.88 | 2.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 390 | 20.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 15.79 | 0.00 | 16.07 | 0.00 | 1.81 | 0.62 | 0.43 | 2.86 | 1.83 | 2.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 391 | 20.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 16.48 | 0.00 | 16.78 | 0.00 | 1.77 | 0.60 | 0.42 | 2.80 | 1.80 | 2.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 392 | 20.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.72 | 17.10 | 0.00 | 17.43 | 0.00 | 1.74 | 0.59 | 0.42 | 2.75 | 1.76 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 393 | 20.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 17.84 | 0.00 | 18.19 | 0.00 | 1.71 | 0.61 | 0.42 | 2.75 | 1.74 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 394 | 20.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 18.35 | 0.00 | 18.72 | 0.00 | 1.68 | 0.59 | 0.42 | 2.70 | 1.71 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 395 | 20.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.72 | 18.82 | 0.00 | 19.21 | 0.00 | 1.66 | 0.58 | 0.42 | 2.66 | 1.69 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 396 | 19.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.72 | 19.25 | 0.00 | 19.66 | 0.00 | 1.63 | 0.57 | 0.42 | 2.62 | 1.66 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 397 | 19.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.73 | 19.65 | 0.00 | 20.08 | 0.00 | 1.61 | 0.56 | 0.42 | 2.58 | 1.64 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 398 | 19.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.73 | 20.01 | 0.00 | 20.47 | 0.00 | 1.58 | 0.55 | 0.42 | 2.55 | 1.62 | 2.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 399 | 19.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.74 | 20.36 | 0.00 | 20.83 | 0.00 | 1.56 | 0.54 | 0.41 | 2.52 | 1.60 | 2.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 400 | 19.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.74 | 20.68 | 0.00 | 21.17 | 0.00 | 1.54 | 0.53 | 0.41 | 2.49 | 1.58 | 2.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 401 | 19.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.75 | 20.97 | 0.00 | 21.49 | 0.00 | 1.53 | 0.52 | 0.41 | 2.46 | 1.57 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 402 | 19.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.75 | 21.25 | 0.00 | 21.80 | 0.00 | 1.51 | 0.51 | 0.41 | 2.43 | 1.55 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.1 | 0.0 | 0. |
| 403 | 19.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.75 | 21.52 | 0.00 | 22.08 | 0.00 | 1.49 | 0.51 | 0.41 | 2.41 | 1.54 | 2.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. |
| 404 | 19.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.76 | 21.76 | 0.00 | 22.35 | 0.00 | 1.48 | 0.50 | 0.41 | 2.39 | 1.53 | 2.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.5 | 0.0 | 0. |
| 405 | 19.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.76 | 21.99 | 0.00 | 22.60 | 0.00 | 1.46 | 0.49 | 0.41 | 2.37 | 1.51 | 2.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. |
| 406 | 18.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.76 | 22.21 | 0.00 | 22.84 | 0.00 | 1.45 | 0.49 | 0.41 | 2.35 | 1.50 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. |
| 407 | 18.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.77 | 22.42 | 0.00 | 23.07 | 0.00 | 1.44 | 0.48 | 0.41 | 2.33 | 1.49 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.1 | 0.0 | 0. |
| 408 | 18.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.77 | 22.61 | 0.00 | 23.29 | 0.00 | 1.43 | 0.48 | 0.40 | 2.31 | 1.48 | 2.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.3 | 0.0 | 0. |
| 409 | 18.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.77 | 22.80 | 0.00 | 23.49 | 0.00 | 1.42 | 0.47 | 0.40 | 2.29 | 1.47 | 2.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.5 | 0.0 | 0. |
| 410 | 18.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 22.98 | 0.00 | 23.69 | 0.00 | 1.41 | 0.47 | 0.40 | 2.28 | 1.46 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.7 | 0.0 | 0. |
| 411 | 18.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 23.14 | 0.00 | 23.88 | 0.00 | 1.40 | 0.46 | 0.40 | 2.26 | 1.45 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.9 | 0.0 | 0. |
| 412 | 18.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 23.30 | 0.00 | 24.06 | 0.00 | 1.39 | 0.46 | 0.40 | 2.25 | 1.45 | 2.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.1 | 0.0 | 0. |
| 413 | 18.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 23.45 | 0.00 | 24.23 | 0.00 | 1.38 | 0.45 | 0.40 | 2.23 | 1.44 | 2.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.3 | 0.0 | 0. |
| 414 | 18.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 23.60 | 0.00 | 24.40 | 0.00 | 1.37 | 0.45 | 0.40 | 2.22 | 1.43 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.5 | 0.0 | 0. |
| 415 | 18.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 23.74 | 0.00 | 24.56 | 0.00 | 1.36 | 0.45 | 0.40 | 2.21 | 1.43 | 2.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.7 | 0.0 | 0. |
| 416 | 17.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 23.87 | 0.00 | 24.71 | 0.00 | 1.35 | 0.44 | 0.40 | 2.19 | 1.42 | 2.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.9 | 0.0 | 0. |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 417 | 17.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 23.99 | 0.00 | 24.86 | 0.00 | 1.34 | 0.44 | 0.40 | 2.18 | 1.41 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 418 | 17.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.12 | 0.00 | 25.00 | 0.00 | 1.34 | 0.44 | 0.40 | 2.17 | 1.41 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 419 | 17.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.23 | 0.00 | 25.14 | 0.00 | 1.33 | 0.43 | 0.40 | 2.16 | 1.40 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 420 | 17.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.34 | 0.00 | 25.27 | 0.00 | 1.32 | 0.43 | 0.40 | 2.15 | 1.40 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 421 | 17.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.45 | 0.00 | 25.40 | 0.00 | 1.32 | 0.43 | 0.40 | 2.14 | 1.39 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 422 | 17.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 24.55 | 0.00 | 25.52 | 0.00 | 1.31 | 0.42 | 0.40 | 2.13 | 1.39 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 423 | 17.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 24.65 | 0.00 | 25.64 | 0.00 | 1.31 | 0.42 | 0.40 | 2.12 | 1.38 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 424 | 17.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 24.75 | 0.00 | 25.76 | 0.00 | 1.30 | 0.42 | 0.39 | 2.11 | 1.38 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 425 | 17.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 24.84 | 0.00 | 25.87 | 0.00 | 1.29 | 0.42 | 0.39 | 2.11 | 1.38 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 426 | 16.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 24.93 | 0.00 | 25.98 | 0.00 | 1.29 | 0.41 | 0.39 | 2.10 | 1.37 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 427 | 16.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.01 | 0.00 | 26.09 | 0.00 | 1.28 | 0.41 | 0.39 | 2.09 | 1.37 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 428 | 16.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 25.27 | 0.00 | 26.37 | 0.00 | 1.29 | 0.46 | 0.40 | 2.15 | 1.38 | 2.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 429 | 16.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 25.34 | 0.00 | 26.47 | 0.00 | 1.29 | 0.45 | 0.40 | 2.14 | 1.38 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 430 | 16.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 25.42 | 0.00 | 26.56 | 0.00 | 1.28 | 0.45 | 0.40 | 2.14 | 1.38 | 2.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 431 | 16.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.79 | 25.49 | 0.00 | 26.65 | 0.00 | 1.28 | 0.45 | 0.40 | 2.13 | 1.37 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 432 | 16.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 25.56 | 0.00 | 26.74 | 0.00 | 1.28 | 0.44 | 0.40 | 2.12 | 1.37 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 433 | 16.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 25.62 | 0.00 | 26.83 | 0.00 | 1.27 | 0.44 | 0.40 | 2.11 | 1.37 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 434 | 16.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 25.69 | 0.00 | 26.92 | 0.00 | 1.27 | 0.44 | 0.40 | 2.11 | 1.36 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 435 | 16.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 25.75 | 0.00 | 27.00 | 0.00 | 1.26 | 0.44 | 0.40 | 2.10 | 1.36 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 436 | 15.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.81 | 0.00 | 27.08 | 0.00 | 1.26 | 0.43 | 0.40 | 2.09 | 1.36 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 437 | 15.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.87 | 0.00 | 27.16 | 0.00 | 1.25 | 0.43 | 0.40 | 2.09 | 1.36 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 438 | 15.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.92 | 0.00 | 27.24 | 0.00 | 1.25 | 0.43 | 0.40 | 2.08 | 1.36 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 439 | 15.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.81 | 25.98 | 0.00 | 27.32 | 0.00 | 1.25 | 0.43 | 0.40 | 2.07 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 440 | 15.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.03 | 0.00 | 27.39 | 0.00 | 1.24 | 0.43 | 0.40 | 2.07 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 441 | 15.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.08 | 0.00 | 27.47 | 0.00 | 1.24 | 0.42 | 0.40 | 2.06 | 1.35 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 442 | 15.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.14 | 0.00 | 27.54 | 0.00 | 1.24 | 0.42 | 0.40 | 2.06 | 1.35 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 443 | 15.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.18 | 0.00 | 27.61 | 0.00 | 1.23 | 0.42 | 0.40 | 2.05 | 1.35 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 444 | 15.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.23 | 0.00 | 27.68 | 0.00 | 1.23 | 0.42 | 0.40 | 2.04 | 1.35 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 445 | 15.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.28 | 0.00 | 27.75 | 0.00 | 1.23 | 0.42 | 0.40 | 2.04 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 446 | 14.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.32 | 0.00 | 27.81 | 0.00 | 1.22 | 0.41 | 0.40 | 2.03 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 447 | 14.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.37 | 0.00 | 27.88 | 0.00 | 1.22 | 0.41 | 0.40 | 2.03 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 448 | 14.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.41 | 0.00 | 27.94 | 0.00 | 1.22 | 0.41 | 0.39 | 2.02 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 449 | 14.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.45 | 0.00 | 28.01 | 0.00 | 1.22 | 0.41 | 0.39 | 2.02 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 450 | 14.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.49 | 0.00 | 28.07 | 0.00 | 1.21 | 0.41 | 0.39 | 2.02 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 451 | 14.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 26.53 | 0.00 | 28.13 | 0.00 | 1.21 | 0.41 | 0.39 | 2.01 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 452 | 14.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.69 | 0.00 | 28.31 | 0.00 | 1.22 | 0.44 | 0.40 | 2.06 | 1.35 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 453 | 14.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.73 | 0.00 | 28.36 | 0.00 | 1.22 | 0.44 | 0.40 | 2.05 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 454 | 14.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.76 | 0.00 | 28.42 | 0.00 | 1.21 | 0.43 | 0.40 | 2.05 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 455 | 14.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.80 | 0.00 | 28.48 | 0.00 | 1.21 | 0.43 | 0.40 | 2.04 | 1.35 | 2.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 456 | 13.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.82 | 0.00 | 28.52 | 0.00 | 1.21 | 0.43 | 0.40 | 2.04 | 1.34 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 457 | 13.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.82 | 26.85 | 0.00 | 28.58 | 0.00 | 1.21 | 0.43 | 0.40 | 2.03 | 1.34 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 458 | 13.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.88 | 0.00 | 28.63 | 0.00 | 1.20 | 0.43 | 0.40 | 2.03 | 1.34 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 459 | 13.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.92 | 0.00 | 28.68 | 0.00 | 1.20 | 0.42 | 0.40 | 2.03 | 1.34 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 460 | 13.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.95 | 0.00 | 28.74 | 0.00 | 1.20 | 0.42 | 0.40 | 2.02 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 461 | 13.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 26.98 | 0.00 | 28.79 | 0.00 | 1.20 | 0.42 | 0.40 | 2.02 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 462 | 13.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.83 | 27.01 | 0.00 | 28.84 | 0.00 | 1.20 | 0.42 | 0.40 | 2.01 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 463 | 13.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.03 | 0.00 | 28.89 | 0.00 | 1.19 | 0.42 | 0.40 | 2.01 | 1.34 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 464 | 13.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.06 | 0.00 | 28.94 | 0.00 | 1.19 | 0.42 | 0.40 | 2.01 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 465 | 13.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.09 | 0.00 | 28.99 | 0.00 | 1.19 | 0.42 | 0.40 | 2.00 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 466 | 12.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.12 | 0.00 | 29.04 | 0.00 | 1.19 | 0.41 | 0.40 | 2.00 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 467 | 12.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.14 | 0.00 | 29.09 | 0.00 | 1.19 | 0.41 | 0.40 | 1.99 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 468 | 12.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.17 | 0.00 | 29.13 | 0.00 | 1.18 | 0.41 | 0.40 | 1.99 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 469 | 12.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.20 | 0.00 | 29.18 | 0.00 | 1.18 | 0.41 | 0.40 | 1.99 | 1.34 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 470 | 12.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.22 | 0.00 | 29.23 | 0.00 | 1.18 | 0.41 | 0.40 | 1.98 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 471 | 12.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.25 | 0.00 | 29.27 | 0.00 | 1.18 | 0.41 | 0.40 | 1.98 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 472 | 12.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.27 | 0.00 | 29.32 | 0.00 | 1.18 | 0.41 | 0.39 | 1.98 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 473 | 12.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.85 | 27.29 | 0.00 | 29.36 | 0.00 | 1.17 | 0.41 | 0.39 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 474 | 12.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.32 | 0.00 | 29.41 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 475 | 12.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.34 | 0.00 | 29.45 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 476 | 11.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.36 | 0.00 | 29.50 | 0.00 | 1.17 | 0.40 | 0.39 | 1.97 | 1.34 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 477 | 11.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.38 | 0.00 | 29.54 | 0.00 | 1.17 | 0.40 | 0.39 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 478 | 11.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.40 | 0.00 | 29.58 | 0.00 | 1.17 | 0.40 | 0.39 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 479 | 11.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.42 | 0.00 | 29.62 | 0.00 | 1.16 | 0.40 | 0.39 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 480 | 11.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.86 | 27.45 | 0.00 | 29.67 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 481 | 11.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.47 | 0.00 | 29.71 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 482 | 11.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.49 | 0.00 | 29.75 | 0.00 | 1.16 | 0.40 | 0.39 | 1.95 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 483 | 11.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.50 | 0.00 | 29.79 | 0.00 | 1.16 | 0.39 | 0.39 | 1.95 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 484 | 11.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.52 | 0.00 | 29.83 | 0.00 | 1.16 | 0.39 | 0.39 | 1.94 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 485 | 11.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.87 | 27.54 | 0.00 | 29.87 | 0.00 | 1.16 | 0.39 | 0.39 | 1.94 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 486 | 10.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.20 | 0.00 | 29.55 | 0.00 | 1.15 | 0.40 | 0.39 | 1.93 | 1.34 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 389 | 20.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 390 | 20.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 391 | 20.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 392 | 20.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 393 | 20.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 394 | 20.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 395 | 20.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 396 | 19.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 397 | 19.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 398 | 19.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 399 | 19.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 400 | 19.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 401 | 19.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 402 | 19.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 403 | 19.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 404 | 19.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 405 | 19.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 406 | 18.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 407 | 18.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 408 | 18.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 409 | 18.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 410 | 18.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 411 | 18.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 6.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 412 | 18.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 413 | 18.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 414 | 18.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 415 | 18.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 416 | 17.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 7.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 417 | 17.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 418 | 17.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 419 | 17.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 420 | 17.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 421 | 17.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 8.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 422 | 17.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 423 | 17.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 424 | 17.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 425 | 17.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 426 | 16.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 9.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 427 | 16.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 428 | 16.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 429 | 16.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 430 | 16.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 431 | 16.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 10.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 432 | 16.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 433 | 16.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 434 | 16.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 435 | 16.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 436 | 15.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 11.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 437 | 15.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 438 | 15.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 439 | 15.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 440 | 15.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 441 | 15.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 12.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 442 | 15.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 443 | 15.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 444 | 15.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 445 | 15.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 446 | 14.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 13.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 447 | 14.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 448 | 14.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 449 | 14.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 450 | 14.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 451 | 14.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 14.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 452 | 14.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 453 | 14.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 454 | 14.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 455 | 14.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 15.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 456 | 13.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 457 | 13.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 458 | 13.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 459 | 13.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 460 | 13.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 16.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 461 | 13.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 462 | 13.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 463 | 13.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 464 | 13.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 465 | 13.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 17.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 466 | 12.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 467 | 12.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 468 | 12.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 469 | 12.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 470 | 12.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 18.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 471 | 12.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 472 | 12.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 473 | 12.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 474 | 12.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 475 | 12.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 476 | 11.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 477 | 11.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 478 | 11.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 479 | 11.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 480 | 11.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 481 | 11.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 482 | 11.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 483 | 11.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 484 | 11.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 485 | 11.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 486 | 10.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 8 Pontchatoula (Arnold to YWR) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | UPR RCH | 0.59316 | 20.00 | 0.00 | 1.00 | 0.00 | 7.84 | 27.20 | 0.00 | 29.55 | 0.00 | 1.15 | 0.40 | 0.39 | 0.00 | 22.00 | 0.00 | 0.00 |
| 561 | TRIB | 0.02891 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 16.89 | 0.00 | 19.24 | 0.00 | 0.94 | 0.31 | 0.16 | 0.00 | 22.00 | 0.00 | 0.00 |
| 564 | WSTLD | 0.00001 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | WSTLD | 0.00342 | 20.00 | 0.00 | 0.00 | 0.00 | 3.00 | 61.40 | 0.00 | 61.40 | 0.00 | 4.50 | 8.90 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | WSTLD | 0.00129 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 70.80 | 0.00 | 70.80 | 0.00 | 5.10 | 10.27 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 603 | WSTLD | 0.00283 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 11.00 | 0.00 | 11.00 | 0.00 | 1.40 | 0.32 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.90 | 10.80 | 0.62207 | 2.5 | 0.06857 | 0.02 | 8.22 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 64.02 | 0.000 | 25.000 | 0.069 |
| 562 | 10.80 | 10.70 | 0.62207 | 2.5 | 0.06857 | 0.02 | 8.24 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 128.03 | 0.001 | 25.000 | 0.069 |
| 563 | 10.70 | 10.60 | 0.62207 | 2.5 | 0.06857 | 0.02 | 8.26 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 192.05 | 0.001 | 25.000 | 0.069 |
| 564 | 10.60 | 10.50 | 0.62208 | 2.5 | 0.06857 | 0.02 | 8.27 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 256.06 | 0.001 | 25.000 | 0.069 |
| 565 | 10.50 | 10.40 | 0.62208 | 2.5 | 0.06857 | 0.02 | 8.29 | 0.50 | 18.29 | 907.19 | 1829.00 | 9.07 | 320.08 | 0.002 | 25.000 | 0.069 |
| 566 | 10.40 | 10.30 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.31 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 384.09 | 0.002 | 25.000 | 0.069 |
| 567 | 10.30 | 10.20 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.33 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 448.11 | 0.002 | 25.000 | 0.069 |
| 568 | 10.20 | 10.10 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.34 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 512.12 | 0.003 | 25.000 | 0.069 |
| 569 | 10.10 | 10.00 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.36 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 576.14 | 0.003 | 25.000 | 0.069 |
| 570 | 10.00 | 9.90 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.38 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 640.15 | 0.003 | 25.000 | 0.069 |
| 571 | 9.90 | 9.80 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.39 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 704.17 | 0.004 | 25.000 | 0.069 |
| 572 | 9.80 | 9.70 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.41 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 768.18 | 0.004 | 25.000 | 0.069 |
| 573 | 9.70 | 9.60 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.43 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 832.20 | 0.004 | 25.000 | 0.069 |
| 574 | 9.60 | 9.50 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.44 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 896.21 | 0.005 | 25.000 | 0.069 |
| 575 | 9.50 | 9.40 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.46 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 960.23 | 0.005 | 25.000 | 0.069 |
| 576 | 9.40 | 9.30 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.48 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1024.24 | 0.005 | 25.000 | 0.069 |
| 577 | 9.30 | 9.20 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.49 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1088.26 | 0.006 | 25.000 | 0.069 |
| 578 | 9.20 | 9.10 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.51 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1152.27 | 0.006 | 25.000 | 0.069 |
| 579 | 9.10 | 9.00 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.53 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1216.29 | 0.006 | 25.000 | 0.069 |
| 580 | 9.00 | 8.90 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.54 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1280.30 | 0.007 | 25.000 | 0.069 |
| 581 | 8.90 | 8.80 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.56 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1344.32 | 0.007 | 25.000 | 0.069 |
| 582 | 8.80 | 8.70 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.58 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1408.33 | 0.007 | 25.000 | 0.069 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 583 | 8.70 | 8.60 | 0.62550 | 3.0 | 0.06890 | 0.02 | 8.59 | 0.50 | 18.29 | 907.83 | 1829.00 | 9.08 | 1472.35 | 0.008 | 25.000 | 0.069 |
| 584 | 8.60 | 8.50 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.61 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1536.36 | 0.008 | 25.000 | 0.069 |
| 585 | 8.50 | 8.40 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.63 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1600.38 | 0.008 | 25.000 | 0.069 |
| 586 | 8.40 | 8.30 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.64 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1664.39 | 0.008 | 25.000 | 0.069 |
| 587 | 8.30 | 8.20 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.66 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1728.41 | 0.009 | 25.000 | 0.069 |
| 588 | 8.20 | 8.10 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.68 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1792.42 | 0.009 | 25.000 | 0.069 |
| 589 | 8.10 | 8.00 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.69 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1856.44 | 0.009 | 25.000 | 0.069 |
| 590 | 8.00 | 7.90 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.71 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1920.45 | 0.010 | 25.000 | 0.069 |
| 591 | 7.90 | 7.80 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.73 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 1984.47 | 0.010 | 25.000 | 0.069 |
| 592 | 7.80 | 7.70 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.75 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2048.48 | 0.010 | 25.000 | 0.069 |
| 593 | 7.70 | 7.60 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.76 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2112.50 | 0.011 | 25.000 | 0.069 |
| 594 | 7.60 | 7.50 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.78 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2176.51 | 0.011 | 25.000 | 0.069 |
| 595 | 7.50 | 7.40 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.80 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2240.52 | 0.011 | 25.000 | 0.069 |
| 596 | 7.40 | 7.30 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.81 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2304.54 | 0.012 | 25.000 | 0.069 |
| 597 | 7.30 | 7.20 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.83 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2368.55 | 0.012 | 25.000 | 0.069 |
| 598 | 7.20 | 7.10 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.85 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2432.57 | 0.012 | 25.000 | 0.069 |
| 599 | 7.10 | 7.00 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.86 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2496.58 | 0.013 | 25.000 | 0.069 |
| 600 | 7.00 | 6.90 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.88 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2560.60 | 0.013 | 25.000 | 0.069 |
| 601 | 6.90 | 6.80 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.90 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2624.61 | 0.013 | 25.000 | 0.069 |
| 602 | 6.80 | 6.70 | 0.62679 | 3.2 | 0.06902 | 0.02 | 8.91 | 0.50 | 18.29 | 908.06 | 1829.00 | 9.08 | 2688.63 | 0.014 | 25.000 | 0.069 |
| 603 | 6.70 | 6.60 | 0.62962 | 3.6 | 0.06930 | 0.02 | 8.93 | 0.50 | 18.29 | 908.59 | 1829.00 | 9.09 | 2752.64 | 0.014 | 25.000 | 0.069 |
| TOT | | | | | | 0.72 | | | | 39038.64 | 78647.01 | | | | | |
| AVG | | | | | 0.0689 | | | 0.50 | 18.29 | | | 9.08 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 562 | 10.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 563 | 10.600 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 564 | 10.500 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 565 | 10.400 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 566 | 10.300 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 567 | 10.200 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 568 | 10.100 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 569 | 10.000 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 570 | 9.900 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 571 | 9.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 572 | 9.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| 573 | 9.600 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 574 | 9.500 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 575 | 9.400 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 576 | 9.300 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 577 | 9.200 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 578 | 9.100 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 579 | 9.000 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 580 | 8.900 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 581 | 8.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 582 | 8.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 583 | 8.600 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 584 | 8.500 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 585 | 8.400 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 586 | 8.300 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 587 | 8.200 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 588 | 8.100 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 589 | 8.000 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 590 | 7.900 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 591 | 7.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 592 | 7.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 593 | 7.600 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 594 | 7.500 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 595 | 7.400 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 596 | 7.300 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 597 | 7.200 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 598 | 7.100 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 599 | 7.000 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600 | 6.900 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 601 | 6.800 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| 602 | 6.700 | 9.09 | 1.41 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 1.40 | 1.40 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |

```
 603    6.600  9.09   1.41  0.03  0.02  0.00  0.00  0.00  0.00  0.00  1.40  1.40  1.40  0.01  0.00  0.18  0.00  0.10  0.00  0.00  0.00  0.95  0.00  0.00  0.00  0.00

 AVG 20 DEG C RATE    1.41  0.03  0.00  0.00  0.00  0.00  0.00  0.00  1.40              0.01  0.00  0.18  0.00  0.10  1.55  0.00  1.55              0.00  0.00  0.00

 *   g/m²/d            **   mg/L/day

 ********************************************************************************** WATER QUALITY CONSTITUENT VALUES
**********************************************************************************

 ELEM  ENDING   TEMP  SALN     CM-1     CM-2     DO    BOD1   BOD2  EBOD1  EBOD2  ORG-N  NH3-N  NO3-N  TOT-N EORG-N ETOT-N  ORG-P  PO4-P  TOT-P EORG-P ETOT-P  CHL A   PERIP    COLI
NCM
 NO.     DIST  deg C   ppt                      mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   mg/L   µg/L    g/m²  #/100mL

 561  10.800  20.00  0.00     1.00     0.00   7.83  27.01   0.00  29.35   0.00   1.15   0.40   0.38   1.93   1.34   2.11   0.00   0.00   0.00   0.00   0.00   21.9     0.0      0.
0.00
 562  10.700  20.00  0.00     1.00     0.00   7.81  27.00   0.00  29.33   0.00   1.15   0.40   0.38   1.93   1.34   2.12   0.00   0.00   0.00   0.00   0.00   21.9     0.0      0.
0.00
 563  10.600  20.00  0.00     1.00     0.00   7.79  26.99   0.00  29.32   0.00   1.15   0.40   0.38   1.94   1.34   2.12   0.00   0.00   0.00   0.00   0.00   21.8     0.0      0.
0.00
 564  10.500  20.00  0.00     1.00     0.00   7.77  26.99   0.00  29.31   0.00   1.15   0.41   0.38   1.95   1.34   2.13   0.00   0.00   0.00   0.00   0.00   21.7     0.0      0.
0.00
 565  10.400  20.00  0.00     1.00     0.00   7.75  27.00   0.00  29.31   0.00   1.16   0.42   0.39   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   21.7     0.0      0.
0.00
 566  10.300  20.00  0.00     1.00     0.00   7.73  27.02   0.00  29.32   0.00   1.16   0.42   0.39   1.97   1.34   2.16   0.00   0.00   0.00   0.00   0.00   21.6     0.0      0.
0.00
 567  10.200  20.00  0.00     1.00     0.00   7.71  26.99   0.00  29.29   0.00   1.16   0.42   0.39   1.97   1.34   2.15   0.00   0.00   0.00   0.00   0.00   21.5     0.0      0.
0.00
 568  10.100  20.00  0.00     1.00     0.00   7.70  26.97   0.00  29.26   0.00   1.16   0.42   0.39   1.97   1.34   2.15   0.00   0.00   0.00   0.00   0.00   21.4     0.0      0.
0.00
 569  10.000  20.00  0.00     1.00     0.00   7.68  26.94   0.00  29.23   0.00   1.16   0.42   0.39   1.97   1.34   2.15   0.00   0.00   0.00   0.00   0.00   21.4     0.0      0.
0.00
 570   9.900  20.00  0.00     1.00     0.00   7.67  26.92   0.00  29.19   0.00   1.16   0.42   0.39   1.97   1.34   2.15   0.00   0.00   0.00   0.00   0.00   21.3     0.0      0.
0.00
 571   9.800  20.00  0.00     1.00     0.00   7.66  26.90   0.00  29.16   0.00   1.16   0.42   0.39   1.97   1.34   2.15   0.00   0.00   0.00   0.00   0.00   21.2     0.0      0.
0.00
 572   9.700  20.00  0.00     1.00     0.00   7.64  26.87   0.00  29.13   0.00   1.16   0.42   0.39   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   21.2     0.0      0.
0.00
 573   9.600  20.00  0.00     1.00     0.00   7.63  26.85   0.00  29.10   0.00   1.16   0.42   0.39   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   21.1     0.0      0.
0.00
 574   9.500  20.00  0.00     1.00     0.00   7.62  26.83   0.00  29.07   0.00   1.16   0.42   0.38   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   21.0     0.0      0.
0.00
 575   9.400  20.00  0.00     1.00     0.00   7.60  26.80   0.00  29.04   0.00   1.16   0.42   0.38   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   21.0     0.0      0.
0.00
 576   9.300  20.00  0.00     1.00     0.00   7.59  26.78   0.00  29.01   0.00   1.16   0.42   0.38   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.9     0.0      0.
0.00
 577   9.200  20.00  0.00     1.00     0.00   7.58  26.76   0.00  28.98   0.00   1.16   0.42   0.38   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.8     0.0      0.
0.00
 578   9.100  20.00  0.00     1.00     0.00   7.57  26.74   0.00  28.95   0.00   1.16   0.42   0.38   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.7     0.0      0.
0.00
 579   9.000  20.00  0.00     1.00     0.00   7.55  26.71   0.00  28.92   0.00   1.16   0.42   0.38   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.7     0.0      0.
0.00
 580   8.900  20.00  0.00     1.00     0.00   7.54  26.69   0.00  28.89   0.00   1.16   0.42   0.38   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.6     0.0      0.
0.00
 581   8.800  20.00  0.00     1.00     0.00   7.53  26.68   0.00  28.87   0.00   1.16   0.42   0.38   1.96   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.5     0.0      0.
0.00
 582   8.700  20.00  0.00     1.00     0.00   7.52  26.66   0.00  28.84   0.00   1.16   0.42   0.38   1.97   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.5     0.0      0.
0.00
 583   8.600  20.00  0.00     1.00     0.00   7.50  26.64   0.00  28.82   0.00   1.16   0.42   0.38   1.97   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.4     0.0      0.
0.00
 584   8.500  20.00  0.00     1.00     0.00   7.49  26.63   0.00  28.80   0.00   1.17   0.42   0.38   1.98   1.34   2.15   0.00   0.00   0.00   0.00   0.00   20.3     0.0      0.
0.00
 585   8.400  20.00  0.00     1.00     0.00   7.48  26.59   0.00  28.76   0.00   1.17   0.42   0.38   1.97   1.34   2.15   0.00   0.00   0.00   0.00   0.00   20.3     0.0      0.
0.00
 586   8.300  20.00  0.00     1.00     0.00   7.47  26.56   0.00  28.71   0.00   1.17   0.42   0.38   1.97   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.2     0.0      0.
0.00
 587   8.200  20.00  0.00     1.00     0.00   7.46  26.51   0.00  28.66   0.00   1.17   0.42   0.38   1.97   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.1     0.0      0.
0.00
 588   8.100  20.00  0.00     1.00     0.00   7.45  26.47   0.00  28.61   0.00   1.17   0.42   0.38   1.97   1.34   2.14   0.00   0.00   0.00   0.00   0.00   20.0     0.0      0.
0.00
 589   8.000  20.00  0.00     1.00     0.00   7.44  26.41   0.00  28.55   0.00   1.17   0.42   0.38   1.96   1.34   2.13   0.00   0.00   0.00   0.00   0.00   20.0     0.0      0.
0.00
 590   7.900  20.00  0.00     1.00     0.00   7.43  26.35   0.00  28.48   0.00   1.17   0.41   0.38   1.96   1.34   2.13   0.00   0.00   0.00   0.00   0.00   19.9     0.0      0.
0.00
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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 591 | 7.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.42 | 26.28 | 0.00 | 28.40 | 0.00 | 1.17 | 0.41 | 0.38 | 1.96 | 1.34 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0.0 |
| 592 | 7.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.41 | 26.20 | 0.00 | 28.31 | 0.00 | 1.17 | 0.41 | 0.38 | 1.95 | 1.34 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.8 | 0.0 | 0.0 |
| 593 | 7.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.40 | 26.09 | 0.00 | 28.20 | 0.00 | 1.17 | 0.41 | 0.37 | 1.95 | 1.34 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.7 | 0.0 | 0.0 |
| 594 | 7.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.40 | 25.97 | 0.00 | 28.07 | 0.00 | 1.17 | 0.40 | 0.37 | 1.94 | 1.34 | 2.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0.0 |
| 595 | 7.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.39 | 25.82 | 0.00 | 27.91 | 0.00 | 1.17 | 0.40 | 0.37 | 1.94 | 1.34 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.6 | 0.0 | 0.0 |
| 596 | 7.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.38 | 25.63 | 0.00 | 27.71 | 0.00 | 1.18 | 0.39 | 0.36 | 1.93 | 1.34 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.5 | 0.0 | 0.0 |
| 597 | 7.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.37 | 25.40 | 0.00 | 27.48 | 0.00 | 1.18 | 0.38 | 0.35 | 1.92 | 1.35 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.4 | 0.0 | 0.0 |
| 598 | 7.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.36 | 25.11 | 0.00 | 27.18 | 0.00 | 1.19 | 0.37 | 0.35 | 1.91 | 1.35 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.3 | 0.0 | 0.0 |
| 599 | 7.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.35 | 24.75 | 0.00 | 26.81 | 0.00 | 1.19 | 0.36 | 0.34 | 1.89 | 1.36 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.3 | 0.0 | 0.0 |
| 600 | 6.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.34 | 24.30 | 0.00 | 26.35 | 0.00 | 1.20 | 0.35 | 0.32 | 1.87 | 1.36 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.2 | 0.0 | 0.0 |
| 601 | 6.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.33 | 23.72 | 0.00 | 25.77 | 0.00 | 1.21 | 0.33 | 0.31 | 1.85 | 1.37 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0.0 |
| 602 | 6.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.31 | 22.99 | 0.00 | 25.03 | 0.00 | 1.22 | 0.31 | 0.28 | 1.82 | 1.38 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.1 | 0.0 | 0.0 |
| 603 | 6.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 22.07 | 0.00 | 24.10 | 0.00 | 1.24 | 0.28 | 0.26 | 1.78 | 1.40 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0.0 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 561 | 10.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 562 | 10.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 563 | 10.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 564 | 10.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 565 | 10.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 566 | 10.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 567 | 10.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 568 | 10.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 569 | 10.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 570 | 9.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 571 | 9.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 572 | 9.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 573 | 9.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 574 | 9.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 575 | 9.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 21.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 576 | 9.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 577 | 9.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 578 | 9.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 579 | 9.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 580 | 8.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 581 | 8.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 582 | 8.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 583 | 8.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 584 | 8.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 585 | 8.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 586 | 8.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 587 | 8.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 588 | 8.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 589 | 8.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 590 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 591 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 592 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 593 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 594 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 595 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 596 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 597 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 598 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 599 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 600 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 601 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 602 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 603 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 9 Pontchatoula (YWR to base) TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | UPR RCH | 0.62962 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 22.07 | 0.00 | 24.10 | 0.00 | 1.24 | 0.28 | 0.26 | 0.00 | 19.00 | 0.00 | 0.00 |
| 613 | WSTLD | 0.00129 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 70.80 | 0.00 | 70.80 | 0.00 | 5.10 | 10.27 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.60 | 6.50 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.08 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 3115.38 | 0.002 | 35.000 | 0.008 |
| 605 | 6.50 | 6.40 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.23 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 3478.12 | 0.002 | 35.000 | 0.008 |
| 606 | 6.40 | 6.30 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.38 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 3840.86 | 0.002 | 35.000 | 0.008 |
| 607 | 6.30 | 6.20 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.53 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 4203.60 | 0.002 | 35.000 | 0.008 |
| 608 | 6.20 | 6.10 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.68 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 4566.34 | 0.003 | 35.000 | 0.008 |
| 609 | 6.10 | 6.00 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.83 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 4929.08 | 0.003 | 35.000 | 0.008 |
| 610 | 6.00 | 5.90 | 0.62962 | 3.6 | 0.00775 | 0.15 | 9.97 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 5291.82 | 0.003 | 35.000 | 0.008 |
| 611 | 5.90 | 5.80 | 0.62962 | 3.6 | 0.00775 | 0.15 | 10.12 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 5654.56 | 0.003 | 35.000 | 0.008 |
| 612 | 5.80 | 5.70 | 0.62962 | 3.6 | 0.00775 | 0.15 | 10.27 | 1.57 | 51.82 | 8123.29 | 5182.00 | 81.23 | 6017.30 | 0.003 | 35.000 | 0.008 |
| 613 | 5.70 | 5.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 10.42 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 6380.04 | 0.004 | 35.000 | 0.008 |
| 614 | 5.60 | 5.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 10.57 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 6742.79 | 0.004 | 35.000 | 0.008 |
| 615 | 5.50 | 5.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 10.72 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 7105.53 | 0.004 | 35.000 | 0.008 |
| 616 | 5.40 | 5.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 10.87 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 7468.27 | 0.004 | 35.000 | 0.008 |
| 617 | 5.30 | 5.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.02 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 7831.01 | 0.004 | 35.000 | 0.008 |
| 618 | 5.20 | 5.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.17 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 8193.75 | 0.005 | 35.000 | 0.008 |
| 619 | 5.10 | 5.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.32 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 8556.49 | 0.005 | 35.000 | 0.008 |
| 620 | 5.00 | 4.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.47 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 8919.23 | 0.005 | 35.000 | 0.008 |
| 621 | 4.90 | 4.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.61 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 9281.97 | 0.005 | 35.000 | 0.008 |
| 622 | 4.80 | 4.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.76 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 9644.71 | 0.005 | 35.000 | 0.008 |
| 623 | 4.70 | 4.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 11.91 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 10007.45 | 0.006 | 35.000 | 0.008 |
| 624 | 4.60 | 4.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.06 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 10370.19 | 0.006 | 35.000 | 0.008 |
| 625 | 4.50 | 4.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.21 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 10732.93 | 0.006 | 35.000 | 0.008 |
| 626 | 4.40 | 4.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.36 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 11095.67 | 0.006 | 35.000 | 0.008 |
| 627 | 4.30 | 4.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.51 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 11458.41 | 0.007 | 35.000 | 0.009 |
| 628 | 4.20 | 4.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.66 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 11821.15 | 0.007 | 35.000 | 0.009 |
| 629 | 4.10 | 4.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.81 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 12183.89 | 0.007 | 35.000 | 0.009 |
| 630 | 4.00 | 3.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 12.96 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 12546.63 | 0.007 | 35.000 | 0.009 |
| 631 | 3.90 | 3.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.11 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 12909.37 | 0.007 | 35.000 | 0.009 |
| 632 | 3.80 | 3.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.25 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 13272.11 | 0.008 | 35.000 | 0.009 |
| 633 | 3.70 | 3.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.40 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 13634.85 | 0.008 | 35.000 | 0.009 |
| 634 | 3.60 | 3.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.55 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 13997.59 | 0.008 | 35.000 | 0.010 |
| 635 | 3.50 | 3.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.70 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 14360.33 | 0.008 | 35.000 | 0.010 |
| 636 | 3.40 | 3.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 13.85 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 14723.07 | 0.008 | 35.000 | 0.010 |
| 637 | 3.30 | 3.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.00 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 15085.81 | 0.009 | 35.000 | 0.010 |
| 638 | 3.20 | 3.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.15 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 15448.55 | 0.009 | 35.000 | 0.010 |
| 639 | 3.10 | 3.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.30 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 15811.29 | 0.009 | 35.000 | 0.010 |
| 640 | 3.00 | 2.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.45 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 16174.03 | 0.009 | 35.000 | 0.011 |
| 641 | 2.90 | 2.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.60 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 16536.77 | 0.009 | 35.000 | 0.011 |
| 642 | 2.80 | 2.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.75 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 16899.51 | 0.010 | 35.000 | 0.011 |
| 643 | 2.70 | 2.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 14.89 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 17262.25 | 0.010 | 35.000 | 0.011 |
| 644 | 2.60 | 2.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.04 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 17624.99 | 0.010 | 35.000 | 0.011 |
| 645 | 2.50 | 2.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.19 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 17987.73 | 0.010 | 35.000 | 0.011 |
| 646 | 2.40 | 2.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.34 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 18350.47 | 0.010 | 35.000 | 0.012 |
| 647 | 2.30 | 2.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.49 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 18713.21 | 0.011 | 35.000 | 0.012 |
| 648 | 2.20 | 2.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.64 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 19075.95 | 0.011 | 35.000 | 0.012 |
| 649 | 2.10 | 2.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.79 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 19438.69 | 0.011 | 35.000 | 0.012 |
| 650 | 2.00 | 1.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 15.94 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 19801.43 | 0.011 | 35.000 | 0.012 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 651 | 1.90 | 1.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.09 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 20164.17 | 0.011 | 35.000 | 0.013 |
| 652 | 1.80 | 1.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.24 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 20526.91 | 0.012 | 35.000 | 0.013 |
| 653 | 1.70 | 1.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.38 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 20889.65 | 0.012 | 35.000 | 0.013 |
| 654 | 1.60 | 1.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.53 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 21252.39 | 0.012 | 35.000 | 0.013 |
| 655 | 1.50 | 1.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.68 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 21615.13 | 0.012 | 35.000 | 0.013 |
| 656 | 1.40 | 1.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.83 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 21977.88 | 0.013 | 35.000 | 0.014 |
| 657 | 1.30 | 1.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 16.98 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 22340.62 | 0.013 | 35.000 | 0.014 |
| 658 | 1.20 | 1.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.13 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 22703.36 | 0.013 | 35.000 | 0.014 |
| 659 | 1.10 | 1.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.28 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 23066.10 | 0.013 | 35.000 | 0.014 |
| 660 | 1.00 | 0.90 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.43 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 23428.84 | 0.013 | 35.000 | 0.014 |
| 661 | 0.90 | 0.80 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.58 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 23791.58 | 0.014 | 35.000 | 0.014 |
| 662 | 0.80 | 0.70 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.73 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 24154.32 | 0.014 | 35.000 | 0.015 |
| 663 | 0.70 | 0.60 | 0.63091 | 3.8 | 0.00776 | 0.15 | 17.88 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 24517.06 | 0.014 | 35.000 | 0.015 |
| 664 | 0.60 | 0.50 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.02 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 24879.80 | 0.014 | 35.000 | 0.015 |
| 665 | 0.50 | 0.40 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.17 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 25242.54 | 0.014 | 35.000 | 0.015 |
| 666 | 0.40 | 0.30 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.32 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 25605.28 | 0.015 | 35.000 | 0.015 |
| 667 | 0.30 | 0.20 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.47 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 25968.02 | 0.015 | 35.000 | 0.016 |
| 668 | 0.20 | 0.10 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.62 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 26330.76 | 0.015 | 35.000 | 0.016 |
| 669 | 0.10 | 0.00 | 0.63091 | 3.8 | 0.00776 | 0.15 | 18.77 | 1.57 | 51.82 | 8125.41 | 5182.00 | 81.25 | 26693.50 | 0.015 | 35.000 | 0.016 |
| TOT | | | | | | 9.84 | | | | 536257.88 | 342012.00 | | | | | |
| AVG | | | | | 0.0078 | | | 1.57 | 51.82 | | | 81.25 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS
**********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 605 | 6.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 606 | 6.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 607 | 6.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 608 | 6.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 609 | 6.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 610 | 5.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 611 | 5.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 612 | 5.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 613 | 5.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 614 | 5.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 615 | 5.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 616 | 5.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 617 | 5.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 618 | 5.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 619 | 5.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 620 | 4.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 621 | 4.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 622 | 4.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 623 | 4.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 624 | 4.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 625 | 4.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 626 | 4.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 627 | 4.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 628 | 4.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 629 | 4.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 630 | 3.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 631 | 3.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 632 | 3.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 633 | 3.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 634 | 3.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 635 | 3.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 636 | 3.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 637 | 3.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 638 | 3.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 639 | 3.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 640 | 2.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 641 | 2.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 642 | 2.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 643 | 2.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 644 | 2.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 645 | 2.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 646 | 2.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 647 | 2.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 648 | 2.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 649 | 2.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 650 | 1.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 651 | 1.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 652 | 1.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 653 | 1.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 654 | 1.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 655 | 1.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 656 | 1.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 657 | 1.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 658 | 1.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 659 | 1.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 660 | 0.900 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 661 | 0.800 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 662 | 0.700 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 663 | 0.600 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 664 | 0.500 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 665 | 0.400 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 666 | 0.300 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 667 | 0.200 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 668 | 0.100 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 669 | 0.000 | 9.09 | 0.45 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.80 | 0.80 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 0.45 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES **********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.90 | 0.00 | 23.93 | 0.00 | 1.24 | 0.28 | 0.25 | 1.77 | 1.40 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 605 | 6.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.81 | 0.00 | 23.84 | 0.00 | 1.24 | 0.27 | 0.25 | 1.77 | 1.40 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 606 | 6.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.72 | 0.00 | 23.75 | 0.00 | 1.25 | 0.27 | 0.25 | 1.76 | 1.41 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 607 | 6.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.63 | 0.00 | 23.66 | 0.00 | 1.25 | 0.27 | 0.24 | 1.76 | 1.41 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 608 | 6.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.54 | 0.00 | 23.57 | 0.00 | 1.25 | 0.27 | 0.24 | 1.75 | 1.41 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 609 | 6.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.46 | 0.00 | 23.49 | 0.00 | 1.25 | 0.26 | 0.24 | 1.75 | 1.41 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 610 | 5.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.38 | 0.00 | 23.41 | 0.00 | 1.25 | 0.26 | 0.23 | 1.75 | 1.41 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 611 | 5.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.30 | 0.00 | 23.33 | 0.00 | 1.26 | 0.26 | 0.23 | 1.74 | 1.42 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 612 | 5.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.23 | 0.00 | 23.26 | 0.00 | 1.26 | 0.26 | 0.23 | 1.74 | 1.42 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 613 | 5.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.16 | 0.00 | 23.18 | 0.00 | 1.26 | 0.25 | 0.22 | 1.74 | 1.42 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 614 | 5.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.08 | 0.00 | 23.11 | 0.00 | 1.26 | 0.25 | 0.22 | 1.73 | 1.42 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 615 | 5.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 21.01 | 0.00 | 23.04 | 0.00 | 1.27 | 0.25 | 0.22 | 1.73 | 1.43 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 616 | 5.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.94 | 0.00 | 22.97 | 0.00 | 1.27 | 0.25 | 0.21 | 1.73 | 1.43 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 617 | 5.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.88 | 0.00 | 22.91 | 0.00 | 1.27 | 0.24 | 0.21 | 1.72 | 1.43 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 618 | 5.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.82 | 0.00 | 22.85 | 0.00 | 1.27 | 0.24 | 0.21 | 1.72 | 1.44 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 619 | 5.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.76 | 0.00 | 22.79 | 0.00 | 1.28 | 0.24 | 0.20 | 1.72 | 1.44 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 620 | 4.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.70 | 0.00 | 22.73 | 0.00 | 1.28 | 0.23 | 0.20 | 1.72 | 1.44 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 621 | 4.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.65 | 0.00 | 22.68 | 0.00 | 1.28 | 0.23 | 0.20 | 1.71 | 1.44 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 622 | 4.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.60 | 0.00 | 22.62 | 0.00 | 1.29 | 0.23 | 0.20 | 1.71 | 1.45 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 623 | 4.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.55 | 0.00 | 22.58 | 0.00 | 1.29 | 0.23 | 0.19 | 1.71 | 1.45 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 624 | 4.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.50 | 0.00 | 22.53 | 0.00 | 1.29 | 0.23 | 0.19 | 1.71 | 1.45 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 625 | 4.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.30 | 20.46 | 0.00 | 22.49 | 0.00 | 1.30 | 0.22 | 0.19 | 1.71 | 1.46 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 626 | 4.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.42 | 0.00 | 22.45 | 0.00 | 1.30 | 0.22 | 0.18 | 1.70 | 1.46 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 627 | 4.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.38 | 0.00 | 22.41 | 0.00 | 1.30 | 0.22 | 0.18 | 1.70 | 1.46 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 628 | 4.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.35 | 0.00 | 22.38 | 0.00 | 1.31 | 0.22 | 0.18 | 1.70 | 1.47 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 629 | 4.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.32 | 0.00 | 22.35 | 0.00 | 1.31 | 0.21 | 0.17 | 1.70 | 1.47 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 630 | 3.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.29 | 0.00 | 22.32 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 1.48 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 631 | 3.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.27 | 0.00 | 22.30 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 1.48 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 632 | 3.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.25 | 0.00 | 22.28 | 0.00 | 1.32 | 0.21 | 0.17 | 1.70 | 1.49 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 633 | 3.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.29 | 20.23 | 0.00 | 22.26 | 0.00 | 1.33 | 0.21 | 0.16 | 1.70 | 1.49 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 634 | 3.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.28 | 20.22 | 0.00 | 22.25 | 0.00 | 1.33 | 0.20 | 0.16 | 1.70 | 1.50 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 635 | 3.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.28 | 20.21 | 0.00 | 22.24 | 0.00 | 1.34 | 0.20 | 0.16 | 1.70 | 1.50 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 636 | 3.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.28 | 20.21 | 0.00 | 22.24 | 0.00 | 1.34 | 0.20 | 0.15 | 1.70 | 1.51 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 637 | 3.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.28 | 20.21 | 0.00 | 22.23 | 0.00 | 1.35 | 0.20 | 0.15 | 1.70 | 1.51 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 638 | 3.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.27 | 20.21 | 0.00 | 22.24 | 0.00 | 1.35 | 0.20 | 0.15 | 1.70 | 1.52 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 639 | 3.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.27 | 20.21 | 0.00 | 22.24 | 0.00 | 1.36 | 0.19 | 0.15 | 1.70 | 1.52 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 640 | 2.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.26 | 20.22 | 0.00 | 22.25 | 0.00 | 1.37 | 0.19 | 0.14 | 1.70 | 1.53 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 641 | 2.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.26 | 20.24 | 0.00 | 22.27 | 0.00 | 1.37 | 0.19 | 0.14 | 1.70 | 1.53 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 642 | 2.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.25 | 20.26 | 0.00 | 22.29 | 0.00 | 1.38 | 0.19 | 0.14 | 1.71 | 1.54 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 643 | 2.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.25 | 20.28 | 0.00 | 22.31 | 0.00 | 1.38 | 0.19 | 0.14 | 1.71 | 1.55 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 644 | 2.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.24 | 20.31 | 0.00 | 22.34 | 0.00 | 1.39 | 0.19 | 0.13 | 1.71 | 1.55 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 645 | 2.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.24 | 20.34 | 0.00 | 22.37 | 0.00 | 1.40 | 0.18 | 0.13 | 1.71 | 1.56 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 646 | 2.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.23 | 20.38 | 0.00 | 22.40 | 0.00 | 1.40 | 0.18 | 0.13 | 1.71 | 1.57 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 647 | 2.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.22 | 20.42 | 0.00 | 22.45 | 0.00 | 1.41 | 0.18 | 0.13 | 1.72 | 1.57 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 648 | 2.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.21 | 20.46 | 0.00 | 22.49 | 0.00 | 1.42 | 0.18 | 0.12 | 1.72 | 1.58 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 649 | 2.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.20 | 20.51 | 0.00 | 22.54 | 0.00 | 1.43 | 0.18 | 0.12 | 1.72 | 1.59 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 650 | 1.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.19 | 20.57 | 0.00 | 22.60 | 0.00 | 1.43 | 0.18 | 0.12 | 1.73 | 1.59 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 651 | 1.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.19 | 20.63 | 0.00 | 22.66 | 0.00 | 1.44 | 0.17 | 0.12 | 1.73 | 1.60 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 652 | 1.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.17 | 20.70 | 0.00 | 22.73 | 0.00 | 1.45 | 0.17 | 0.11 | 1.74 | 1.61 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 653 | 1.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.16 | 20.77 | 0.00 | 22.80 | 0.00 | 1.46 | 0.17 | 0.11 | 1.74 | 1.62 | 1.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 654 | 1.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.15 | 20.85 | 0.00 | 22.88 | 0.00 | 1.47 | 0.17 | 0.11 | 1.75 | 1.63 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 655 | 1.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.14 | 20.93 | 0.00 | 22.96 | 0.00 | 1.47 | 0.17 | 0.11 | 1.75 | 1.64 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 656 | 1.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.13 | 21.02 | 0.00 | 23.05 | 0.00 | 1.48 | 0.17 | 0.11 | 1.76 | 1.64 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 657 | 1.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.11 | 21.11 | 0.00 | 23.14 | 0.00 | 1.49 | 0.17 | 0.10 | 1.76 | 1.65 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 658 | 1.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.10 | 21.22 | 0.00 | 23.24 | 0.00 | 1.50 | 0.16 | 0.10 | 1.77 | 1.66 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 659 | 1.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.08 | 21.32 | 0.00 | 23.35 | 0.00 | 1.51 | 0.16 | 0.10 | 1.78 | 1.67 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 660 | 0.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.07 | 21.44 | 0.00 | 23.47 | 0.00 | 1.52 | 0.16 | 0.10 | 1.78 | 1.68 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 661 | 0.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.05 | 21.56 | 0.00 | 23.59 | 0.00 | 1.53 | 0.16 | 0.10 | 1.79 | 1.69 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 662 | 0.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.03 | 21.69 | 0.00 | 23.71 | 0.00 | 1.54 | 0.16 | 0.10 | 1.80 | 1.70 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 663 | 0.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.01 | 21.82 | 0.00 | 23.85 | 0.00 | 1.55 | 0.16 | 0.09 | 1.81 | 1.72 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 664 | 0.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.99 | 21.96 | 0.00 | 23.99 | 0.00 | 1.56 | 0.16 | 0.09 | 1.81 | 1.73 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 665 | 0.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.97 | 22.11 | 0.00 | 24.14 | 0.00 | 1.58 | 0.16 | 0.09 | 1.82 | 1.74 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 666 | 0.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.95 | 22.27 | 0.00 | 24.30 | 0.00 | 1.59 | 0.15 | 0.09 | 1.83 | 1.75 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 667 | 0.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.93 | 22.43 | 0.00 | 24.46 | 0.00 | 1.60 | 0.15 | 0.09 | 1.84 | 1.76 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 668 | 0.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.90 | 22.60 | 0.00 | 24.63 | 0.00 | 1.61 | 0.15 | 0.09 | 1.85 | 1.77 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 669 | 0.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.88 | 22.78 | 0.00 | 24.81 | 0.00 | 1.63 | 0.15 | 0.09 | 1.86 | 1.79 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 604 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 605 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 606 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 607 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 608 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 609 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 610 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 611 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 612 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 613 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 614 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 615 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 616 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 617 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 618 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 619 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 620 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 621 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 622 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 623 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 624 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 625 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 626 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 627 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 628 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 629 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 630 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 631 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 632 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 633 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 634 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 635 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 636 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 637 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 638 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 639 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 640 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 641 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 642 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 643 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 644 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 645 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 646 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 647 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 648 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 649 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 650 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 651 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 652 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 653 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 654 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 655 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 656 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 657 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 658 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 659 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 660 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 661 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 662 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 663 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 664 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 665 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 666 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 667 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 668 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 669 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 19.0 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Pont. Trib. LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 2 Pontchatoula Trib. TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | HDWTR | 0.02830 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 21.36 | 0.00 | 22.00 | 0.00 | 3.96 | 0.15 | 0.02 | 0.00 | 6.00 | 0.00 | 0.00 |
| 193 | WSTLD | 0.00386 | 20.00 | 0.00 | 0.00 | 0.00 | 5.00 | 22.00 | 0.00 | 22.00 | 0.00 | 4.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | WSTLD | 0.00386 | 20.00 | 0.00 | 0.00 | 0.00 | 5.00 | 23.00 | 0.00 | 23.00 | 0.00 | 1.70 | 3.33 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW m³/s | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME m³ | SURFACE AREA m² | X-SECT AREA m² | TIDAL PRISM m³ | TIDAL VELO m/s | DISPRSN m²/s | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 8.00 | 7.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.01 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 124 | 7.90 | 7.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.01 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 125 | 7.80 | 7.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.02 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 126 | 7.70 | 7.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.03 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 127 | 7.60 | 7.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.04 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 128 | 7.50 | 7.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.04 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 129 | 7.40 | 7.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.05 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 130 | 7.30 | 7.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.06 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 131 | 7.20 | 7.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.07 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 132 | 7.10 | 7.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.07 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 133 | 7.00 | 6.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.08 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 134 | 6.90 | 6.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.09 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 135 | 6.80 | 6.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.10 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 136 | 6.70 | 6.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.10 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 137 | 6.60 | 6.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.11 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 138 | 6.50 | 6.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.12 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 139 | 6.40 | 6.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.12 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 140 | 6.30 | 6.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.13 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 141 | 6.20 | 6.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.14 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 142 | 6.10 | 6.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.15 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 143 | 6.00 | 5.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.15 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 144 | 5.90 | 5.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.16 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 145 | 5.80 | 5.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.17 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 146 | 5.70 | 5.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.18 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 147 | 5.60 | 5.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.18 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 148 | 5.50 | 5.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.19 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 149 | 5.40 | 5.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.20 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 150 | 5.30 | 5.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.20 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 151 | 5.20 | 5.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.21 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 152 | 5.10 | 5.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.22 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 153 | 5.00 | 4.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.23 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154 | 4.90 | 4.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.23 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 155 | 4.80 | 4.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.24 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 156 | 4.70 | 4.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.25 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 157 | 4.60 | 4.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.26 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 158 | 4.50 | 4.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.26 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 159 | 4.40 | 4.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.27 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 160 | 4.30 | 4.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.28 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 161 | 4.20 | 4.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.29 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 162 | 4.10 | 4.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.29 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 163 | 4.00 | 3.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.30 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 164 | 3.90 | 3.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.31 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 165 | 3.80 | 3.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.31 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 166 | 3.70 | 3.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.32 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 167 | 3.60 | 3.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.33 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 168 | 3.50 | 3.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.34 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 169 | 3.40 | 3.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.34 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 170 | 3.30 | 3.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.35 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 171 | 3.20 | 3.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.36 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 172 | 3.10 | 3.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.37 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 173 | 3.00 | 2.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.37 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 174 | 2.90 | 2.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.38 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 175 | 2.80 | 2.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.39 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 176 | 2.70 | 2.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.40 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 177 | 2.60 | 2.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.40 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 178 | 2.50 | 2.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.41 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 179 | 2.40 | 2.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.42 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 180 | 2.30 | 2.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.42 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 181 | 2.20 | 2.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.43 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 182 | 2.10 | 2.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.44 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 183 | 2.00 | 1.90 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.45 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 184 | 1.90 | 1.80 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.45 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 185 | 1.80 | 1.70 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.46 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 186 | 1.70 | 1.60 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.47 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 187 | 1.60 | 1.50 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.48 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 188 | 1.50 | 1.40 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.48 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 189 | 1.40 | 1.30 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.49 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 190 | 1.30 | 1.20 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.50 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 191 | 1.20 | 1.10 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.50 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 192 | 1.10 | 1.00 | 0.02830 | 0.0 | 0.15816 | 0.01 | 0.51 | 0.20 | 0.91 | 17.89 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.158 |
| 193 | 1.00 | 0.90 | 0.03216 | 12.0 | 0.17682 | 0.01 | 0.52 | 0.20 | 0.91 | 18.19 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.177 |
| 194 | 0.90 | 0.80 | 0.03216 | 12.0 | 0.17682 | 0.01 | 0.53 | 0.20 | 0.91 | 18.19 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.177 |
| 195 | 0.80 | 0.70 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.53 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 196 | 0.70 | 0.60 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.54 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 197 | 0.60 | 0.50 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.54 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 198 | 0.50 | 0.40 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.55 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 199 | 0.40 | 0.30 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.56 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 200 | 0.30 | 0.20 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.56 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 201 | 0.20 | 0.10 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.57 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| 202 | 0.10 | 0.00 | 0.03602 | 21.4 | 0.19520 | 0.01 | 0.57 | 0.20 | 0.91 | 18.45 | 91.00 | 0.18 | 0.00 | 0.000 | 0.000 | 0.195 |
| TOT | | | | | | 0.57 | | | | 1436.55 | 7280.00 | | | | | |
| AVG | | | | | 0.1617 | | | 0.20 | 0.91 | | | 0.18 | | | | |

****************************************************************************** BIOLOGICAL AND PHYSICAL COEFFICIENTS
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| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 7.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 7.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 7.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 7.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 7.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 7.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 7.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 7.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 7.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 6.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 6.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 6.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 6.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 137 | 6.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 6.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 6.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 6.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 6.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 6.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 5.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 5.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 5.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 5.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 5.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 148 | 5.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 5.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 5.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 5.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 5.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 4.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 4.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 4.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 4.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 4.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 4.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 4.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 4.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 4.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 4.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 3.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 3.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 3.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 3.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167 | 3.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 168 | 3.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 169 | 3.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 3.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 171 | 3.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172 | 3.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 173 | 2.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 174 | 2.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 2.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 176 | 2.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177 | 2.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 178 | 2.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 179 | 2.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 2.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 181 | 2.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 182 | 2.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 183 | 1.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 184 | 1.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 185 | 1.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 186 | 1.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 187 | 1.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 188 | 1.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 189 | 1.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190 | 1.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 191 | 1.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 192 | 1.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 193 | 0.900 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 194 | 0.800 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 195 | 0.700 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 196 | 0.600 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 197 | 0.500 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 198 | 0.400 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 199 | 0.300 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 0.200 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 201 | 0.100 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 202 | 0.000 | 9.09 | 10.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 10.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NCM | | | | | | | | | | | | | | | | | | | | | | | | |
| 123 | 7.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.00 | 21.35 | 0.00 | 21.98 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 124 | 7.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.14 | 21.33 | 0.00 | 21.96 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | 7.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.27 | 21.32 | 0.00 | 21.94 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 126 | 7.600 | 20.00 | 0.00 | 1.00 | 0.00 | 7.39 | 21.31 | 0.00 | 21.93 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 127 | 7.500 | 20.00 | 0.00 | 1.00 | 0.00 | 7.50 | 21.30 | 0.00 | 21.91 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 128 | 7.400 | 20.00 | 0.00 | 1.00 | 0.00 | 7.61 | 21.28 | 0.00 | 21.89 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.96 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 129 | 7.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.71 | 21.27 | 0.00 | 21.87 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | 7.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.80 | 21.26 | 0.00 | 21.85 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 131 | 7.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.88 | 21.25 | 0.00 | 21.83 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | 7.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.96 | 21.23 | 0.00 | 21.81 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 133 | 6.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.04 | 21.22 | 0.00 | 21.79 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 134 | 6.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.10 | 21.21 | 0.00 | 21.78 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 135 | 6.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.17 | 21.20 | 0.00 | 21.76 | 0.00 | 3.91 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 136 | 6.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.23 | 21.18 | 0.00 | 21.74 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 137 | 6.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.28 | 21.17 | 0.00 | 21.72 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 138 | 6.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.34 | 21.16 | 0.00 | 21.70 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 139 | 6.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.38 | 21.14 | 0.00 | 21.68 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | 6.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.43 | 21.13 | 0.00 | 21.66 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 141 | 6.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.47 | 21.12 | 0.00 | 21.65 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.95 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 142 | 6.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 21.11 | 0.00 | 21.63 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 143 | 5.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 21.09 | 0.00 | 21.61 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 144 | 5.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 21.08 | 0.00 | 21.59 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 145 | 5.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 21.07 | 0.00 | 21.57 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 146 | 5.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 21.06 | 0.00 | 21.55 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 147 | 5.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 21.04 | 0.00 | 21.54 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 148 | 5.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.69 | 21.03 | 0.00 | 21.52 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 149 | 5.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.72 | 21.02 | 0.00 | 21.50 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 5.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.74 | 21.01 | 0.00 | 21.48 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 151 | 5.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.76 | 20.99 | 0.00 | 21.46 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 152 | 5.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.78 | 20.98 | 0.00 | 21.44 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 153 | 4.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.80 | 20.97 | 0.00 | 21.42 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 154 | 4.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.81 | 20.96 | 0.00 | 21.41 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.94 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 155 | 4.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.83 | 20.94 | 0.00 | 21.39 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 156 | 4.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.84 | 20.93 | 0.00 | 21.37 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 157 | 4.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.86 | 20.92 | 0.00 | 21.35 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 158 | 4.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.87 | 20.91 | 0.00 | 21.33 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 159 | 4.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.88 | 20.90 | 0.00 | 21.31 | 0.00 | 3.90 | 0.15 | 0.02 | 4.08 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | 4.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.89 | 20.88 | 0.00 | 21.30 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 161 | 4.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.90 | 20.87 | 0.00 | 21.28 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 162 | 4.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.91 | 20.86 | 0.00 | 21.26 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 163 | 3.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.92 | 20.85 | 0.00 | 21.24 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 164 | 3.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.93 | 20.83 | 0.00 | 21.22 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 165 | 3.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.93 | 20.82 | 0.00 | 21.20 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 166 | 3.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.94 | 20.81 | 0.00 | 21.18 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 167 | 3.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.95 | 20.80 | 0.00 | 21.17 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.93 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 168 | 3.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.95 | 20.78 | 0.00 | 21.15 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 169 | 3.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 20.77 | 0.00 | 21.13 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | 3.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.96 | 20.76 | 0.00 | 21.11 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 171 | 3.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 20.75 | 0.00 | 21.09 | 0.00 | 3.90 | 0.15 | 0.02 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 172 | 3.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.97 | 20.73 | 0.00 | 21.07 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 173 | 2.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 20.72 | 0.00 | 21.06 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 174 | 2.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 20.71 | 0.00 | 21.04 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 175 | 2.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.98 | 20.70 | 0.00 | 21.02 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 176 | 2.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.99 | 20.69 | 0.00 | 21.00 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 177 | 2.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.99 | 20.67 | 0.00 | 20.98 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 178 | 2.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.99 | 20.66 | 0.00 | 20.97 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 179 | 2.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 20.65 | 0.00 | 20.95 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 2.200 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 20.64 | 0.00 | 20.93 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 181 | 2.100 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 20.62 | 0.00 | 20.91 | 0.00 | 3.89 | 0.15 | 0.03 | 4.07 | 3.91 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 182 | 2.000 | 20.00 | 0.00 | 1.00 | 0.00 | 9.00 | 20.61 | 0.00 | 20.89 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 183 | 1.900 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.60 | 0.00 | 20.87 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 184 | 1.800 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.59 | 0.00 | 20.86 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 185 | 1.700 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.57 | 0.00 | 20.84 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 186 | 1.600 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.56 | 0.00 | 20.82 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 187 | 1.500 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.55 | 0.00 | 20.80 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 188 | 1.400 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.54 | 0.00 | 20.78 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 189 | 1.300 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.53 | 0.00 | 20.76 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 190 | 1.200 | 20.00 | 0.00 | 1.00 | 0.00 | 9.01 | 20.51 | 0.00 | 20.75 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 191 | 1.100 | 20.00 | 0.00 | 1.00 | 0.00 | 9.02 | 20.50 | 0.00 | 20.73 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 192 | 1.000 | 20.00 | 0.00 | 1.00 | 0.00 | 9.02 | 20.49 | 0.00 | 20.71 | 0.00 | 3.89 | 0.16 | 0.03 | 4.07 | 3.91 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193 | 0.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 20.66 | 0.00 | 20.87 | 0.00 | 3.90 | 0.16 | 0.02 | 4.08 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 194 | 0.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 20.65 | 0.00 | 20.86 | 0.00 | 3.90 | 0.16 | 0.02 | 4.08 | 3.92 | 4.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 195 | 0.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.25 | 20.89 | 0.00 | 21.09 | 0.00 | 3.67 | 0.50 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.9 | 0.0 | 0.00 |
| 196 | 0.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.29 | 20.88 | 0.00 | 21.08 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.8 | 0.0 | 0.00 |
| 197 | 0.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.33 | 20.87 | 0.00 | 21.06 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.8 | 0.0 | 0.00 |
| 198 | 0.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.37 | 20.86 | 0.00 | 21.04 | 0.00 | 3.67 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.7 | 0.0 | 0.00 |
| 199 | 0.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.41 | 20.85 | 0.00 | 21.03 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.7 | 0.0 | 0.00 |
| 200 | 0.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.44 | 20.84 | 0.00 | 21.01 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.6 | 0.0 | 0.00 |
| 201 | 0.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.47 | 20.83 | 0.00 | 21.00 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.6 | 0.0 | 0.00 |
| 202 | 0.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 20.82 | 0.00 | 20.98 | 0.00 | 3.66 | 0.49 | 0.24 | 4.40 | 3.68 | 4.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.5 | 0.0 | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA **********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 123 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 124 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 125 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 126 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 127 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 128 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 129 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 130 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 131 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 132 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 133 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 134 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 135 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 136 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 137 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 138 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 139 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 140 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 141 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 142 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 143 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 144 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 145 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 146 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 147 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 148 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 149 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 150 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 151 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 152 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 153 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 154 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 155 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 156 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 157 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 158 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 159 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 160 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 161 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 162 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 163 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 164 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 165 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 166 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 167 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 168 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 169 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 170 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 171 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 172 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 173 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 174 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 175 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 176 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 177 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 178 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 179 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 180 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 181 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 182 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 183 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 184 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 185 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 186 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 187 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 188 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 189 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 190 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 191 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 192 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 193 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 194 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 195 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 196 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 197 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 198 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 199 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 200 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 201 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 202 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 1.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT East Pont. LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 5 East Pontchatoula TMDL Simulation

********** REACH INPUTS
**********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | HDWTR | 0.02830 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 12.47 | 0.00 | 13.00 | 0.00 | 1.15 | 0.11 | 0.09 | 0.00 | 5.00 | 0.00 | 0.00 |
| EACH | INCR | 0.00009 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 13.00 | 0.00 | | | 1.15 | 0.11 | 0.09 | 0.00 | 0.00 | 0.00 | |
| 302 | WSTLD | 0.00079 | 20.00 | 0.00 | 0.00 | 0.00 | 2.30 | 66.90 | 0.00 | 66.90 | 0.00 | 4.90 | 9.70 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | WSTLD | 0.00046 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | WSTLD | 0.00007 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 103.50 | 0.00 | 103.50 | 0.00 | 7.50 | 15.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | WSTLD | 0.00024 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 72.00 | 0.00 | 72.00 | 0.00 | 5.20 | 10.44 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | WSTLD | 0.00301 | 20.00 | 0.00 | 0.00 | 0.00 | 3.20 | 50.70 | 0.00 | 50.70 | 0.00 | 3.70 | 7.34 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES
**********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.90 | 10.80 | 0.02839 | 0.0 | 0.01927 | 0.06 | 0.06 | 0.38 | 3.87 | 147.34 | 387.00 | 1.47 | 0.00 | 0.000 | 0.000 | 0.019 |
| 281 | 10.80 | 10.70 | 0.02848 | 0.0 | 0.01932 | 0.06 | 0.12 | 0.38 | 3.87 | 147.41 | 387.00 | 1.47 | 0.00 | 0.000 | 0.000 | 0.019 |
| 282 | 10.70 | 10.60 | 0.02858 | 0.0 | 0.01938 | 0.06 | 0.18 | 0.38 | 3.87 | 147.47 | 387.00 | 1.47 | 0.00 | 0.000 | 0.000 | 0.019 |
| 283 | 10.60 | 10.50 | 0.02867 | 0.0 | 0.01943 | 0.06 | 0.24 | 0.38 | 3.87 | 147.53 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.019 |
| 284 | 10.50 | 10.40 | 0.02876 | 0.0 | 0.01949 | 0.06 | 0.30 | 0.38 | 3.87 | 147.59 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.019 |
| 285 | 10.40 | 10.30 | 0.02885 | 0.0 | 0.01954 | 0.06 | 0.36 | 0.38 | 3.87 | 147.65 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 286 | 10.30 | 10.20 | 0.02894 | 0.0 | 0.01959 | 0.06 | 0.42 | 0.38 | 3.87 | 147.71 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 287 | 10.20 | 10.10 | 0.02903 | 0.0 | 0.01965 | 0.06 | 0.48 | 0.38 | 3.87 | 147.77 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 288 | 10.10 | 10.00 | 0.02913 | 0.0 | 0.01970 | 0.06 | 0.53 | 0.38 | 3.87 | 147.83 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 289 | 10.00 | 9.90 | 0.02922 | 0.0 | 0.01976 | 0.06 | 0.59 | 0.38 | 3.87 | 147.89 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 290 | 9.90 | 9.80 | 0.02931 | 0.0 | 0.01981 | 0.06 | 0.65 | 0.38 | 3.87 | 147.94 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 291 | 9.80 | 9.70 | 0.02940 | 0.0 | 0.01987 | 0.06 | 0.71 | 0.38 | 3.87 | 148.00 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 292 | 9.70 | 9.60 | 0.02949 | 0.0 | 0.01992 | 0.06 | 0.77 | 0.38 | 3.87 | 148.06 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 293 | 9.60 | 9.50 | 0.02958 | 0.0 | 0.01997 | 0.06 | 0.83 | 0.38 | 3.87 | 148.12 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 294 | 9.50 | 9.40 | 0.02968 | 0.0 | 0.02003 | 0.06 | 0.88 | 0.38 | 3.87 | 148.18 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 295 | 9.40 | 9.30 | 0.02977 | 0.0 | 0.02008 | 0.06 | 0.94 | 0.38 | 3.87 | 148.24 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 296 | 9.30 | 9.20 | 0.02986 | 0.0 | 0.02014 | 0.06 | 1.00 | 0.38 | 3.87 | 148.30 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 297 | 9.20 | 9.10 | 0.02995 | 0.0 | 0.02019 | 0.06 | 1.06 | 0.38 | 3.87 | 148.35 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 298 | 9.10 | 9.00 | 0.03004 | 0.0 | 0.02024 | 0.06 | 1.11 | 0.38 | 3.87 | 148.41 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 299 | 9.00 | 8.90 | 0.03013 | 0.0 | 0.02030 | 0.06 | 1.17 | 0.38 | 3.87 | 148.47 | 387.00 | 1.48 | 0.00 | 0.000 | 0.000 | 0.020 |
| 300 | 8.90 | 8.80 | 0.03023 | 0.0 | 0.02035 | 0.06 | 1.23 | 0.38 | 3.87 | 148.53 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.020 |
| 301 | 8.80 | 8.70 | 0.03032 | 0.0 | 0.02040 | 0.06 | 1.28 | 0.38 | 3.87 | 148.59 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.020 |
| 302 | 8.70 | 8.60 | 0.03120 | 2.5 | 0.02092 | 0.06 | 1.34 | 0.39 | 3.87 | 149.13 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 303 | 8.60 | 8.50 | 0.03129 | 2.5 | 0.02098 | 0.06 | 1.39 | 0.39 | 3.87 | 149.19 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 304 | 8.50 | 8.40 | 0.03138 | 2.5 | 0.02103 | 0.06 | 1.45 | 0.39 | 3.87 | 149.24 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 305 | 8.40 | 8.30 | 0.03148 | 2.5 | 0.02108 | 0.05 | 1.50 | 0.39 | 3.87 | 149.30 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 306 | 8.30 | 8.20 | 0.03157 | 2.5 | 0.02114 | 0.05 | 1.56 | 0.39 | 3.87 | 149.35 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 307 | 8.20 | 8.10 | 0.03166 | 2.5 | 0.02119 | 0.05 | 1.61 | 0.39 | 3.87 | 149.41 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 308 | 8.10 | 8.00 | 0.03175 | 2.5 | 0.02124 | 0.05 | 1.67 | 0.39 | 3.87 | 149.46 | 387.00 | 1.49 | 0.00 | 0.000 | 0.000 | 0.021 |
| 309 | 8.00 | 7.90 | 0.03184 | 2.5 | 0.02130 | 0.05 | 1.72 | 0.39 | 3.87 | 149.52 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.021 |
| 310 | 7.90 | 7.80 | 0.03193 | 2.5 | 0.02135 | 0.05 | 1.78 | 0.39 | 3.87 | 149.57 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.021 |
| 311 | 7.80 | 7.70 | 0.03203 | 2.5 | 0.02140 | 0.05 | 1.83 | 0.39 | 3.87 | 149.63 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.021 |
| 312 | 7.70 | 7.60 | 0.03212 | 2.5 | 0.02146 | 0.05 | 1.88 | 0.39 | 3.87 | 149.68 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.021 |
| 313 | 7.60 | 7.50 | 0.03221 | 2.5 | 0.02151 | 0.05 | 1.94 | 0.39 | 3.87 | 149.74 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 314 | 7.50 | 7.40 | 0.03230 | 2.4 | 0.02156 | 0.05 | 1.99 | 0.39 | 3.87 | 149.79 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 315 | 7.40 | 7.30 | 0.03239 | 2.4 | 0.02162 | 0.05 | 2.05 | 0.39 | 3.87 | 149.85 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 316 | 7.30 | 7.20 | 0.03248 | 2.4 | 0.02167 | 0.05 | 2.10 | 0.39 | 3.87 | 149.90 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 317 | 7.20 | 7.10 | 0.03258 | 2.4 | 0.02172 | 0.05 | 2.15 | 0.39 | 3.87 | 149.95 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 318 | 7.10 | 7.00 | 0.03267 | 2.4 | 0.02178 | 0.05 | 2.21 | 0.39 | 3.87 | 150.01 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 319 | 7.00 | 6.90 | 0.03322 | 3.8 | 0.02210 | 0.05 | 2.26 | 0.39 | 3.87 | 150.33 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 320 | 6.90 | 6.80 | 0.03331 | 3.8 | 0.02215 | 0.05 | 2.31 | 0.39 | 3.87 | 150.38 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 321 | 6.80 | 6.70 | 0.03340 | 3.7 | 0.02220 | 0.05 | 2.36 | 0.39 | 3.87 | 150.44 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 322 | 6.70 | 6.60 | 0.03349 | 3.7 | 0.02226 | 0.05 | 2.41 | 0.39 | 3.87 | 150.49 | 387.00 | 1.50 | 0.00 | 0.000 | 0.000 | 0.022 |
| 323 | 6.60 | 6.50 | 0.03359 | 3.7 | 0.02231 | 0.05 | 2.47 | 0.39 | 3.87 | 150.54 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.022 |
| 324 | 6.50 | 6.40 | 0.03368 | 3.7 | 0.02236 | 0.05 | 2.52 | 0.39 | 3.87 | 150.59 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.022 |
| 325 | 6.40 | 6.30 | 0.03377 | 3.7 | 0.02242 | 0.05 | 2.57 | 0.39 | 3.87 | 150.65 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.022 |
| 326 | 6.30 | 6.20 | 0.03386 | 3.7 | 0.02247 | 0.05 | 2.62 | 0.39 | 3.87 | 150.70 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.022 |
| 327 | 6.20 | 6.10 | 0.03395 | 3.7 | 0.02252 | 0.05 | 2.67 | 0.39 | 3.87 | 150.75 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 328 | 6.10 | 6.00 | 0.03405 | 3.7 | 0.02258 | 0.05 | 2.72 | 0.39 | 3.87 | 150.80 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 329 | 6.00 | 5.90 | 0.03414 | 3.7 | 0.02263 | 0.05 | 2.78 | 0.39 | 3.87 | 150.85 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 330 | 5.90 | 5.80 | 0.03423 | 3.7 | 0.02268 | 0.05 | 2.83 | 0.39 | 3.87 | 150.91 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 331 | 5.80 | 5.70 | 0.03432 | 3.6 | 0.02274 | 0.05 | 2.88 | 0.39 | 3.87 | 150.96 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 332 | 5.70 | 5.60 | 0.03441 | 3.6 | 0.02279 | 0.05 | 2.93 | 0.39 | 3.87 | 151.01 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 333 | 5.60 | 5.50 | 0.03457 | 3.8 | 0.02288 | 0.05 | 2.98 | 0.39 | 3.87 | 151.10 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 334 | 5.50 | 5.40 | 0.03467 | 3.8 | 0.02293 | 0.05 | 3.03 | 0.39 | 3.87 | 151.15 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 335 | 5.40 | 5.30 | 0.03476 | 3.8 | 0.02299 | 0.05 | 3.08 | 0.39 | 3.87 | 151.20 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 336 | 5.30 | 5.20 | 0.03485 | 3.8 | 0.02304 | 0.05 | 3.13 | 0.39 | 3.87 | 151.25 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 337 | 5.20 | 5.10 | 0.03494 | 3.8 | 0.02309 | 0.05 | 3.18 | 0.39 | 3.87 | 151.30 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 338 | 5.10 | 5.00 | 0.03503 | 3.8 | 0.02315 | 0.05 | 3.23 | 0.39 | 3.87 | 151.35 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 339 | 5.00 | 4.90 | 0.03512 | 3.8 | 0.02320 | 0.05 | 3.28 | 0.39 | 3.87 | 151.40 | 387.00 | 1.51 | 0.00 | 0.000 | 0.000 | 0.023 |
| 340 | 4.90 | 4.80 | 0.03546 | 4.4 | 0.02339 | 0.05 | 3.33 | 0.39 | 3.87 | 151.59 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.023 |
| 341 | 4.80 | 4.70 | 0.03555 | 4.4 | 0.02344 | 0.05 | 3.38 | 0.39 | 3.87 | 151.64 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.023 |
| 342 | 4.70 | 4.60 | 0.03564 | 4.4 | 0.02350 | 0.05 | 3.43 | 0.39 | 3.87 | 151.69 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.023 |
| 343 | 4.60 | 4.50 | 0.03573 | 4.4 | 0.02355 | 0.05 | 3.48 | 0.39 | 3.87 | 151.74 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 344 | 4.50 | 4.40 | 0.03582 | 4.4 | 0.02360 | 0.05 | 3.53 | 0.39 | 3.87 | 151.79 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 345 | 4.40 | 4.30 | 0.03592 | 4.3 | 0.02365 | 0.05 | 3.57 | 0.39 | 3.87 | 151.83 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 346 | 4.30 | 4.20 | 0.03601 | 4.3 | 0.02371 | 0.05 | 3.62 | 0.39 | 3.87 | 151.88 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 347 | 4.20 | 4.10 | 0.03610 | 4.3 | 0.02376 | 0.05 | 3.67 | 0.39 | 3.87 | 151.93 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 348 | 4.10 | 4.00 | 0.03619 | 4.3 | 0.02381 | 0.05 | 3.72 | 0.39 | 3.87 | 151.98 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 349 | 4.00 | 3.90 | 0.03628 | 4.3 | 0.02386 | 0.05 | 3.77 | 0.39 | 3.87 | 152.03 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 350 | 3.90 | 3.80 | 0.03637 | 4.3 | 0.02392 | 0.05 | 3.82 | 0.39 | 3.87 | 152.08 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 351 | 3.80 | 3.70 | 0.03647 | 4.3 | 0.02397 | 0.05 | 3.87 | 0.39 | 3.87 | 152.13 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 352 | 3.70 | 3.60 | 0.03656 | 4.3 | 0.02402 | 0.05 | 3.91 | 0.39 | 3.87 | 152.18 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 353 | 3.60 | 3.50 | 0.03665 | 4.3 | 0.02408 | 0.05 | 3.96 | 0.39 | 3.87 | 152.23 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 354 | 3.50 | 3.40 | 0.03674 | 4.2 | 0.02413 | 0.05 | 4.01 | 0.39 | 3.87 | 152.28 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 355 | 3.40 | 3.30 | 0.03683 | 4.2 | 0.02418 | 0.05 | 4.06 | 0.39 | 3.87 | 152.32 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 356 | 3.30 | 3.20 | 0.03692 | 4.2 | 0.02423 | 0.05 | 4.11 | 0.39 | 3.87 | 152.37 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 357 | 3.20 | 3.10 | 0.03702 | 4.2 | 0.02429 | 0.05 | 4.15 | 0.39 | 3.87 | 152.42 | 387.00 | 1.52 | 0.00 | 0.000 | 0.000 | 0.024 |
| 358 | 3.10 | 3.00 | 0.04012 | 11.4 | 0.02605 | 0.04 | 4.20 | 0.40 | 3.87 | 154.00 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 359 | 3.00 | 2.90 | 0.04021 | 11.4 | 0.02610 | 0.04 | 4.24 | 0.40 | 3.87 | 154.04 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 360 | 2.90 | 2.80 | 0.04030 | 11.3 | 0.02616 | 0.04 | 4.29 | 0.40 | 3.87 | 154.09 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 361 | 2.80 | 2.70 | 0.04039 | 11.3 | 0.02621 | 0.04 | 4.33 | 0.40 | 3.87 | 154.13 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 362 | 2.70 | 2.60 | 0.04048 | 11.3 | 0.02626 | 0.04 | 4.37 | 0.40 | 3.87 | 154.17 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 363 | 2.60 | 2.50 | 0.04058 | 11.3 | 0.02631 | 0.04 | 4.42 | 0.40 | 3.87 | 154.22 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 364 | 2.50 | 2.40 | 0.04067 | 11.2 | 0.02636 | 0.04 | 4.46 | 0.40 | 3.87 | 154.26 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 365 | 2.40 | 2.30 | 0.04076 | 11.2 | 0.02641 | 0.04 | 4.51 | 0.40 | 3.87 | 154.31 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 366 | 2.30 | 2.20 | 0.04085 | 11.2 | 0.02647 | 0.04 | 4.55 | 0.40 | 3.87 | 154.35 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.026 |
| 367 | 2.20 | 2.10 | 0.04094 | 11.2 | 0.02652 | 0.04 | 4.59 | 0.40 | 3.87 | 154.40 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.027 |
| 368 | 2.10 | 2.00 | 0.04104 | 11.1 | 0.02657 | 0.04 | 4.64 | 0.40 | 3.87 | 154.44 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.027 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 369 | 2.00 | 1.90 | 0.04113 | 11.1 | 0.02662 | 0.04 | 4.68 | 0.40 | 3.87 | 154.48 | 387.00 | 1.54 | 0.00 | 0.000 | 0.000 | 0.027 |
| 370 | 1.90 | 1.80 | 0.04122 | 11.1 | 0.02667 | 0.04 | 4.72 | 0.40 | 3.87 | 154.53 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 371 | 1.80 | 1.70 | 0.04131 | 11.1 | 0.02673 | 0.04 | 4.77 | 0.40 | 3.87 | 154.57 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 372 | 1.70 | 1.60 | 0.04140 | 11.0 | 0.02678 | 0.04 | 4.81 | 0.40 | 3.87 | 154.62 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 373 | 1.60 | 1.50 | 0.04149 | 11.0 | 0.02683 | 0.04 | 4.85 | 0.40 | 3.87 | 154.66 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 374 | 1.50 | 1.40 | 0.04159 | 11.0 | 0.02688 | 0.04 | 4.90 | 0.40 | 3.87 | 154.70 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 375 | 1.40 | 1.30 | 0.04168 | 11.0 | 0.02693 | 0.04 | 4.94 | 0.40 | 3.87 | 154.75 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 376 | 1.30 | 1.20 | 0.04177 | 10.9 | 0.02698 | 0.04 | 4.98 | 0.40 | 3.87 | 154.79 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 377 | 1.20 | 1.10 | 0.04186 | 10.9 | 0.02704 | 0.04 | 5.03 | 0.40 | 3.87 | 154.83 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 378 | 1.10 | 1.00 | 0.04195 | 10.9 | 0.02709 | 0.04 | 5.07 | 0.40 | 3.87 | 154.88 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 379 | 1.00 | 0.90 | 0.04204 | 10.9 | 0.02714 | 0.04 | 5.11 | 0.40 | 3.87 | 154.92 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 380 | 0.90 | 0.80 | 0.04214 | 10.8 | 0.02719 | 0.04 | 5.15 | 0.40 | 3.87 | 154.96 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 381 | 0.80 | 0.70 | 0.04223 | 10.8 | 0.02724 | 0.04 | 5.20 | 0.40 | 3.87 | 155.01 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 382 | 0.70 | 0.60 | 0.04232 | 10.8 | 0.02729 | 0.04 | 5.24 | 0.40 | 3.87 | 155.05 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 383 | 0.60 | 0.50 | 0.04241 | 10.8 | 0.02735 | 0.04 | 5.28 | 0.40 | 3.87 | 155.09 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 384 | 0.50 | 0.40 | 0.04250 | 10.8 | 0.02740 | 0.04 | 5.32 | 0.40 | 3.87 | 155.14 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 385 | 0.40 | 0.30 | 0.04259 | 10.7 | 0.02745 | 0.04 | 5.37 | 0.40 | 3.87 | 155.18 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.027 |
| 386 | 0.30 | 0.20 | 0.04269 | 10.7 | 0.02750 | 0.04 | 5.41 | 0.40 | 3.87 | 155.22 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.028 |
| 387 | 0.20 | 0.10 | 0.04278 | 10.7 | 0.02755 | 0.04 | 5.45 | 0.40 | 3.87 | 155.26 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.028 |
| 388 | 0.10 | 0.00 | 0.04287 | 10.7 | 0.02760 | 0.04 | 5.49 | 0.40 | 3.87 | 155.31 | 387.00 | 1.55 | 0.00 | 0.000 | 0.000 | 0.028 |
| TOT | | | | | | 5.49 | | | | 16496.70 | 42183.00 | | | | | |
| AVG | | | | | 0.0230 | | | 0.39 | 3.87 | | | 1.51 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS **********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 281 | 10.700 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 282 | 10.600 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 283 | 10.500 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 284 | 10.400 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 285 | 10.300 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 286 | 10.200 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 287 | 10.100 | 9.09 | 2.47 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 288 | 10.000 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 289 | 9.900 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 290 | 9.800 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 291 | 9.700 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 292 | 9.600 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 293 | 9.500 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 294 | 9.400 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 295 | 9.300 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 296 | 9.200 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 297 | 9.100 | 9.09 | 2.48 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 298 | 9.000 | 9.09 | 2.49 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 299 | 8.900 | 9.09 | 2.49 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 | 8.800 | 9.09 | 2.49 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 301 | 8.700 | 9.09 | 2.49 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 302 | 8.600 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 303 | 8.500 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 304 | 8.400 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 305 | 8.300 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 306 | 8.200 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| 307 | 8.100 | 9.09 | 2.50 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 308 | 8.000 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 309 | 7.900 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 310 | 7.800 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 311 | 7.700 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 312 | 7.600 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 313 | 7.500 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 314 | 7.400 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 315 | 7.300 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 316 | 7.200 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 317 | 7.100 | 9.09 | 2.51 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 318 | 7.000 | 9.09 | 2.52 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 319 | 6.900 | 9.09 | 2.52 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 320 | 6.800 | 9.09 | 2.52 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 321 | 6.700 | 9.09 | 2.52 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322 | 6.600 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 323 | 6.500 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 324 | 6.400 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 325 | 6.300 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 326 | 6.200 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 327 | 6.100 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 328 | 6.000 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 329 | 5.900 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 330 | 5.800 | 9.09 | 2.53 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 331 | 5.700 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 332 | 5.600 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 333 | 5.500 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 334 | 5.400 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 335 | 5.300 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 336 | 5.200 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 337 | 5.100 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 338 | 5.000 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 339 | 4.900 | 9.09 | 2.54 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 340 | 4.800 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 341 | 4.700 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 342 | 4.600 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 343 | 4.500 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 344 | 4.400 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 345 | 4.300 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 346 | 4.200 | 9.09 | 2.55 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| 347 | 4.100 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 348 | 4.000 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 349 | 3.900 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 | 3.800 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 351 | 3.700 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 352 | 3.600 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 353 | 3.500 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 354 | 3.400 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 355 | 3.300 | 9.09 | 2.56 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 356 | 3.200 | 9.09 | 2.57 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 357 | 3.100 | 9.09 | 2.57 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 358 | 3.000 | 9.09 | 2.60 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 359 | 2.900 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 360 | 2.800 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 361 | 2.700 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 362 | 2.600 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 363 | 2.500 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 2.400 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 365 | 2.300 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 366 | 2.200 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 367 | 2.100 | 9.09 | 2.61 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 368 | 2.000 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 369 | 1.900 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 370 | 1.800 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 371 | 1.700 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 372 | 1.600 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 373 | 1.500 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 374 | 1.400 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 375 | 1.300 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 376 | 1.200 | 9.09 | 2.62 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 377 | 1.100 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 378 | 1.000 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 379 | 0.900 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 380 | 0.800 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 381 | 0.700 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 382 | 0.600 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 383 | 0.500 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 384 | 0.400 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 385 | 0.300 | 9.09 | 2.63 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 386 | 0.200 | 9.09 | 2.64 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |
| 387 | 0.100 | 9.09 | 2.64 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 388 | 0.000 | 9.09 | 2.64 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 2.26 | 2.26 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 2.55 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NCM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.82 | 12.42 | 0.00 | 12.96 | 0.00 | 1.11 | 0.11 | 0.09 | 1.31 | 1.15 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 281 | 10.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.79 | 12.38 | 0.00 | 12.91 | 0.00 | 1.11 | 0.11 | 0.09 | 1.31 | 1.15 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 282 | 10.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.77 | 12.34 | 0.00 | 12.87 | 0.00 | 1.11 | 0.11 | 0.09 | 1.30 | 1.15 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 283 | 10.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.75 | 12.30 | 0.00 | 12.82 | 0.00 | 1.11 | 0.11 | 0.09 | 1.30 | 1.15 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 284 | 10.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.73 | 12.26 | 0.00 | 12.78 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.15 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 285 | 10.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.71 | 12.22 | 0.00 | 12.74 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.15 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 286 | 10.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.70 | 12.18 | 0.00 | 12.70 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 287 | 10.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.69 | 12.14 | 0.00 | 12.65 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 288 | 10.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.68 | 12.10 | 0.00 | 12.61 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 289 | 9.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.68 | 12.07 | 0.00 | 12.57 | 0.00 | 1.10 | 0.11 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 290 | 9.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.67 | 12.03 | 0.00 | 12.53 | 0.00 | 1.10 | 0.10 | 0.09 | 1.30 | 1.14 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 291 | 9.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.66 | 11.99 | 0.00 | 12.49 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 292 | 9.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.66 | 11.95 | 0.00 | 12.45 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 293 | 9.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.66 | 11.92 | 0.00 | 12.41 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 294 | 9.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.88 | 0.00 | 12.37 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 295 | 9.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.84 | 0.00 | 12.33 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 296 | 9.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.81 | 0.00 | 12.29 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 297 | 9.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.77 | 0.00 | 12.26 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 298 | 9.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.74 | 0.00 | 12.22 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 299 | 8.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.70 | 0.00 | 12.18 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | 8.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.67 | 0.00 | 12.14 | 0.00 | 1.10 | 0.10 | 0.09 | 1.29 | 1.14 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 301 | 8.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.65 | 11.63 | 0.00 | 12.11 | 0.00 | 1.10 | 0.10 | 0.09 | 1.28 | 1.13 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 302 | 8.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.54 | 12.99 | 0.00 | 13.46 | 0.00 | 1.19 | 0.34 | 0.14 | 1.67 | 1.23 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 303 | 8.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 12.95 | 0.00 | 13.42 | 0.00 | 1.19 | 0.34 | 0.14 | 1.67 | 1.23 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 304 | 8.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 12.91 | 0.00 | 13.38 | 0.00 | 1.19 | 0.33 | 0.14 | 1.67 | 1.23 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 305 | 8.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.87 | 0.00 | 13.33 | 0.00 | 1.19 | 0.33 | 0.14 | 1.66 | 1.23 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 306 | 8.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.83 | 0.00 | 13.29 | 0.00 | 1.19 | 0.33 | 0.15 | 1.66 | 1.23 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 307 | 8.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.79 | 0.00 | 13.24 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 1.23 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 308 | 8.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.74 | 0.00 | 13.20 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 1.22 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 309 | 7.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.70 | 0.00 | 13.16 | 0.00 | 1.19 | 0.32 | 0.15 | 1.66 | 1.22 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 310 | 7.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.66 | 0.00 | 13.12 | 0.00 | 1.19 | 0.32 | 0.15 | 1.65 | 1.22 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 311 | 7.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.62 | 0.00 | 13.07 | 0.00 | 1.19 | 0.31 | 0.15 | 1.65 | 1.22 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 312 | 7.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.59 | 0.00 | 13.03 | 0.00 | 1.18 | 0.31 | 0.15 | 1.65 | 1.22 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 313 | 7.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.55 | 0.00 | 12.99 | 0.00 | 1.18 | 0.31 | 0.16 | 1.65 | 1.22 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 314 | 7.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.51 | 0.00 | 12.95 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 1.22 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 315 | 7.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.47 | 0.00 | 12.91 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 1.22 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 316 | 7.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.43 | 0.00 | 12.87 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 1.22 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.1 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 317 | 7.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.39 | 0.00 | 12.83 | 0.00 | 1.18 | 0.30 | 0.16 | 1.64 | 1.22 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 318 | 7.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.36 | 0.00 | 12.79 | 0.00 | 1.18 | 0.29 | 0.16 | 1.64 | 1.21 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 319 | 6.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.54 | 13.10 | 0.00 | 13.53 | 0.00 | 1.23 | 0.42 | 0.19 | 1.85 | 1.27 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 320 | 6.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 13.06 | 0.00 | 13.48 | 0.00 | 1.23 | 0.42 | 0.19 | 1.84 | 1.27 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 321 | 6.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 13.02 | 0.00 | 13.44 | 0.00 | 1.23 | 0.41 | 0.19 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 322 | 6.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.98 | 0.00 | 13.40 | 0.00 | 1.23 | 0.41 | 0.20 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 323 | 6.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 12.94 | 0.00 | 13.35 | 0.00 | 1.23 | 0.41 | 0.20 | 1.83 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 324 | 6.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.90 | 0.00 | 13.31 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.9 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 325 | 6.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.86 | 0.00 | 13.27 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 326 | 6.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 12.82 | 0.00 | 13.23 | 0.00 | 1.23 | 0.40 | 0.20 | 1.83 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 327 | 6.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.78 | 0.00 | 13.19 | 0.00 | 1.23 | 0.39 | 0.21 | 1.82 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 328 | 6.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.74 | 0.00 | 13.14 | 0.00 | 1.22 | 0.39 | 0.21 | 1.82 | 1.26 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.8 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 329 | 5.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.70 | 0.00 | 13.10 | 0.00 | 1.22 | 0.38 | 0.21 | 1.82 | 1.26 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | 5.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.67 | 0.00 | 13.06 | 0.00 | 1.22 | 0.38 | 0.21 | 1.81 | 1.25 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 331 | 5.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.63 | 0.00 | 13.02 | 0.00 | 1.22 | 0.38 | 0.21 | 1.81 | 1.25 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 332 | 5.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.59 | 0.00 | 12.98 | 0.00 | 1.22 | 0.37 | 0.21 | 1.81 | 1.25 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.7 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 333 | 5.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.74 | 0.00 | 13.12 | 0.00 | 1.23 | 0.40 | 0.22 | 1.85 | 1.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 334 | 5.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.70 | 0.00 | 13.08 | 0.00 | 1.23 | 0.40 | 0.22 | 1.85 | 1.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 335 | 5.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.66 | 0.00 | 13.04 | 0.00 | 1.23 | 0.39 | 0.22 | 1.85 | 1.26 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 336 | 5.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.62 | 0.00 | 13.00 | 0.00 | 1.23 | 0.39 | 0.22 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.6 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 337 | 5.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.58 | 0.00 | 12.96 | 0.00 | 1.23 | 0.38 | 0.23 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 338 | 5.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.55 | 0.00 | 12.92 | 0.00 | 1.23 | 0.38 | 0.23 | 1.84 | 1.26 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 339 | 4.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.51 | 0.00 | 12.88 | 0.00 | 1.23 | 0.38 | 0.23 | 1.83 | 1.26 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | 4.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 12.88 | 0.00 | 13.25 | 0.00 | 1.25 | 0.44 | 0.24 | 1.94 | 1.28 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.5 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 341 | 4.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.84 | 0.00 | 13.20 | 0.00 | 1.25 | 0.44 | 0.24 | 1.94 | 1.28 | 1.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 342 | 4.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.80 | 0.00 | 13.16 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 1.28 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 343 | 4.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 12.76 | 0.00 | 13.12 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 1.28 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 344 | 4.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.72 | 0.00 | 13.08 | 0.00 | 1.25 | 0.43 | 0.25 | 1.93 | 1.28 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.4 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 345 | 4.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.69 | 0.00 | 13.04 | 0.00 | 1.25 | 0.42 | 0.25 | 1.92 | 1.28 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 346 | 4.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 12.65 | 0.00 | 13.00 | 0.00 | 1.25 | 0.42 | 0.25 | 1.92 | 1.28 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 347 | 4.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.61 | 0.00 | 12.96 | 0.00 | 1.25 | 0.41 | 0.25 | 1.92 | 1.28 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 348 | 4.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.58 | 0.00 | 12.93 | 0.00 | 1.25 | 0.41 | 0.26 | 1.91 | 1.28 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.3 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 349 | 3.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 12.54 | 0.00 | 12.89 | 0.00 | 1.25 | 0.41 | 0.26 | 1.91 | 1.27 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 350 | 3.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.62 | 12.50 | 0.00 | 12.85 | 0.00 | 1.25 | 0.40 | 0.26 | 1.91 | 1.27 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 351 | 3.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.62 | 12.47 | 0.00 | 12.81 | 0.00 | 1.25 | 0.40 | 0.26 | 1.91 | 1.27 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 352 | 3.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.62 | 12.43 | 0.00 | 12.77 | 0.00 | 1.24 | 0.40 | 0.26 | 1.90 | 1.27 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.2 | 0.0 | 0.00 |
| 353 | 3.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.63 | 12.40 | 0.00 | 12.73 | 0.00 | 1.24 | 0.39 | 0.26 | 1.90 | 1.27 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0.00 |
| 354 | 3.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.63 | 12.36 | 0.00 | 12.70 | 0.00 | 1.24 | 0.39 | 0.26 | 1.90 | 1.27 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0.00 |
| 355 | 3.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.63 | 12.33 | 0.00 | 12.66 | 0.00 | 1.24 | 0.39 | 0.27 | 1.89 | 1.27 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0.00 |
| 356 | 3.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.64 | 12.29 | 0.00 | 12.62 | 0.00 | 1.24 | 0.38 | 0.27 | 1.89 | 1.27 | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.1 | 0.0 | 0.00 |
| 357 | 3.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.64 | 12.26 | 0.00 | 12.58 | 0.00 | 1.24 | 0.38 | 0.27 | 1.89 | 1.27 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0.00 |
| 358 | 3.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.40 | 15.10 | 0.00 | 15.42 | 0.00 | 1.42 | 0.89 | 0.40 | 2.72 | 1.45 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0.00 |
| 359 | 2.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.41 | 15.06 | 0.00 | 15.38 | 0.00 | 1.42 | 0.89 | 0.41 | 2.72 | 1.45 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0.00 |
| 360 | 2.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.42 | 15.01 | 0.00 | 15.33 | 0.00 | 1.42 | 0.88 | 0.41 | 2.71 | 1.45 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.0 | 0.0 | 0.00 |
| 361 | 2.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.44 | 14.96 | 0.00 | 15.28 | 0.00 | 1.42 | 0.87 | 0.42 | 2.70 | 1.45 | 2.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0.00 |
| 362 | 2.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.45 | 14.92 | 0.00 | 15.23 | 0.00 | 1.42 | 0.86 | 0.42 | 2.70 | 1.44 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0.00 |
| 363 | 2.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.46 | 14.87 | 0.00 | 15.18 | 0.00 | 1.42 | 0.85 | 0.42 | 2.69 | 1.44 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0.00 |
| 364 | 2.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.47 | 14.83 | 0.00 | 15.13 | 0.00 | 1.42 | 0.85 | 0.43 | 2.69 | 1.44 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.9 | 0.0 | 0.00 |
| 365 | 2.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.48 | 14.78 | 0.00 | 15.08 | 0.00 | 1.42 | 0.84 | 0.43 | 2.68 | 1.44 | 2.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0.00 |
| 366 | 2.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.49 | 14.74 | 0.00 | 15.04 | 0.00 | 1.41 | 0.83 | 0.43 | 2.68 | 1.44 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0.00 |
| 367 | 2.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.50 | 14.69 | 0.00 | 14.99 | 0.00 | 1.41 | 0.82 | 0.44 | 2.67 | 1.44 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0.00 |
| 368 | 2.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.51 | 14.65 | 0.00 | 14.94 | 0.00 | 1.41 | 0.82 | 0.44 | 2.67 | 1.44 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.8 | 0.0 | 0.00 |
| 369 | 1.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.51 | 14.60 | 0.00 | 14.90 | 0.00 | 1.41 | 0.81 | 0.44 | 2.66 | 1.43 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0.00 |
| 370 | 1.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.52 | 14.56 | 0.00 | 14.85 | 0.00 | 1.41 | 0.80 | 0.45 | 2.66 | 1.43 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0.00 |
| 371 | 1.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.53 | 14.52 | 0.00 | 14.80 | 0.00 | 1.41 | 0.79 | 0.45 | 2.65 | 1.43 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0.00 |
| 372 | 1.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.53 | 14.47 | 0.00 | 14.76 | 0.00 | 1.41 | 0.79 | 0.45 | 2.65 | 1.43 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.7 | 0.0 | 0.00 |
| 373 | 1.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.54 | 14.43 | 0.00 | 14.71 | 0.00 | 1.41 | 0.78 | 0.46 | 2.64 | 1.43 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0.00 |
| 374 | 1.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 14.39 | 0.00 | 14.66 | 0.00 | 1.40 | 0.77 | 0.46 | 2.64 | 1.43 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0.00 |
| 375 | 1.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.55 | 14.34 | 0.00 | 14.62 | 0.00 | 1.40 | 0.77 | 0.46 | 2.63 | 1.43 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0.00 |
| 376 | 1.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 14.30 | 0.00 | 14.57 | 0.00 | 1.40 | 0.76 | 0.47 | 2.63 | 1.42 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.6 | 0.0 | 0.00 |
| 377 | 1.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.56 | 14.26 | 0.00 | 14.53 | 0.00 | 1.40 | 0.75 | 0.47 | 2.62 | 1.42 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0.00 |
| 378 | 1.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 14.22 | 0.00 | 14.48 | 0.00 | 1.40 | 0.75 | 0.47 | 2.62 | 1.42 | 2.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0.00 |
| 379 | 0.900 | 20.00 | 0.00 | 1.00 | 0.00 | 6.57 | 14.18 | 0.00 | 14.44 | 0.00 | 1.40 | 0.74 | 0.47 | 2.61 | 1.42 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0.00 |
| 380 | 0.800 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 14.13 | 0.00 | 14.40 | 0.00 | 1.40 | 0.73 | 0.48 | 2.61 | 1.42 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.5 | 0.0 | 0.00 |
| 381 | 0.700 | 20.00 | 0.00 | 1.00 | 0.00 | 6.58 | 14.09 | 0.00 | 14.35 | 0.00 | 1.40 | 0.73 | 0.48 | 2.60 | 1.42 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0.00 |
| 382 | 0.600 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 14.05 | 0.00 | 14.31 | 0.00 | 1.40 | 0.72 | 0.48 | 2.60 | 1.42 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0.00 |
| 383 | 0.500 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 14.01 | 0.00 | 14.27 | 0.00 | 1.39 | 0.72 | 0.48 | 2.59 | 1.41 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0.00 |
| 384 | 0.400 | 20.00 | 0.00 | 1.00 | 0.00 | 6.59 | 13.97 | 0.00 | 14.22 | 0.00 | 1.39 | 0.71 | 0.49 | 2.59 | 1.41 | 2.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.4 | 0.0 | 0.00 |
| 385 | 0.300 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 13.93 | 0.00 | 14.18 | 0.00 | 1.39 | 0.70 | 0.49 | 2.58 | 1.41 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0.00 |
| 386 | 0.200 | 20.00 | 0.00 | 1.00 | 0.00 | 6.60 | 13.89 | 0.00 | 14.14 | 0.00 | 1.39 | 0.70 | 0.49 | 2.58 | 1.41 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0.00 |
| 387 | 0.100 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 13.85 | 0.00 | 14.09 | 0.00 | 1.39 | 0.69 | 0.49 | 2.57 | 1.41 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.3 | 0.0 | 0.00 |
| 388 | 0.000 | 20.00 | 0.00 | 1.00 | 0.00 | 6.61 | 13.81 | 0.00 | 14.05 | 0.00 | 1.39 | 0.69 | 0.49 | 2.57 | 1.41 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.2 | 0.0 | 0.00 |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | 10.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 5.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 281 | 10.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 282 | 10.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 283 | 10.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 284 | 10.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 285 | 10.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 286 | 10.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 287 | 10.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 288 | 10.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 289 | 9.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 290 | 9.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 291 | 9.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 292 | 9.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 293 | 9.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 294 | 9.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 295 | 9.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 296 | 9.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 297 | 9.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 298 | 9.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 299 | 8.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 300 | 8.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 301 | 8.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 302 | 8.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 303 | 8.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 304 | 8.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 305 | 8.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 306 | 8.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 307 | 8.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 308 | 8.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 309 | 7.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 310 | 7.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 311 | 7.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 312 | 7.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 313 | 7.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 314 | 7.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 315 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 316 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 317 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 318 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 319 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 320 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 4.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 321 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 322 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 323 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 324 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 325 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 326 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 327 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 328 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 329 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 330 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 331 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 332 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 333 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 334 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 335 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 336 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 337 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 338 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 339 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 340 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 341 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 342 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 343 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 344 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 345 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 346 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 347 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 348 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 349 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 350 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 351 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 352 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 353 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 354 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 355 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 356 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 357 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 358 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 359 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 360 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 3.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 361 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 362 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 363 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 364 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 365 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 366 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 367 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 368 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 369 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 370 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 371 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 372 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 373 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 374 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 375 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 376 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 377 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 378 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 379 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 380 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 381 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 382 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 383 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 384 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 385 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 386 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 387 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 388 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 2.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

FINAL REPORT Arnold's Creek LA-QUAL Model for Ponchatoula Creek Watershed
REACH NO. 7 Arnold Creek TMDL Simulation

********** REACH INPUTS **********

| ELEM NO. | TYPE | FLOW | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | PO4-P mg/L | CHL A µg/L | COLI #/100mL | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | HDWTR | 0.02830 | 20.00 | 0.00 | 0.00 | 0.00 | 6.85 | 23.65 | 0.00 | 26.00 | 0.00 | 1.13 | 0.54 | 0.18 | 0.00 | 22.00 | 0.00 | 0.00 |
| 499 | WSTLD | 0.00017 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | WSTLD | 0.00002 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | WSTLD | 0.00042 | 20.00 | 0.00 | 0.00 | 0.00 | 2.00 | 69.00 | 0.00 | 69.00 | 0.00 | 5.00 | 10.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |

********** HYDRAULIC PARAMETER VALUES **********

| ELEM NO. | BEGIN DIST km | ENDING DIST km | FLOW $m^3/s$ | PCT EFF | ADVCTV VELO m/s | TRAVEL TIME days | CUM TIME days | DEPTH m | WIDTH m | VOLUME $m^3$ | SURFACE AREA $m^2$ | X-SECT AREA $m^2$ | TIDAL PRISM $m^3$ | TIDAL VELO m/s | DISPRSN $m^2/s$ | MEAN VELO m/s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.40 | 7.30 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.09 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 488 | 7.30 | 7.20 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.18 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 489 | 7.20 | 7.10 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.27 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 490 | 7.10 | 7.00 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.36 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 491 | 7.00 | 6.90 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.45 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 492 | 6.90 | 6.80 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.54 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 493 | 6.80 | 6.70 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.63 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 494 | 6.70 | 6.60 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.73 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 495 | 6.60 | 6.50 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.82 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 496 | 6.50 | 6.40 | 0.02830 | 0.0 | 0.01276 | 0.09 | 0.91 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 497 | 6.40 | 6.30 | 0.02830 | 0.0 | 0.01276 | 0.09 | 1.00 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 498 | 6.30 | 6.20 | 0.02830 | 0.0 | 0.01276 | 0.09 | 1.09 | 0.43 | 5.18 | 221.78 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 499 | 6.20 | 6.10 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.18 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 500 | 6.10 | 6.00 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.27 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 501 | 6.00 | 5.90 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.36 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 502 | 5.90 | 5.80 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.45 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 503 | 5.80 | 5.70 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.54 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 504 | 5.70 | 5.60 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.63 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 505 | 5.60 | 5.50 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.72 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 506 | 5.50 | 5.40 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.81 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 507 | 5.40 | 5.30 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.90 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 508 | 5.30 | 5.20 | 0.02847 | 0.6 | 0.01283 | 0.09 | 1.99 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 509 | 5.20 | 5.10 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.08 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 510 | 5.10 | 5.00 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.17 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 511 | 5.00 | 4.90 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.26 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 512 | 4.90 | 4.80 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.35 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 513 | 4.80 | 4.70 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.44 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 514 | 4.70 | 4.60 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.53 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 515 | 4.60 | 4.50 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.62 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 516 | 4.50 | 4.40 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.71 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 517 | 4.40 | 4.30 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.80 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 518 | 4.30 | 4.20 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.89 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 519 | 4.20 | 4.10 | 0.02847 | 0.6 | 0.01283 | 0.09 | 2.98 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 520 | 4.10 | 4.00 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.07 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 521 | 4.00 | 3.90 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.16 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 522 | 3.90 | 3.80 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.25 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 523 | 3.80 | 3.70 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.34 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 524 | 3.70 | 3.60 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.43 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 525 | 3.60 | 3.50 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.52 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 526 | 3.50 | 3.40 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.61 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 527 | 3.40 | 3.30 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.71 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 528 | 3.30 | 3.20 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.80 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 529 | 3.20 | 3.10 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.89 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 530 | 3.10 | 3.00 | 0.02847 | 0.6 | 0.01283 | 0.09 | 3.98 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 531 | 3.00 | 2.90 | 0.02847 | 0.6 | 0.01283 | 0.09 | 4.07 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 532 | 2.90 | 2.80 | 0.02847 | 0.6 | 0.01283 | 0.09 | 4.16 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 533 | 2.80 | 2.70 | 0.02847 | 0.6 | 0.01283 | 0.09 | 4.25 | 0.43 | 5.18 | 221.95 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 534 | 2.70 | 2.60 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.34 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 535 | 2.60 | 2.50 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.43 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 536 | 2.50 | 2.40 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.52 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 537 | 2.40 | 2.30 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.61 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 538 | 2.30 | 2.20 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.70 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 539 | 2.20 | 2.10 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.79 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 540 | 2.10 | 2.00 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.88 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 541 | 2.00 | 1.90 | 0.02849 | 0.7 | 0.01283 | 0.09 | 4.97 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 542 | 1.90 | 1.80 | 0.02849 | 0.7 | 0.01283 | 0.09 | 5.06 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 543 | 1.80 | 1.70 | 0.02849 | 0.7 | 0.01283 | 0.09 | 5.15 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 544 | 1.70 | 1.60 | 0.02849 | 0.7 | 0.01283 | 0.09 | 5.24 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 545 | 1.60 | 1.50 | 0.02849 | 0.7 | 0.01283 | 0.09 | 5.33 | 0.43 | 5.18 | 221.97 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 546 | 1.50 | 1.40 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.42 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 547 | 1.40 | 1.30 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.51 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 548 | 1.30 | 1.20 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.60 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 549 | 1.20 | 1.10 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.68 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 550 | 1.10 | 1.00 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.77 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 551 | 1.00 | 0.90 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.86 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 552 | 0.90 | 0.80 | 0.02891 | 2.1 | 0.01300 | 0.09 | 5.95 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 553 | 0.80 | 0.70 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.04 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 554 | 0.70 | 0.60 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.13 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 555 | 0.60 | 0.50 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.22 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 556 | 0.50 | 0.40 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.31 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 557 | 0.40 | 0.30 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.40 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 558 | 0.30 | 0.20 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.49 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 559 | 0.20 | 0.10 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.58 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| 560 | 0.10 | 0.00 | 0.02891 | 2.1 | 0.01300 | 0.09 | 6.66 | 0.43 | 5.18 | 222.39 | 518.00 | 2.22 | 0.00 | 0.000 | 0.000 | 0.013 |
| TOT | | | | | | 6.66 | | | | 16429.16 | 38332.00 | | | | | |
| AVG | | | | | 0.0129 | | | 0.43 | 5.18 | | | 2.22 | | | | |

********** BIOLOGICAL AND PHYSICAL COEFFICIENTS
**********

| ELEM NO. | ENDING DIST | SAT D.O. mg/L | REAER RATE 1/da | BOD1 DECAY 1/da | BOD1 SETT 1/da | ABOD1 DECAY 1/da | BOD1 HYDR 1/da | BOD2 DECAY 1/da | BOD2 SETT 1/da | ABOD2 DECAY 1/da | BKGD SOD * | FULL SOD * | CORR SOD * | ORG-N HYDR 1/da | ORG-N SETT 1/da | NH3-N DECAY 1/da | NH3-N SRCE * | DENIT RATE 1/da | ORG-P HYDR 1/da | ORG-P SETT 1/da | PO4 SRCE * | PHYTO PROD ** | PERIP PROD ** | COLI DECAY 1/da | NCM DECAY 1/da | NCM SETT 1/da |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 488 | 7.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 489 | 7.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 490 | 7.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 491 | 6.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 492 | 6.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 493 | 6.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 494 | 6.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 495 | 6.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 496 | 6.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 497 | 6.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 498 | 6.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 499 | 6.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 6.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 501 | 5.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 502 | 5.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 503 | 5.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 504 | 5.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 505 | 5.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 506 | 5.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 507 | 5.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 508 | 5.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 509 | 5.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 510 | 5.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 511 | 4.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 512 | 4.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 513 | 4.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 514 | 4.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 515 | 4.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 516 | 4.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 517 | 4.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 518 | 4.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 519 | 4.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 520 | 4.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 521 | 3.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 522 | 3.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 523 | 3.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 524 | 3.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 525 | 3.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 526 | 3.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 527 | 3.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 528 | 3.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 529 | 3.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 530 | 3.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 531 | 2.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 532 | 2.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 533 | 2.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 534 | 2.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 535 | 2.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 536 | 2.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 537 | 2.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 538 | 2.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 539 | 2.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 540 | 2.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 541 | 1.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 542 | 1.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 543 | 1.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 544 | 1.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 545 | 1.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 546 | 1.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 547 | 1.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 548 | 1.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 549 | 1.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 550 | 1.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 551 | 0.900 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 552 | 0.800 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 553 | 0.700 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 554 | 0.600 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 555 | 0.500 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 556 | 0.400 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 557 | 0.300 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 558 | 0.200 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 559 | 0.100 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 560 | 0.000 | 9.09 | 1.98 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| AVG 20 DEG C RATE | | | 1.98 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | | | 0.01 | 0.00 | 0.18 | 0.00 | 0.10 | 1.55 | 0.00 | 1.55 | | 0.00 | 0.00 | 0.00 |

* g/m²/d ** mg/L/day

********** WATER QUALITY CONSTITUENT VALUES
**********

| ELEM NO. | ENDING DIST | TEMP deg C | SALN ppt | CM-1 | CM-2 | DO mg/L | BOD1 mg/L | BOD2 mg/L | EBOD1 mg/L | EBOD2 mg/L | ORG-N mg/L | NH3-N mg/L | NO3-N mg/L | TOT-N mg/L | EORG-N mg/L | ETOT-N mg/L | ORG-P mg/L | PO4-P mg/L | TOT-P mg/L | EORG-P mg/L | ETOT-P mg/L | CHL A µg/L | PERIP g/m² | COLI #/100mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 20.00 | 0.00 | 1.00 | 0.00 | 7.10 | 23.53 | 0.00 | 25.88 | 0.00 | 0.94 | 0.53 | 0.18 | 1.66 | 1.13 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 488 | 7.200 | 20.00 | 0.00 | 1.00 | 0.00 | 7.31 | 23.41 | 0.00 | 25.76 | 0.00 | 0.94 | 0.52 | 0.18 | 1.65 | 1.13 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 489 | 7.100 | 20.00 | 0.00 | 1.00 | 0.00 | 7.49 | 23.30 | 0.00 | 25.65 | 0.00 | 0.94 | 0.52 | 0.19 | 1.64 | 1.13 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 490 | 7.000 | 20.00 | 0.00 | 1.00 | 0.00 | 7.65 | 23.18 | 0.00 | 25.53 | 0.00 | 0.94 | 0.51 | 0.19 | 1.64 | 1.13 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 491 | 6.900 | 20.00 | 0.00 | 1.00 | 0.00 | 7.78 | 23.06 | 0.00 | 25.41 | 0.00 | 0.94 | 0.50 | 0.19 | 1.63 | 1.13 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 492 | 6.800 | 20.00 | 0.00 | 1.00 | 0.00 | 7.89 | 22.95 | 0.00 | 25.30 | 0.00 | 0.94 | 0.49 | 0.19 | 1.62 | 1.12 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 493 | 6.700 | 20.00 | 0.00 | 1.00 | 0.00 | 7.99 | 22.83 | 0.00 | 25.18 | 0.00 | 0.94 | 0.49 | 0.19 | 1.62 | 1.12 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 494 | 6.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.07 | 22.72 | 0.00 | 25.07 | 0.00 | 0.94 | 0.48 | 0.19 | 1.61 | 1.12 | 1.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 495 | 6.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.14 | 22.60 | 0.00 | 24.95 | 0.00 | 0.94 | 0.47 | 0.19 | 1.60 | 1.12 | 1.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 496 | 6.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.20 | 22.49 | 0.00 | 24.84 | 0.00 | 0.93 | 0.47 | 0.19 | 1.60 | 1.12 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 497 | 6.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.25 | 22.37 | 0.00 | 24.72 | 0.00 | 0.93 | 0.46 | 0.20 | 1.59 | 1.12 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 498 | 6.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.29 | 22.26 | 0.00 | 24.61 | 0.00 | 0.93 | 0.45 | 0.20 | 1.58 | 1.12 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 499 | 6.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.29 | 22.02 | 0.00 | 24.37 | 0.00 | 0.93 | 0.44 | 0.21 | 1.58 | 1.11 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 500 | 6.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.33 | 21.91 | 0.00 | 24.26 | 0.00 | 0.93 | 0.44 | 0.21 | 1.57 | 1.11 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 501 | 5.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.36 | 21.80 | 0.00 | 24.15 | 0.00 | 0.92 | 0.43 | 0.21 | 1.56 | 1.11 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 502 | 5.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.39 | 21.69 | 0.00 | 24.04 | 0.00 | 0.92 | 0.43 | 0.21 | 1.56 | 1.11 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 503 | 5.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.42 | 21.58 | 0.00 | 23.93 | 0.00 | 0.92 | 0.42 | 0.21 | 1.55 | 1.11 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 504 | 5.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.44 | 21.47 | 0.00 | 23.82 | 0.00 | 0.92 | 0.41 | 0.21 | 1.54 | 1.11 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 505 | 5.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.46 | 21.36 | 0.00 | 23.71 | 0.00 | 0.92 | 0.41 | 0.21 | 1.54 | 1.11 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 506 | 5.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.48 | 21.25 | 0.00 | 23.60 | 0.00 | 0.92 | 0.40 | 0.21 | 1.53 | 1.11 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 507 | 5.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.50 | 21.15 | 0.00 | 23.50 | 0.00 | 0.92 | 0.40 | 0.21 | 1.52 | 1.11 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 508 | 5.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.51 | 21.04 | 0.00 | 23.39 | 0.00 | 0.92 | 0.39 | 0.21 | 1.52 | 1.11 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 509 | 5.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.52 | 20.93 | 0.00 | 23.28 | 0.00 | 0.92 | 0.39 | 0.21 | 1.51 | 1.11 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 510 | 5.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.53 | 20.83 | 0.00 | 23.18 | 0.00 | 0.92 | 0.38 | 0.20 | 1.50 | 1.10 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 511 | 4.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.54 | 20.72 | 0.00 | 23.07 | 0.00 | 0.92 | 0.38 | 0.20 | 1.50 | 1.10 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 512 | 4.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.55 | 20.62 | 0.00 | 22.97 | 0.00 | 0.92 | 0.37 | 0.20 | 1.49 | 1.10 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 513 | 4.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.56 | 20.51 | 0.00 | 22.86 | 0.00 | 0.91 | 0.37 | 0.20 | 1.48 | 1.10 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 514 | 4.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.57 | 20.41 | 0.00 | 22.76 | 0.00 | 0.91 | 0.36 | 0.20 | 1.48 | 1.10 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 515 | 4.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.57 | 20.31 | 0.00 | 22.66 | 0.00 | 0.91 | 0.36 | 0.20 | 1.47 | 1.10 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 516 | 4.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 20.21 | 0.00 | 22.56 | 0.00 | 0.91 | 0.35 | 0.20 | 1.46 | 1.10 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 517 | 4.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.58 | 20.10 | 0.00 | 22.45 | 0.00 | 0.91 | 0.35 | 0.20 | 1.46 | 1.10 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 518 | 4.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 20.00 | 0.00 | 22.35 | 0.00 | 0.91 | 0.34 | 0.20 | 1.45 | 1.10 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 519 | 4.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 19.90 | 0.00 | 22.25 | 0.00 | 0.91 | 0.34 | 0.20 | 1.44 | 1.10 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 520 | 4.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 19.80 | 0.00 | 22.15 | 0.00 | 0.91 | 0.33 | 0.19 | 1.44 | 1.10 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 521 | 3.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 19.70 | 0.00 | 22.05 | 0.00 | 0.91 | 0.33 | 0.19 | 1.43 | 1.10 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 522 | 3.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 19.60 | 0.00 | 21.95 | 0.00 | 0.91 | 0.32 | 0.19 | 1.42 | 1.09 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 523 | 3.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 19.50 | 0.00 | 21.85 | 0.00 | 0.91 | 0.32 | 0.19 | 1.42 | 1.09 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 524 | 3.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 19.41 | 0.00 | 21.75 | 0.00 | 0.91 | 0.31 | 0.19 | 1.41 | 1.09 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 525 | 3.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 19.31 | 0.00 | 21.66 | 0.00 | 0.90 | 0.31 | 0.19 | 1.40 | 1.09 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 526 | 3.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 19.21 | 0.00 | 21.56 | 0.00 | 0.90 | 0.31 | 0.19 | 1.40 | 1.09 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 527 | 3.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 19.11 | 0.00 | 21.46 | 0.00 | 0.90 | 0.30 | 0.18 | 1.39 | 1.09 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 528 | 3.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 19.02 | 0.00 | 21.37 | 0.00 | 0.90 | 0.30 | 0.18 | 1.38 | 1.09 | 1.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 529 | 3.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 18.92 | 0.00 | 21.27 | 0.00 | 0.90 | 0.29 | 0.18 | 1.38 | 1.09 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 530 | 3.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 18.83 | 0.00 | 21.18 | 0.00 | 0.90 | 0.29 | 0.18 | 1.37 | 1.09 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 531 | 2.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 18.73 | 0.00 | 21.08 | 0.00 | 0.90 | 0.29 | 0.18 | 1.36 | 1.09 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 532 | 2.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 18.64 | 0.00 | 20.99 | 0.00 | 0.90 | 0.28 | 0.17 | 1.36 | 1.09 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 533 | 2.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 18.54 | 0.00 | 20.89 | 0.00 | 0.90 | 0.28 | 0.17 | 1.35 | 1.09 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 534 | 2.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 18.44 | 0.00 | 20.79 | 0.00 | 0.90 | 0.27 | 0.17 | 1.34 | 1.08 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 535 | 2.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 18.35 | 0.00 | 20.69 | 0.00 | 0.90 | 0.27 | 0.17 | 1.34 | 1.08 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 536 | 2.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 18.25 | 0.00 | 20.60 | 0.00 | 0.90 | 0.27 | 0.17 | 1.33 | 1.08 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 537 | 2.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 18.16 | 0.00 | 20.51 | 0.00 | 0.89 | 0.26 | 0.17 | 1.32 | 1.08 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 538 | 2.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 18.07 | 0.00 | 20.42 | 0.00 | 0.89 | 0.26 | 0.16 | 1.32 | 1.08 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 539 | 2.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 17.98 | 0.00 | 20.33 | 0.00 | 0.89 | 0.26 | 0.16 | 1.31 | 1.08 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 540 | 2.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 17.89 | 0.00 | 20.24 | 0.00 | 0.89 | 0.25 | 0.16 | 1.30 | 1.08 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 541 | 1.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 17.80 | 0.00 | 20.15 | 0.00 | 0.89 | 0.25 | 0.16 | 1.30 | 1.08 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 542 | 1.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.67 | 17.71 | 0.00 | 20.06 | 0.00 | 0.89 | 0.25 | 0.15 | 1.29 | 1.08 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 543 | 1.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 17.62 | 0.00 | 19.97 | 0.00 | 0.89 | 0.24 | 0.15 | 1.29 | 1.08 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 544 | 1.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 17.53 | 0.00 | 19.88 | 0.00 | 0.89 | 0.24 | 0.15 | 1.28 | 1.08 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 545 | 1.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.68 | 17.45 | 0.00 | 19.80 | 0.00 | 0.89 | 0.24 | 0.15 | 1.27 | 1.08 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 546 | 1.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.59 | 18.10 | 0.00 | 20.45 | 0.00 | 0.95 | 0.37 | 0.17 | 1.50 | 1.13 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 547 | 1.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.60 | 18.02 | 0.00 | 20.36 | 0.00 | 0.95 | 0.37 | 0.17 | 1.49 | 1.13 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 548 | 1.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 17.93 | 0.00 | 20.28 | 0.00 | 0.95 | 0.36 | 0.17 | 1.48 | 1.13 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 549 | 1.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.61 | 17.84 | 0.00 | 20.19 | 0.00 | 0.94 | 0.36 | 0.17 | 1.48 | 1.13 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 550 | 1.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 17.75 | 0.00 | 20.10 | 0.00 | 0.94 | 0.35 | 0.17 | 1.47 | 1.13 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 551 | 0.900 | 20.00 | 0.00 | 1.00 | 0.00 | 8.62 | 17.66 | 0.00 | 20.01 | 0.00 | 0.94 | 0.35 | 0.17 | 1.46 | 1.13 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 552 | 0.800 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 17.57 | 0.00 | 19.92 | 0.00 | 0.94 | 0.35 | 0.17 | 1.46 | 1.13 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 553 | 0.700 | 20.00 | 0.00 | 1.00 | 0.00 | 8.63 | 17.49 | 0.00 | 19.83 | 0.00 | 0.94 | 0.34 | 0.17 | 1.45 | 1.13 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 554 | 0.600 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 17.40 | 0.00 | 19.75 | 0.00 | 0.94 | 0.34 | 0.17 | 1.44 | 1.13 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 555 | 0.500 | 20.00 | 0.00 | 1.00 | 0.00 | 8.64 | 17.31 | 0.00 | 19.66 | 0.00 | 0.94 | 0.33 | 0.17 | 1.44 | 1.13 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 556 | 0.400 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 17.23 | 0.00 | 19.58 | 0.00 | 0.94 | 0.33 | 0.16 | 1.43 | 1.13 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 557 | 0.300 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 17.14 | 0.00 | 19.49 | 0.00 | 0.94 | 0.32 | 0.16 | 1.42 | 1.12 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 558 | 0.200 | 20.00 | 0.00 | 1.00 | 0.00 | 8.65 | 17.06 | 0.00 | 19.40 | 0.00 | 0.94 | 0.32 | 0.16 | 1.42 | 1.12 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 559 | 0.100 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 16.97 | 0.00 | 19.32 | 0.00 | 0.94 | 0.31 | 0.16 | 1.41 | 1.12 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 560 | 0.000 | 20.00 | 0.00 | 1.00 | 0.00 | 8.66 | 16.89 | 0.00 | 19.24 | 0.00 | 0.94 | 0.31 | 0.16 | 1.41 | 1.12 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.0 | 0.0 | 0. |
| 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

********** PHYTOPLANKTON AND PERIPHYTON DATA
**********

| ELEM NO. | ENDING DIST | BANK SHADE frac | SECCHI DEPTH m | PHYT N PREF | PHYT LIT LIM | PHYT N LIM | PHYT P LIM | PHYT N&P LIM | PHYT TOT LIM | PHYT GROW 1/da | PHYT RESP 1/da | PHYT DEATH 1/da | PHYT SETT 1/da | PHYT P/R RATIO | PHYTO µg/L | PERI N PREF | PERI LIT LIM | PERI N LIM | PERI P LIM | PERI N&P LIM | PERI SPC LIM | PERI TOT LIM | PERI GROW 1/da | PERI RESP 1/da | PERI DEATH 1/da | PERI P/R RATIO | PERIP g/m² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 487 | 7.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 488 | 7.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 489 | 7.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 490 | 7.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 491 | 6.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 492 | 6.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 493 | 6.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 494 | 6.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 495 | 6.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 496 | 6.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 497 | 6.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 498 | 6.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 499 | 6.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 500 | 6.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 501 | 5.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 502 | 5.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 503 | 5.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 504 | 5.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 505 | 5.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 506 | 5.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 507 | 5.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 508 | 5.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 509 | 5.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 510 | 5.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 511 | 4.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 512 | 4.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 513 | 4.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 514 | 4.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 515 | 4.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 516 | 4.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 517 | 4.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 518 | 4.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 519 | 4.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 520 | 4.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 521 | 3.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 522 | 3.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 523 | 3.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 524 | 3.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 525 | 3.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 526 | 3.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 527 | 3.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 528 | 3.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 529 | 3.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 530 | 3.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 531 | 2.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 532 | 2.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 533 | 2.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 534 | 2.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 535 | 2.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 536 | 2.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 537 | 2.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 538 | 2.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 539 | 2.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 540 | 2.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 541 | 1.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 542 | 1.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 543 | 1.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 544 | 1.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 545 | 1.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 546 | 1.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 547 | 1.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 548 | 1.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 549 | 1.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 550 | 1.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 551 | 0.900 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 552 | 0.800 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 553 | 0.700 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 554 | 0.600 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 555 | 0.500 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 556 | 0.400 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 557 | 0.300 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 558 | 0.200 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 559 | 0.100 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |
| 560 | 0.000 | 0.00 | Inf | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.0 | 22.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.000 | 0.0 | 0.0 |

20 DEG C RATE 0.000 0.000 0.000 0.000 0.000 0.000 0.000

NOTE ON NITR PREF: 1.0=NO3 ; 0.0=NH3

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

REACH SUMMARY REPORT: Pont. Creek

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Pontchatoula (Head to PTS) | 40.60 | 28.40 | 12.20 | 5.98 | 0.03179 | 0.02361 | 0.460 | 2.74 | 1.123 | 0.077 | 1.508 | 8.99 |
| 3 | Pontchatoula (PTS to YWRC) | 28.40 | 24.70 | 3.70 | 0.36 | 0.03118 | 0.11973 | 0.181 | 3.35 | 1.101 | 0.393 | 0.595 | 10.99 |
| 4 | Pontchatoula (YWRC to EPON) | 24.70 | 20.70 | 4.00 | 1.68 | 0.04607 | 0.02757 | 0.448 | 3.08 | 1.627 | 0.090 | 1.471 | 10.11 |
| 6 | Pontchatoula (EPON to Arnold) | 20.70 | 10.90 | 9.80 | 0.19 | 0.59316 | 0.59404 | 0.147 | 3.20 | 20.944 | 1.949 | 0.481 | 10.50 |
| 8 | Pontchatoula (Arnold to YWR) | 10.90 | 6.60 | 4.30 | 0.72 | 0.62962 | 0.06893 | 0.496 | 18.29 | 22.232 | 0.226 | 1.629 | 60.01 |
| 9 | Pontchatoula (YWR to base) | 6.60 | 0.00 | 6.60 | 9.84 | 0.63091 | 0.00776 | 1.568 | 51.82 | 22.277 | 0.025 | 5.144 | 170.02 |

REACH SUMMARY REPORT: Pont. Trib.

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Pontchatoula Trib. | 8.00 | 0.00 | 8.00 | 0.57 | 0.03602 | 0.16165 | 0.197 | 0.91 | 1.272 | 0.530 | 0.647 | 2.99 |

REACH SUMMARY REPORT: East Pont.

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | East Pontchatoula | 10.90 | 0.00 | 10.90 | 5.49 | 0.04287 | 0.02297 | 0.391 | 3.87 | 1.514 | 0.075 | 1.283 | 12.70 |

REACH SUMMARY REPORT: Arnold's Creek

| RCH NO. | REACH NAME | BEGIN DIST km | ENDING DIST km | REACH LENGTH km | TRAVEL TIME days | FLOW AT RCH END m3/s | AVG VELO m/s | AVG DEPTH m | AVG WIDTH m | FLOW AT RCH END cfs | AVG VELO fps | AVG DEPTH ft | AVG WIDTH ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | Arnold Creek | 7.40 | 0.00 | 7.40 | 6.66 | 0.02891 | 0.01285 | 0.429 | 5.18 | 1.021 | 0.042 | 1.406 | 17.00 |

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation

STREAM SUMMARY REPORT: Pont. Creek

```
 TRAVEL TIME       =          18.77 DAYS
 MAXIMUM EFFLUENT  =          17.03 PERCENT

 FLOW              =   0.02830 TO    0.63091   m³/s
 DISPERSION        =   0.0000  TO   35.0000    m²/s
 VELOCITY          =   0.00775 TO    1.16557   m/s
 DEPTH             =   0.13    TO    1.57      m
 WIDTH             =   2.74    TO   51.82      m

 BOD DECAY         =    0.03   TO    0.05      per day
 NH3 DECAY         =    0.18   TO    0.18      per day
 SOD               =    0.00   TO    1.40      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    0.45   TO   10.00      per day
 BOD SETTLING      =    0.01   TO    0.08      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   20.00   TO   20.00      deg C
 DISSOLVED OXYGEN  =    6.88   TO    9.08      mg/L

STREAM SUMMARY REPORT: Pont. Trib.

 TRAVEL TIME       =           0.57 DAYS
 MAXIMUM EFFLUENT  =          21.43 PERCENT

 FLOW              =   0.02830 TO    0.03602   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.15816 TO    0.19520   m/s
 DEPTH             =   0.20    TO    0.20      m
 WIDTH             =   0.91    TO    0.91      m

 BOD DECAY         =    0.03   TO    0.03      per day
 NH3 DECAY         =    0.18   TO    0.18      per day
 SOD               =    0.00   TO    0.00      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =   10.00   TO   10.00      per day
 BOD SETTLING      =    0.05   TO    0.05      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   20.00   TO   20.00      deg C
 DISSOLVED OXYGEN  =    7.00   TO    9.02      mg/L

STREAM SUMMARY REPORT: East Pont.

 TRAVEL TIME       =           5.49 DAYS
 MAXIMUM EFFLUENT  =          11.39 PERCENT

 FLOW              =   0.02839 TO    0.04287   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.01927 TO    0.02760   m/s
 DEPTH             =   0.38    TO    0.40      m
 WIDTH             =   3.87    TO    3.87      m

 BOD DECAY         =    0.03   TO    0.03      per day
 NH3 DECAY         =    0.18   TO    0.18      per day
 SOD               =    2.26   TO    2.26      g/m²/d
 NH3 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 PO4 SED SOURCE    =    0.00   TO    0.00      g/m²/d
 REAERATION        =    2.47   TO    2.64      per day
 BOD SETTLING      =    0.02   TO    0.03      per day
 ORG-N DECAY       =    0.01   TO    0.01      per day
 ORG-N SETTLING    =    0.00   TO    0.00      per day

 TEMPERATURE       =   20.00   TO   20.00      deg C
 DISSOLVED OXYGEN  =    6.40   TO    6.82      mg/L

STREAM SUMMARY REPORT: Arnold's Creek

 TRAVEL TIME       =           6.66 DAYS
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MAXIMUM EFFLUENT  =          2.11 PERCENT

FLOW              =  0.02830 TO    0.02891   m³/s
DISPERSION        =  0.0000  TO    0.0000    m²/s
VELOCITY          =  0.01276 TO    0.01300   m/s
DEPTH             =  0.43    TO    0.43      m
WIDTH             =  5.18    TO    5.18      m

BOD DECAY         =   0.03   TO    0.03      per day
NH3 DECAY         =   0.18   TO    0.18      per day
SOD               =   0.50   TO    0.50      g/m²/d
NH3 SED SOURCE    =   0.00   TO    0.00      g/m²/d
PO4 SED SOURCE    =   0.00   TO    0.00      g/m²/d
REAERATION        =   1.98   TO    1.98      per day
BOD SETTLING      =   0.02   TO    0.02      per day
ORG-N DECAY       =   0.01   TO    0.01      per day
ORG-N SETTLING    =   0.00   TO    0.00      per day

TEMPERATURE       =  20.00   TO   20.00      deg C
DISSOLVED OXYGEN  =   7.10   TO    8.68      mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
TMDL Simulation
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INPUT/OUTPUT LOADING SUMMARY

| | FLOW m³/s | DO kg/d | BOD1 kg/d | BOD2 kg/d | ORG-N kg/d | NH3-N kg/d | NO3-N kg/d | ORG-P kg/d | PO4-P kg/d | CHL A | PERIP | NCM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HEADWATER FLOW | 0.11320 | 67.00 | 179.26 | 0.00 | 17.69 | 2.69 | 0.88 | 0.00 | 0.00 | 0.00 | | 0.00 |
| INCREMENTAL INFLOW | 0.53820 | 318.53 | 1326.72 | 0.00 | 48.70 | 12.87 | 16.16 | 0.00 | 0.00 | 0.00 | | 0.00 |
| INCREMENTAL OUTFLOW | 0.00000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| WASTELOADS | 0.03331 | 9.14 | 137.44 | 0.00 | 10.95 | 18.59 | 5.58 | 0.00 | 0.00 | 0.00 | | 0.00 |
| WITHDRAWLS | -0.05380 | -41.38 | -83.82 | 0.00 | -12.14 | -3.88 | -2.04 | 0.00 | 0.00 | 0.00 | | 0.00 |
| FLOW THRU LOWER BNDRY | -0.63091 | -374.83 | -1241.88 | 0.00 | -88.60 | -8.24 | -4.65 | 0.00 | 0.00 | 0.00 | | 0.00 |
| DISPERSION THRU LOWER BNDRY | | -64.35 | 462.85 | 0.00 | 32.12 | -2.88 | -3.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| DISPERSION THRU HDWTR BNDRY | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 |
| NON-POINT INPUT | | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | 0.00 |
| NATURAL REAERATION | | 754.31 | | | | | | | | | | |
| DAM REAERATION | | 0.00 | | | | | | | | | | |
| SOD BACKGROUND | | -507.62 | | | | | | | | | | |
| BOD1 DECAY | | -623.41 | -623.41 | | | | | | | | | |
| BOD1 SETTLING | | 0.00 | -124.00 | | | | | | | | | |
| ANAEROBIC BOD1 DECAY | | | 0.00 | | | | | | | | | |
| BOD2 DECAY | | 0.00 | | 0.00 | | | | | | | | |
| BOD2 SETTLING | | 0.00 | | 0.00 | | | | | | | | |
| ANAEROBIC BOD2 DECAY | | | | 0.00 | | | | | | | | |
| BOD2 HYDROLYSIS | | | 0.00 | 0.00 | | | | | | | | |
| ORG-N DECAY | | 0.00 | | | -8.72 | 8.72 | | | | | | |
| ORG-N SETTLING | | | | | 0.00 | 0.00 | | | | | | |
| NH3-N DECAY (NITRIFICATION) | | -120.68 | | | | -27.87 | 27.87 | | | | | |
| NH3-N BACKGROUND SEDIMENT SOURCE | | | | | | 0.00 | | | | | | |
| DENITRIFICATION | | | -33.29 | | | | -11.65 | | | | | |
| ORG-P HYDROLYSIS | | | | | | | | 0.00 | 0.00 | | | |
| ORG-P SETTLING | | | | | | | | 0.00 | 0.00 | | | |
| PO4-P BACKGROUND SEDIMENT SOURCE | | | | | | | | | 0.00 | | | |
| PHYTOPLANKTON GROWTH/PHOTOSYNTHESIS | | 583.18 | | | | 0.00 | -29.16 | | 0.00 | 0.00 | | |
| PHYTOPLANKTON RESPIRATION/EXCRETION | | 0.00 | | | | 0.00 | | | 0.00 | 0.00 | | |
| PHYTOPLANKTON SETTLING | | 0.00 | | | | 0.00 | | | 0.00 | 0.00 | | |
| PHYTOPLANKTON DEATH | | | 0.00 | 0.00 | 0.00 | | | 0.00 | | 0.00 | | |
| PERIPHYTON GROWTH/PHOTOSYNTHESIS | | 0.00 | | | | 0.00 | 0.00 | | 0.00 | | 0.00 | |
| PERIPHYTON RESPIRATION/EXCRETION | | 0.00 | | | | 0.00 | | | 0.00 | | 0.00 | |
| PERIPHYTON DEATH | | | 0.00 | 0.00 | 0.00 | | | 0.00 | | | 0.00 | |
| NCM DECAY | | 0.00 | | | | | | | | | | 0.00 |
| NCM SETTLING | | 0.00 | | | | | | | | | | 0.00 |
| TOTAL INPUTS | 0.68471 | 1732.15 | 2106.29 | 0.00 | 109.46 | 42.87 | 50.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL OUTPUTS | -0.68471 | -1732.27 | -2106.40 | 0.00 | -109.47 | -42.87 | -50.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NET CONVERGENCE ERROR | 0.00000 | -0.13 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

.....EXECUTION COMPLETED

# APPENDIX J:
# Baseline Water Quality Plots

## FIGURES

Figure J-1. Summer DO baseline results for Ponchatoula Creek in subsegment 040505..... J-1
Figure J-2. Summer $CBOD_u$ baseline results for Ponchatoula Creek in subsegment 040505. ..... J-1
Figure J-3. Summer ammonia baseline results for Ponchatoula Creek in subsegment 040505. ..... J-2
Figure J-4. Summer organic nitrogen baseline results for Ponchatoula Creek in subsegment 040505.J-2
Figure J-5. Summer nitrate+nitrite baseline results for Ponchatoula Creek in subsegment 040505. ... J-3
Figure J-6. Summer DO baseline results for East Ponchatoula Creek in subsegment 040505..... J-3
Figure J-7. Summer $CBOD_u$ baseline results for East Ponchatoula Creek in subsegment 040505. .... J-4
Figure J-8. Summer ammonia baseline results for East Ponchatoula Creek in subsegment 040505. . J-4
Figure J-9. Summer organic nitrogen baseline results for East Ponchatoula Creek in subsegment 040505. ..... J-5
Figure J-10. Summer nitrate+nitrite baseline results for East Ponchatoula Creek in subsegment 040505. ..... J-5
Figure J-11. Winter DO baseline results for Ponchatoula Creek in subsegment 040505..... J-6
Figure J-12. Winter $CBOD_u$ baseline results for Ponchatoula Creek in subsegment 040505..... J-6
Figure J-13. Winter ammonia baseline results for Ponchatoula Creek in subsegment 040505..... J-7
Figure J-14. Winter organic nitrogen baseline results for Ponchatoula Creek in subsegment 040505. J-7
Figure J-15. Winter nitrate+nitrite baseline results for Ponchatoula Creek in subsegment 040505..... J-8
Figure J-16. Winter DO baseline results for East Ponchatoula Creek in subsegment 040505..... J-8
Figure J-17. Winter $CBOD_u$ baseline results for East Ponchatoula Creek in subsegment 040505..... J-9
Figure J-18. Winter ammonia baseline results for East Ponchatoula Creek in subsegment 040505.... J-9
Figure J-19. Winter organic nitrogen baseline results for East Ponchatoula Creek in subsegment 040505. .....J-10
Figure J-20. Winter nitrate+nitrite baseline results for East Ponchatoula Creek in subsegment 040505. .....J-10

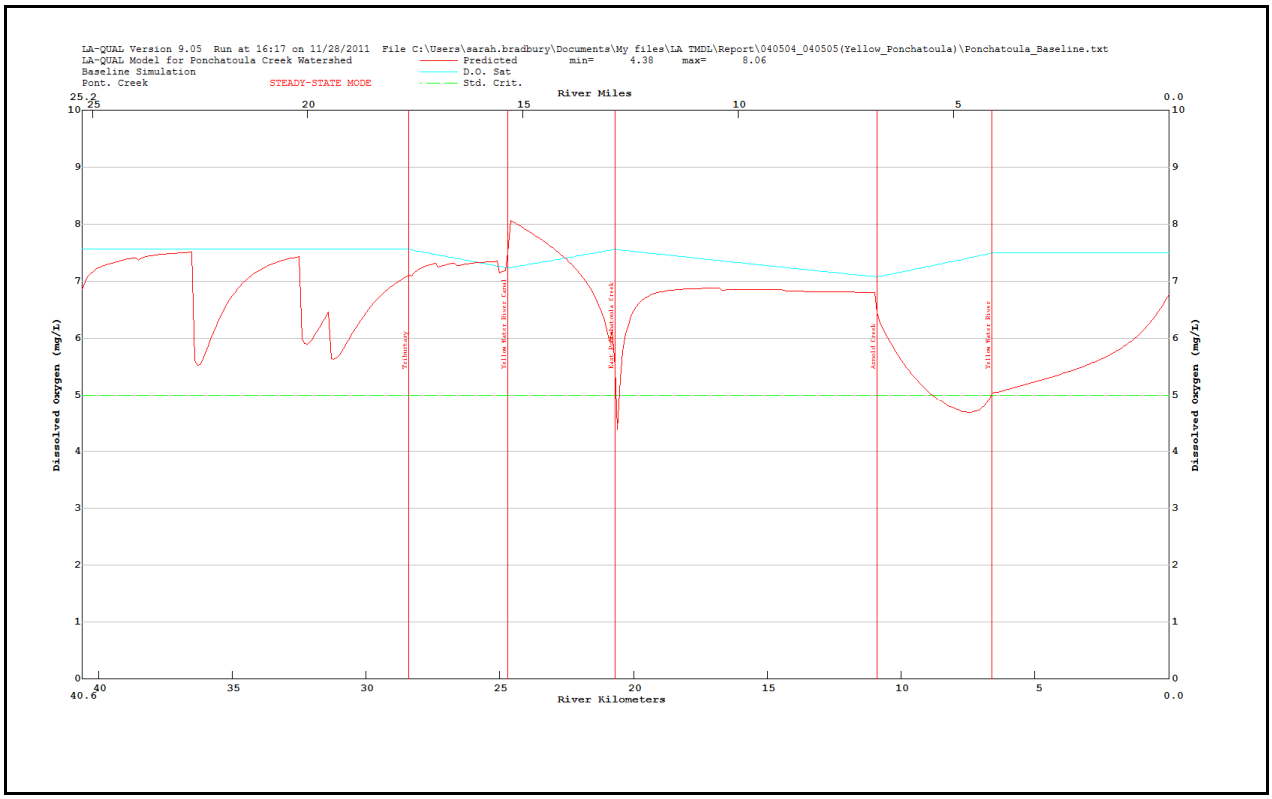


**Figure J-1. Summer DO baseline results for Ponchatoula Creek in subsegment 040505.**

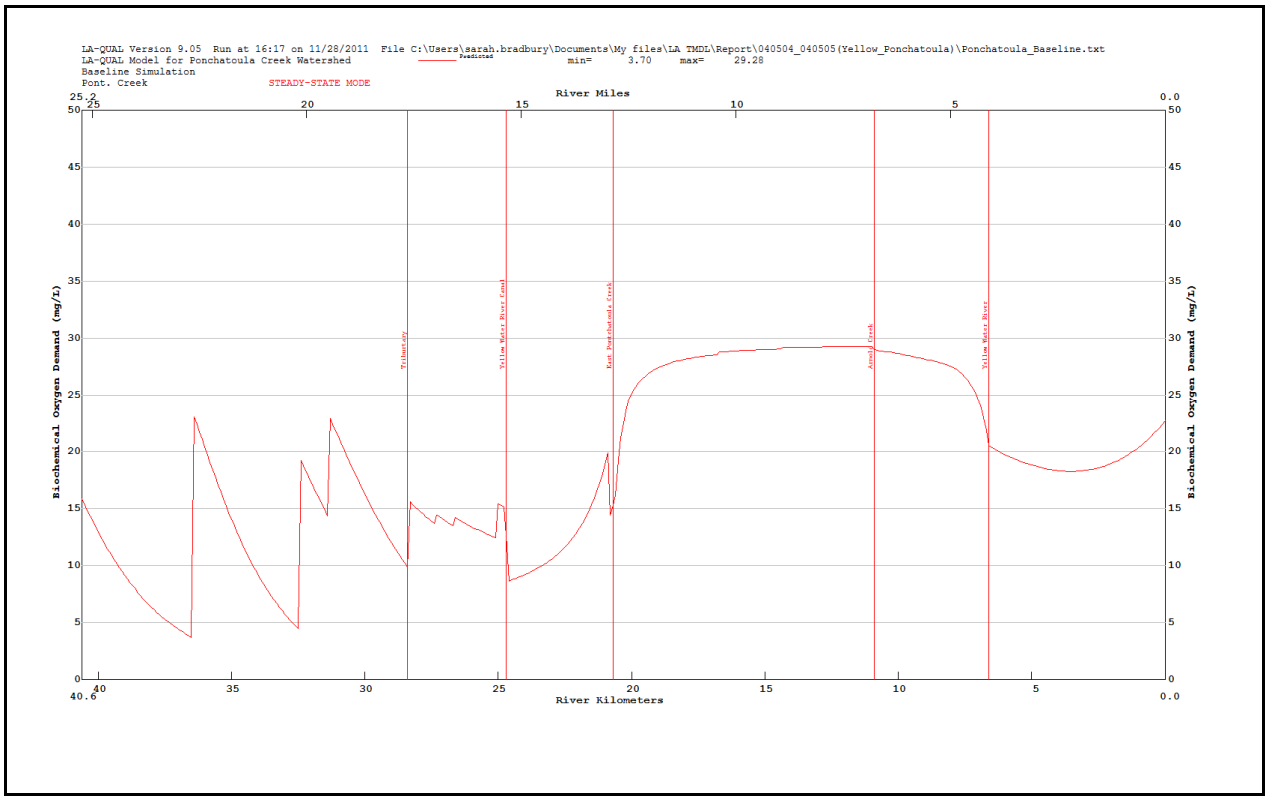


**Figure J-2. Summer $CBOD_u$ baseline results for Ponchatoula Creek in subsegment 040505.**

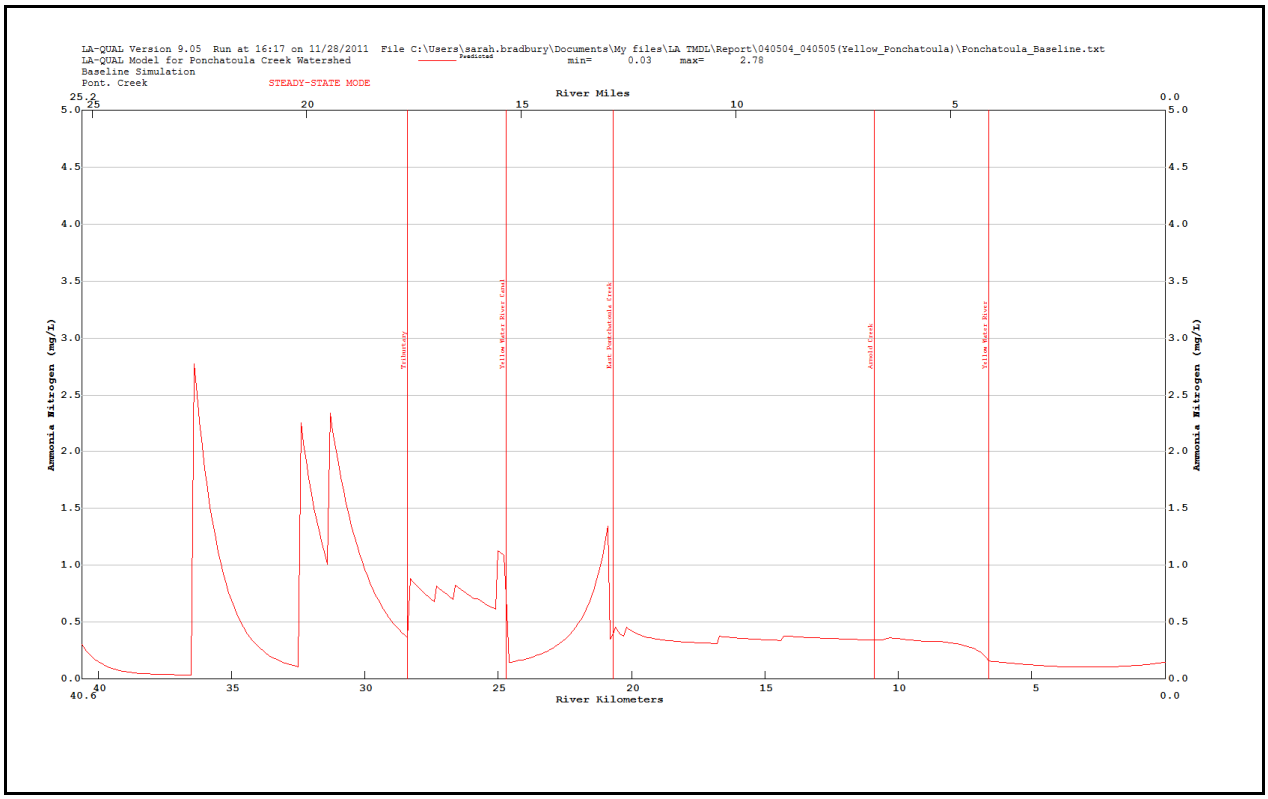


**Figure J-3. Summer ammonia baseline results for Ponchatoula Creek in subsegment 040505.**

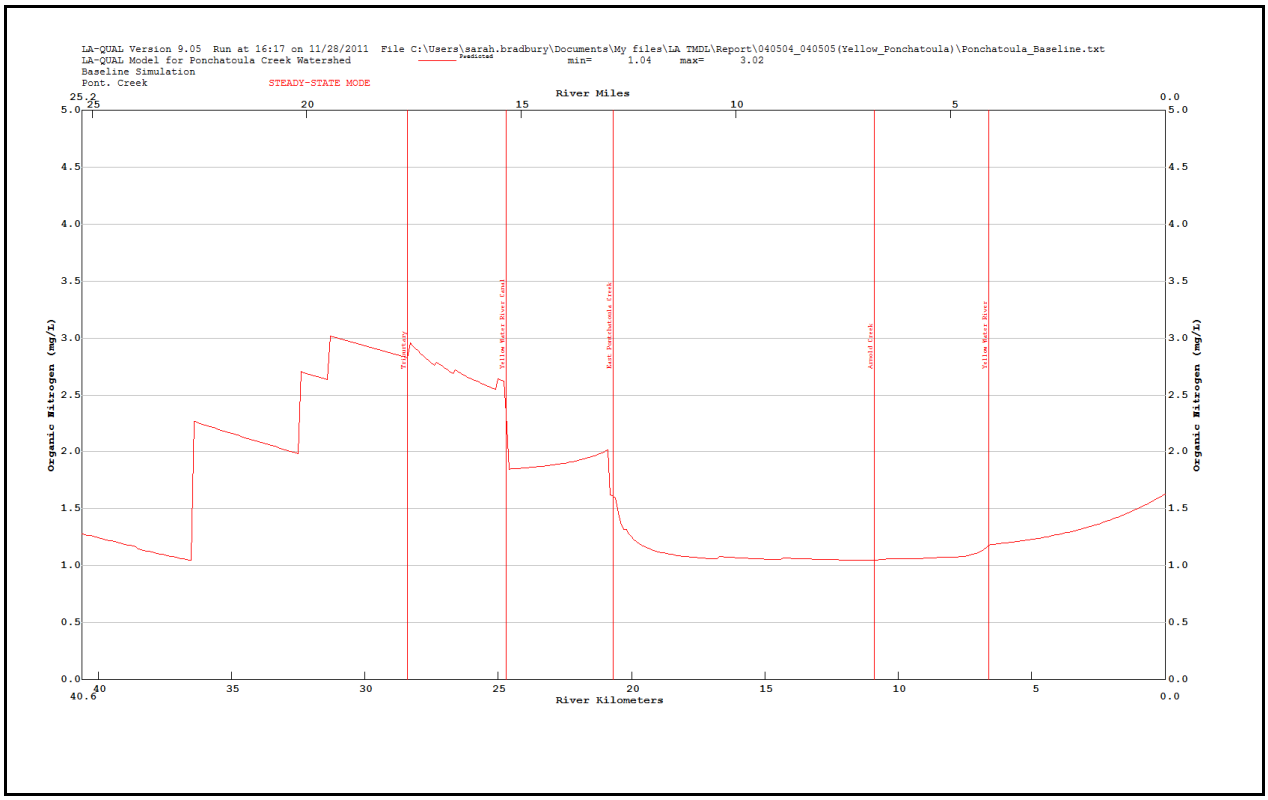


**Figure J-4. Summer organic nitrogen baseline results for Ponchatoula Creek in subsegment 040505.**

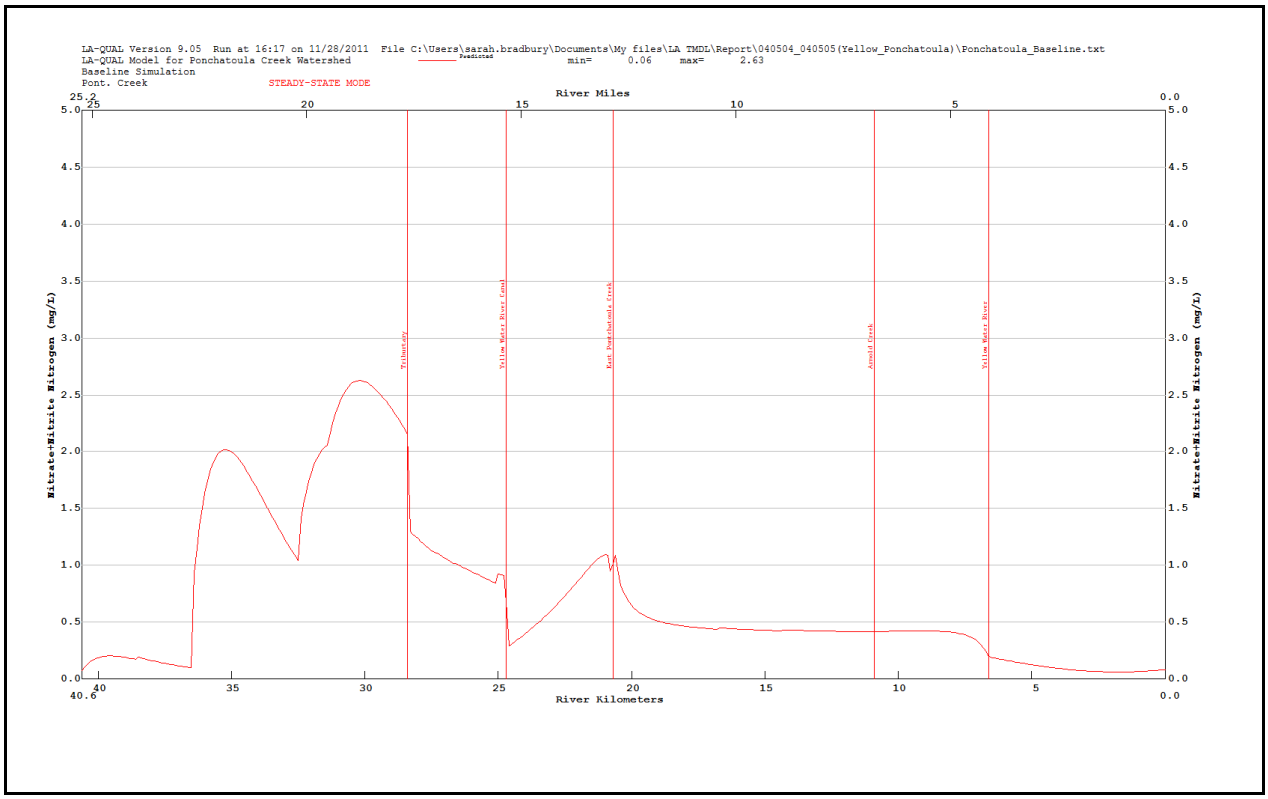


Figure J-5. Summer nitrate+nitrite baseline results for Ponchatoula Creek in subsegment 040505.

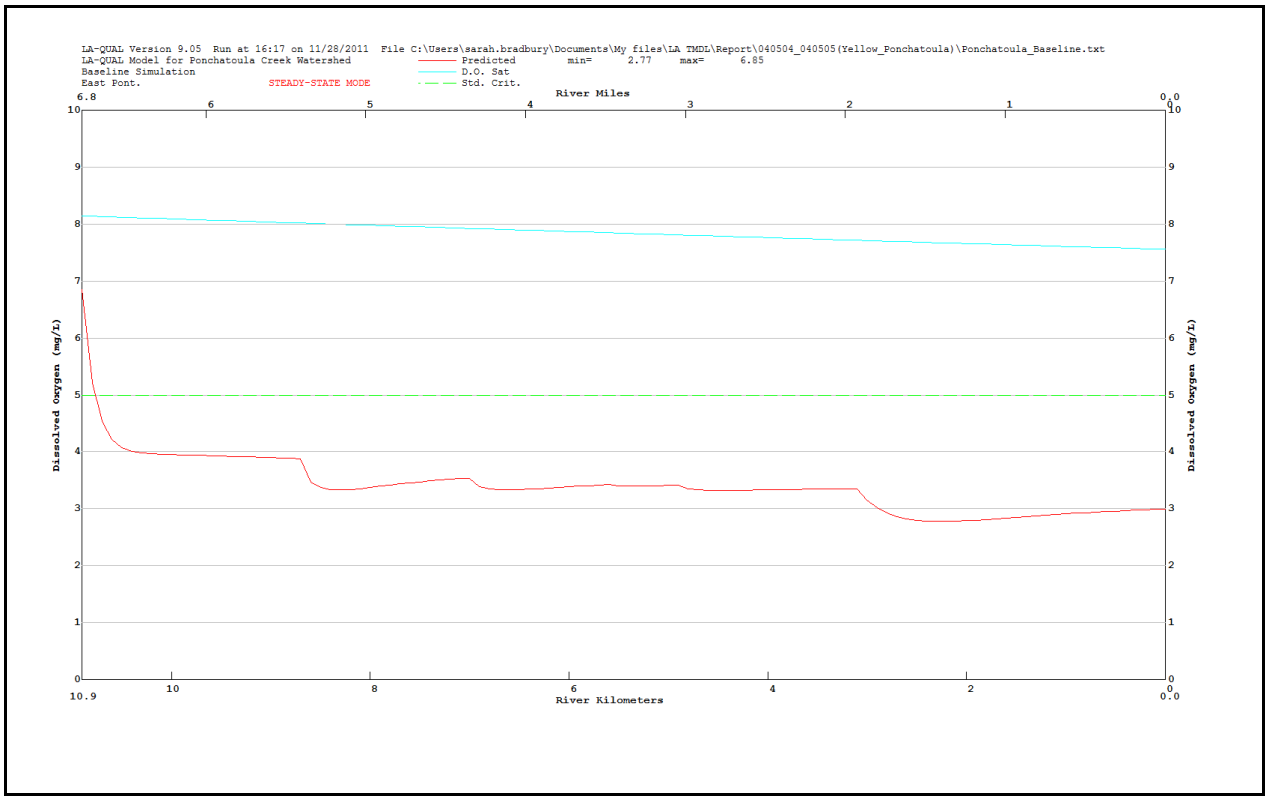


Figure J-6. Summer DO baseline results for East Ponchatoula Creek in subsegment 040505.

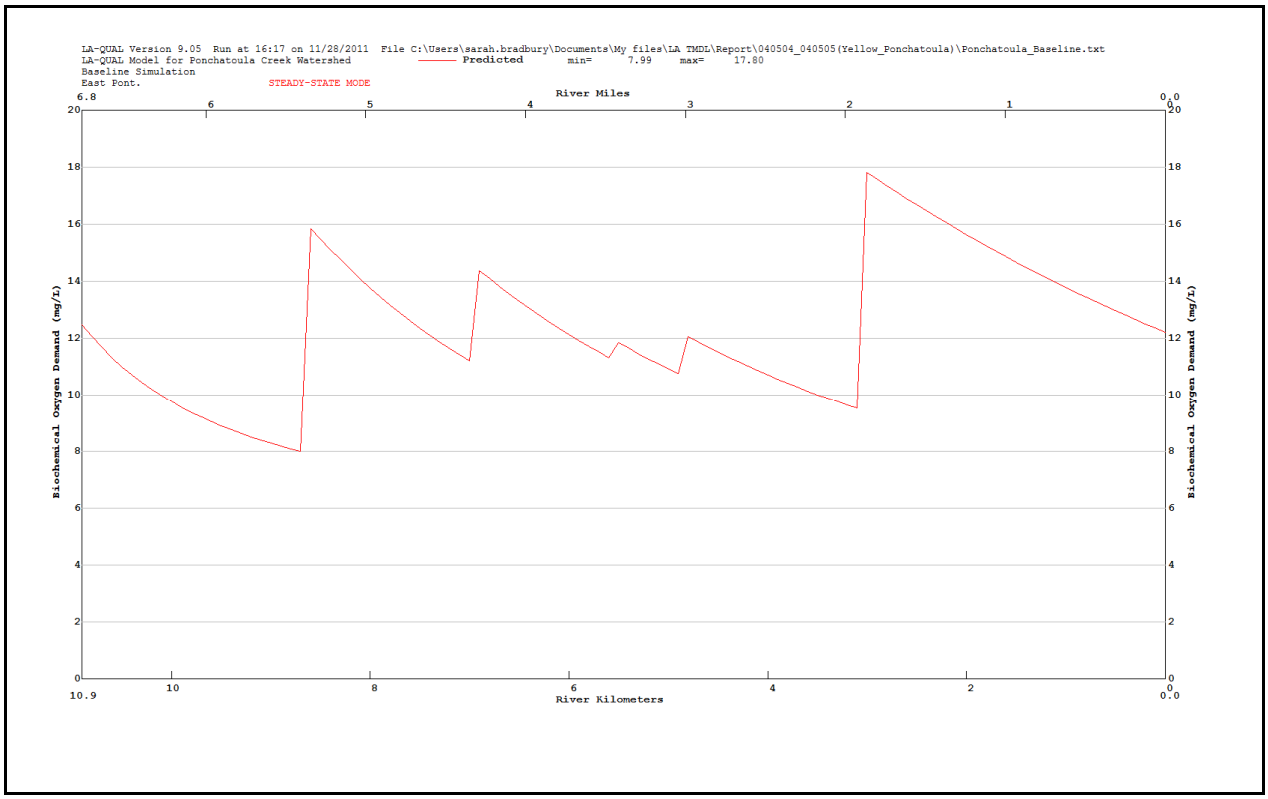


**Figure J-7. Summer $CBOD_u$ baseline results for East Ponchatoula Creek in subsegment 040505.**

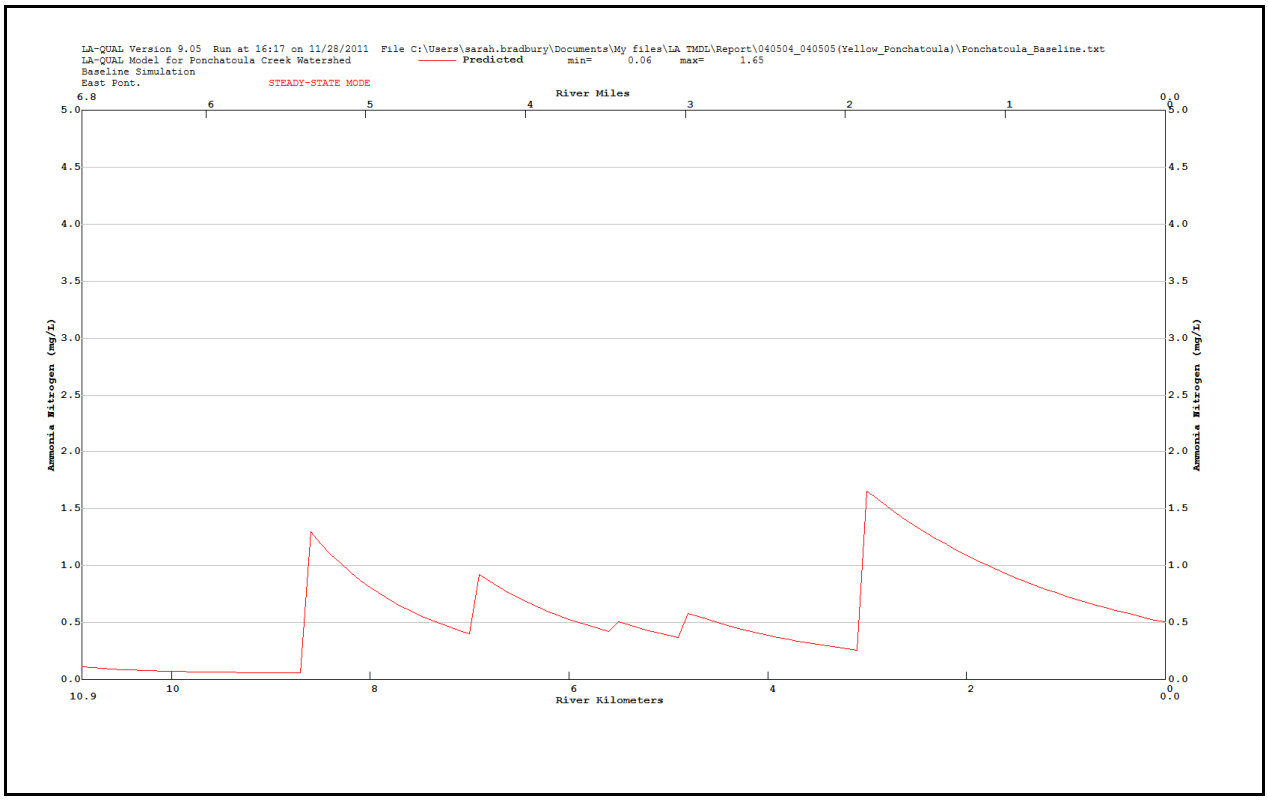


**Figure J-8. Summer ammonia baseline results for East Ponchatoula Creek in subsegment 040505.**

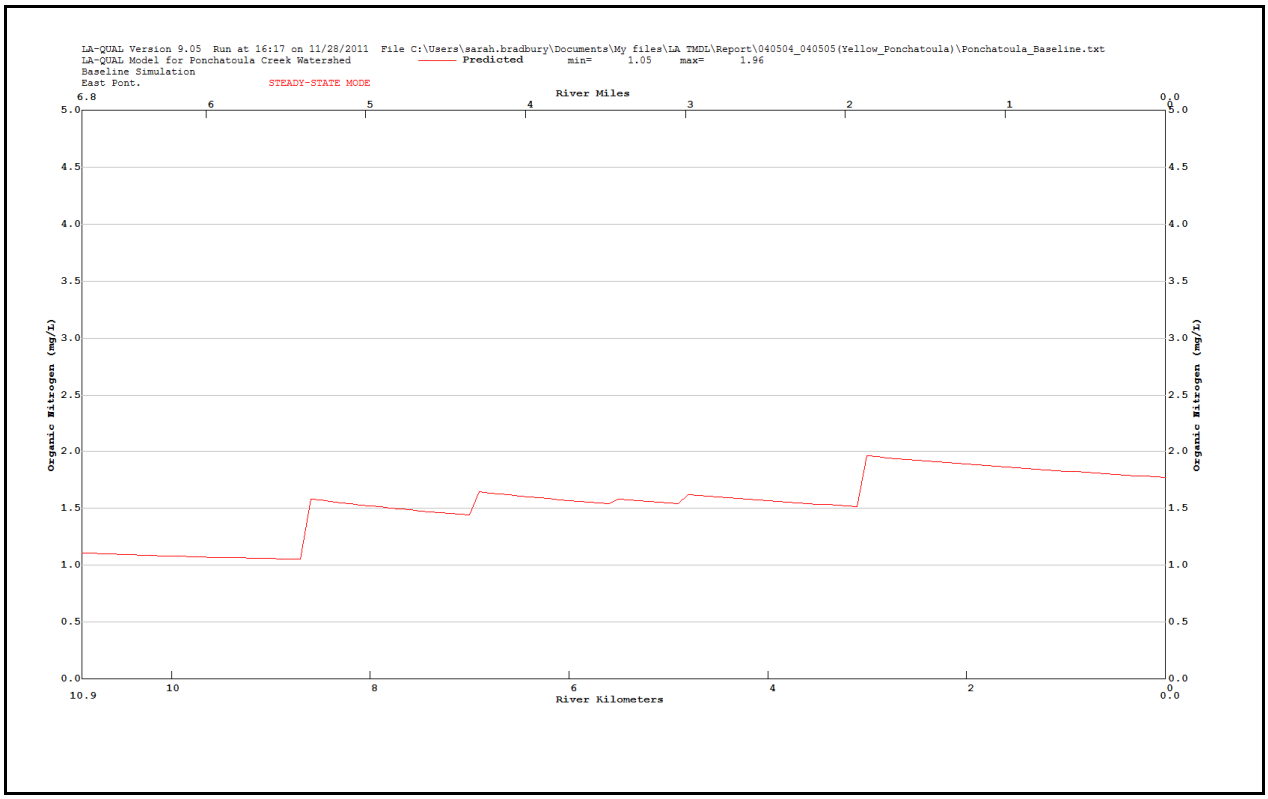


Figure J-9. Summer organic nitrogen baseline results for East Ponchatoula Creek in subsegment 040505.

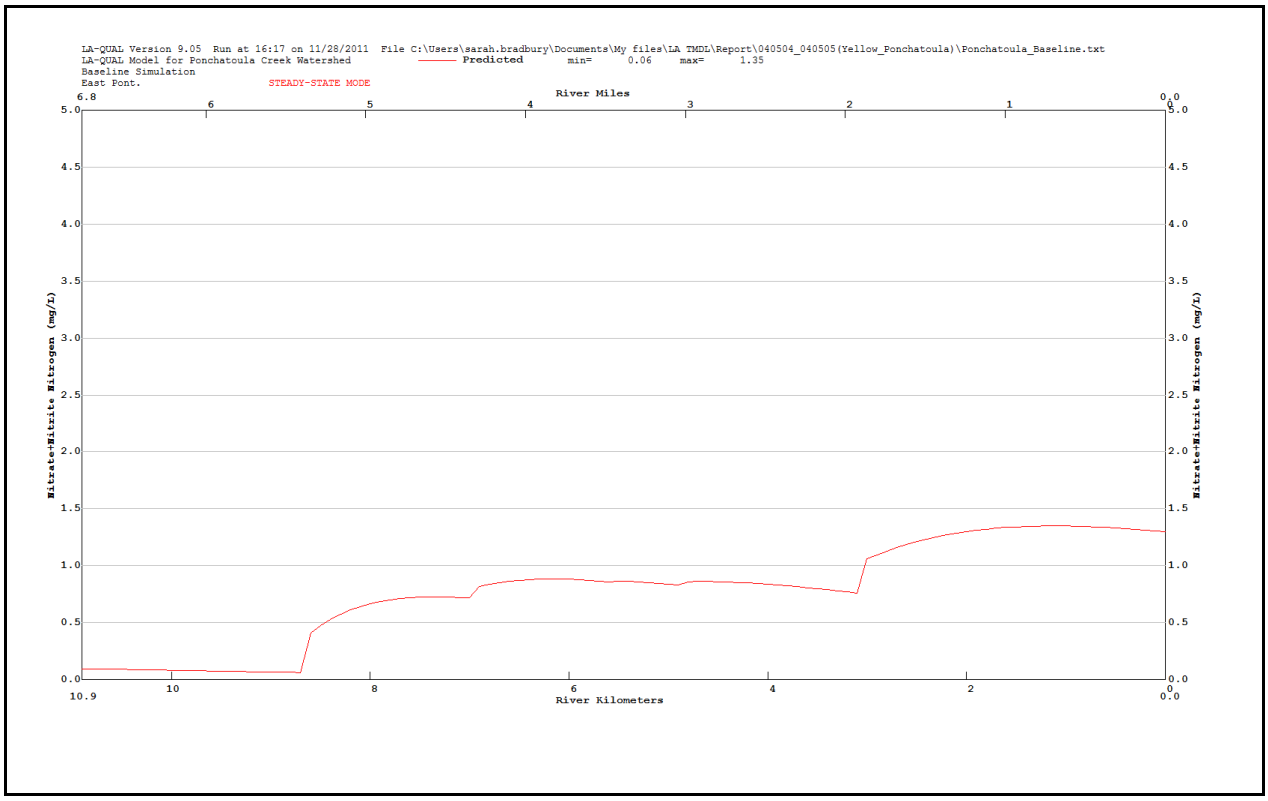


Figure J-10. Summer nitrate+nitrite baseline results for East Ponchatoula Creek in subsegment 040505.

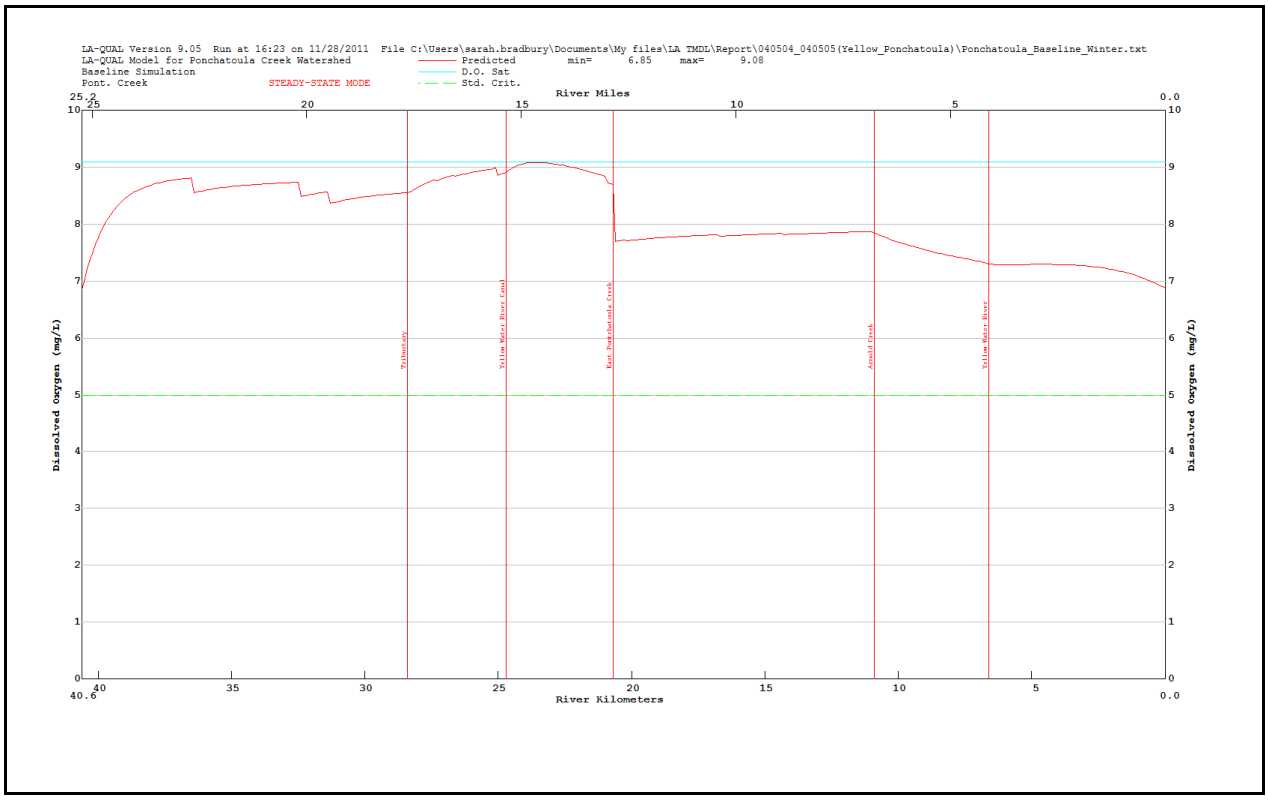


**Figure J-11. Winter DO baseline results for Ponchatoula Creek in subsegment 040505.**

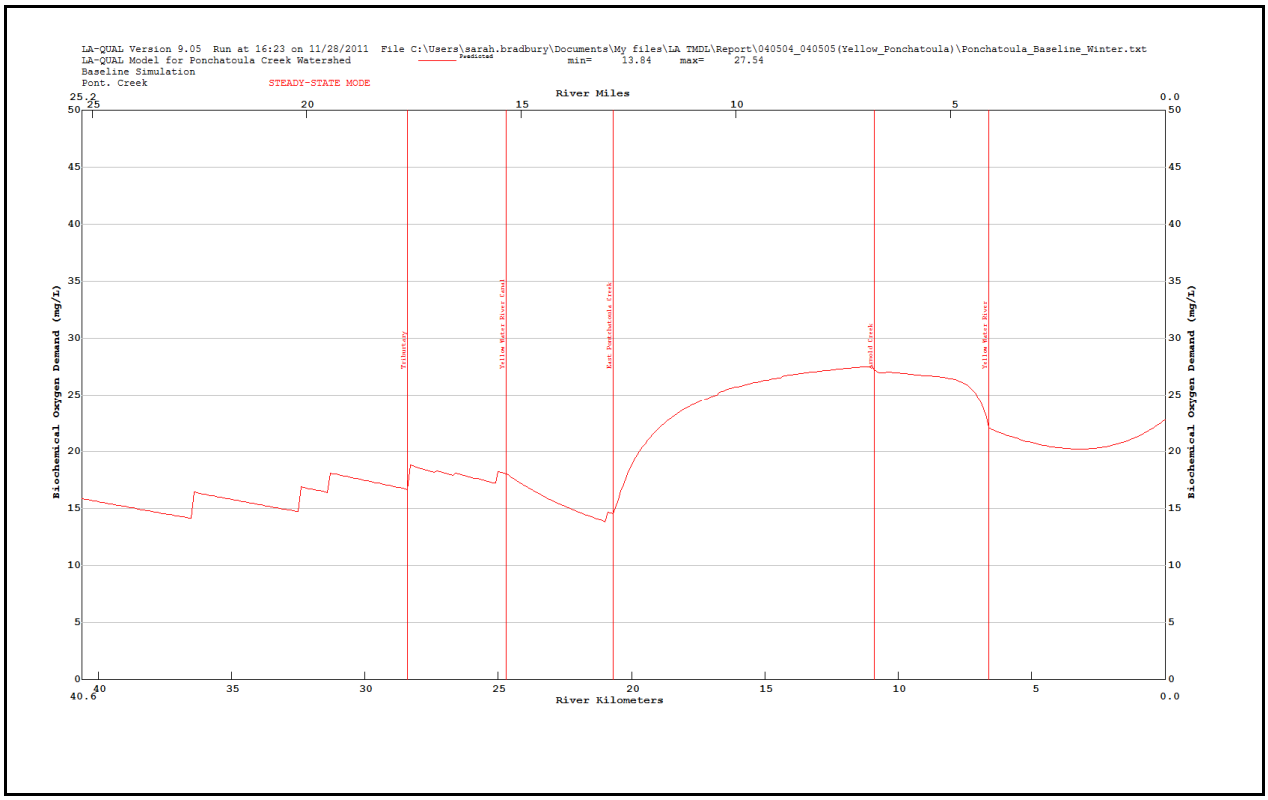


**Figure J-12. Winter $CBOD_u$ baseline results for Ponchatoula Creek in subsegment 040505.**

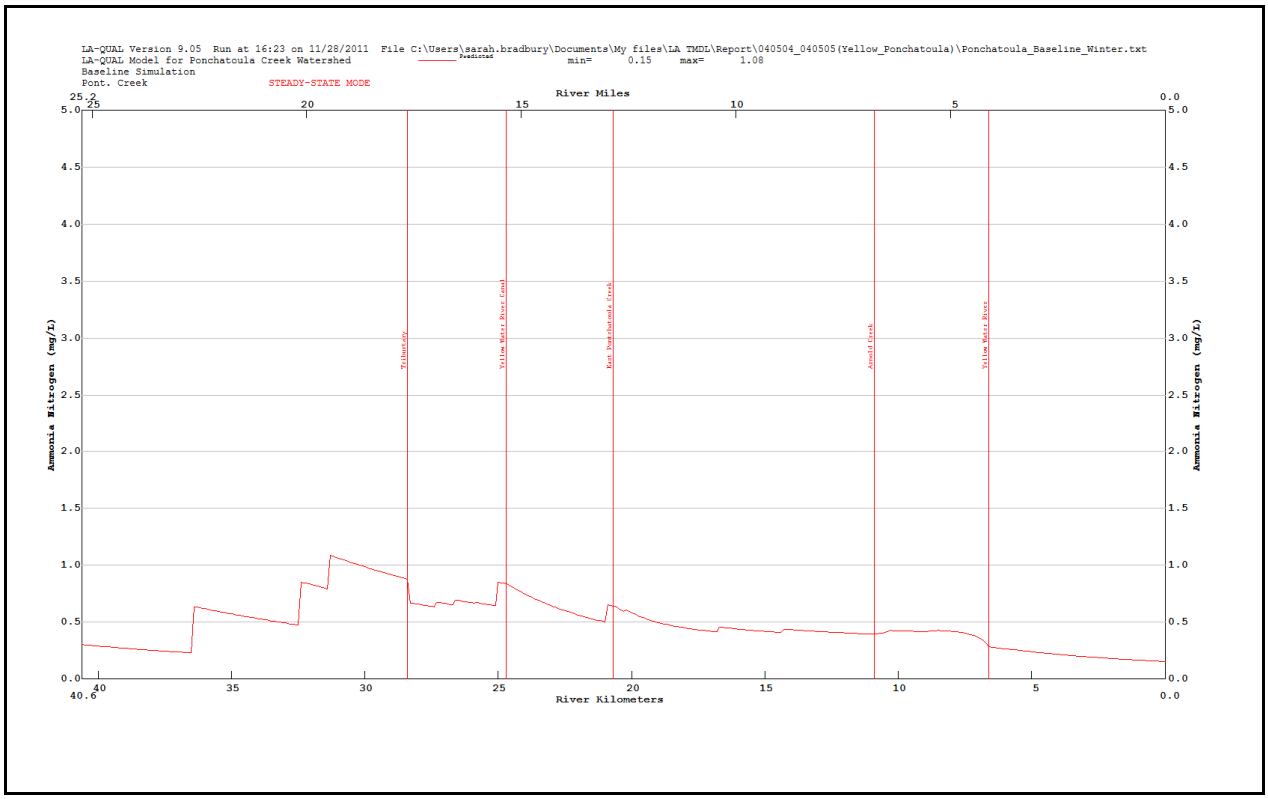


Figure J-13. Winter ammonia baseline results for Ponchatoula Creek in subsegment 040505.

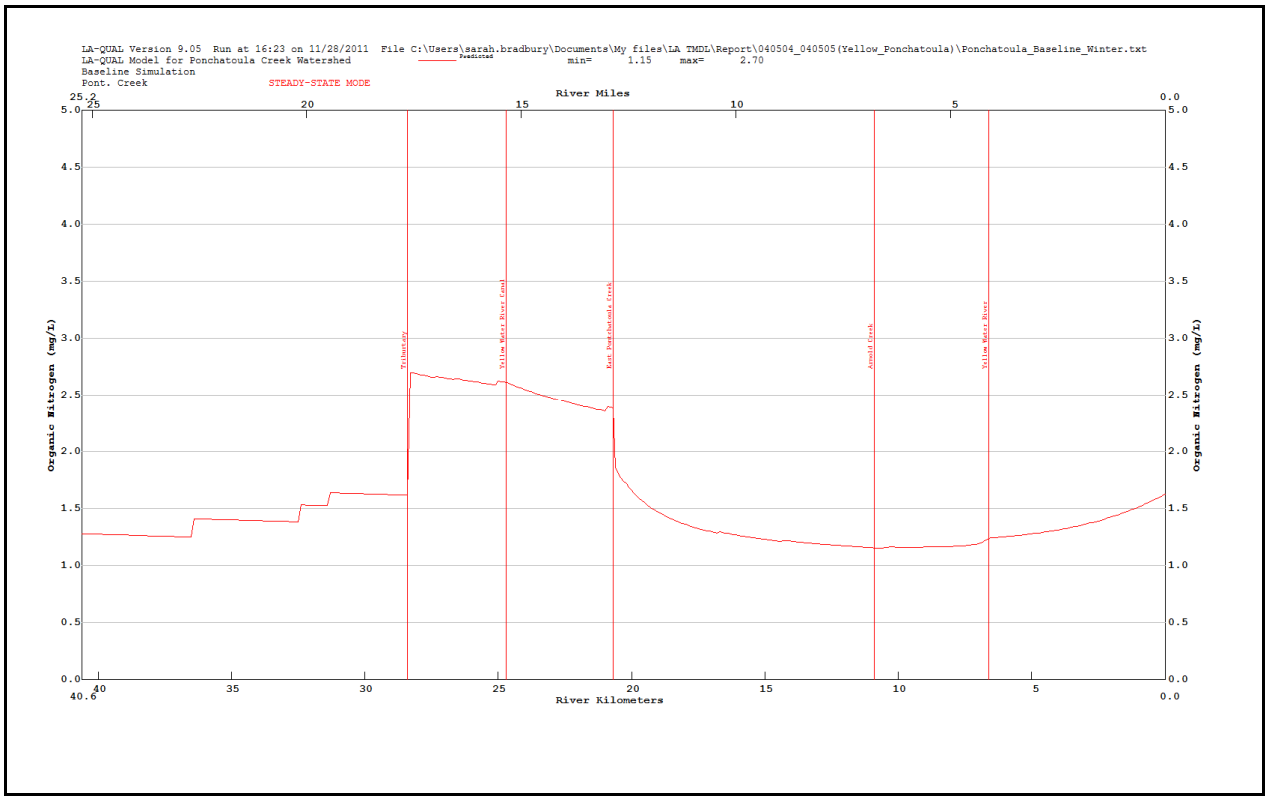


Figure J-14. Winter organic nitrogen baseline results for Ponchatoula Creek in subsegment 040505.

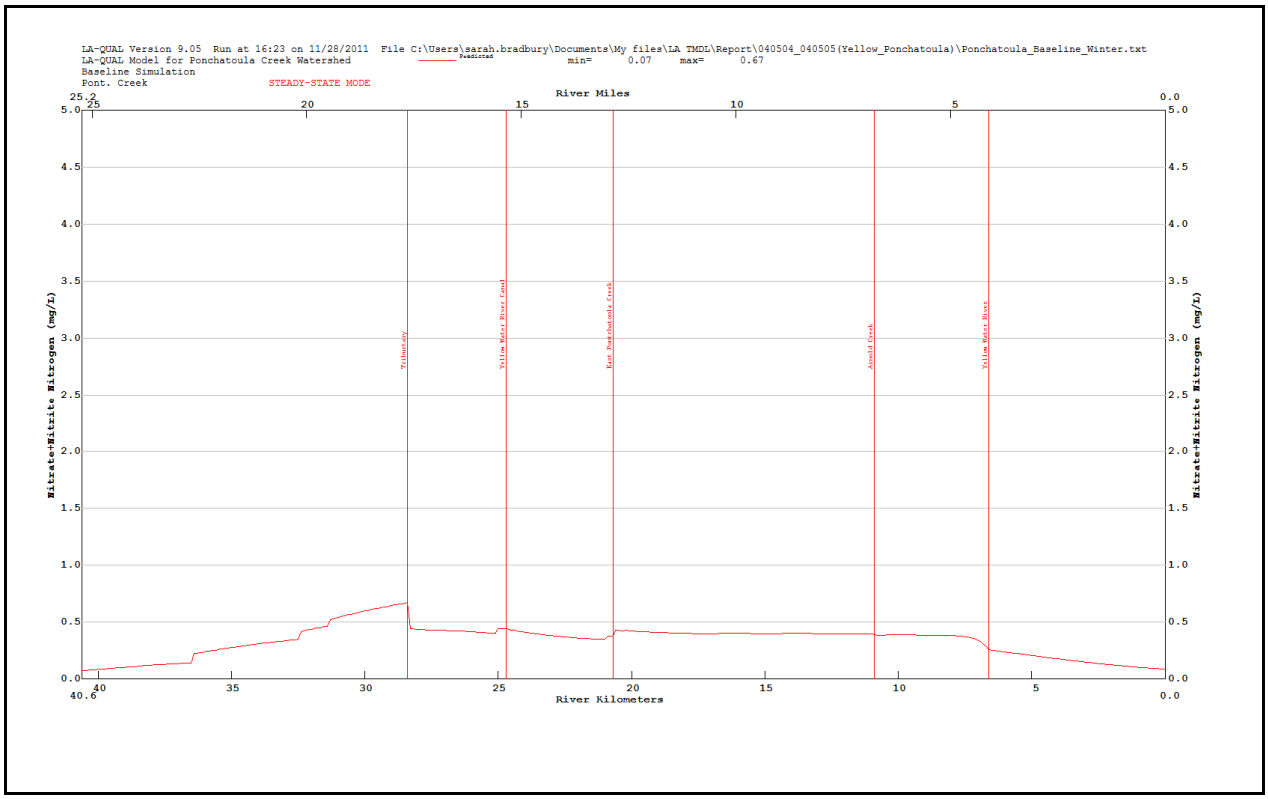


Figure J-15. Winter nitrate+nitrite baseline results for Ponchatoula Creek in subsegment 040505.

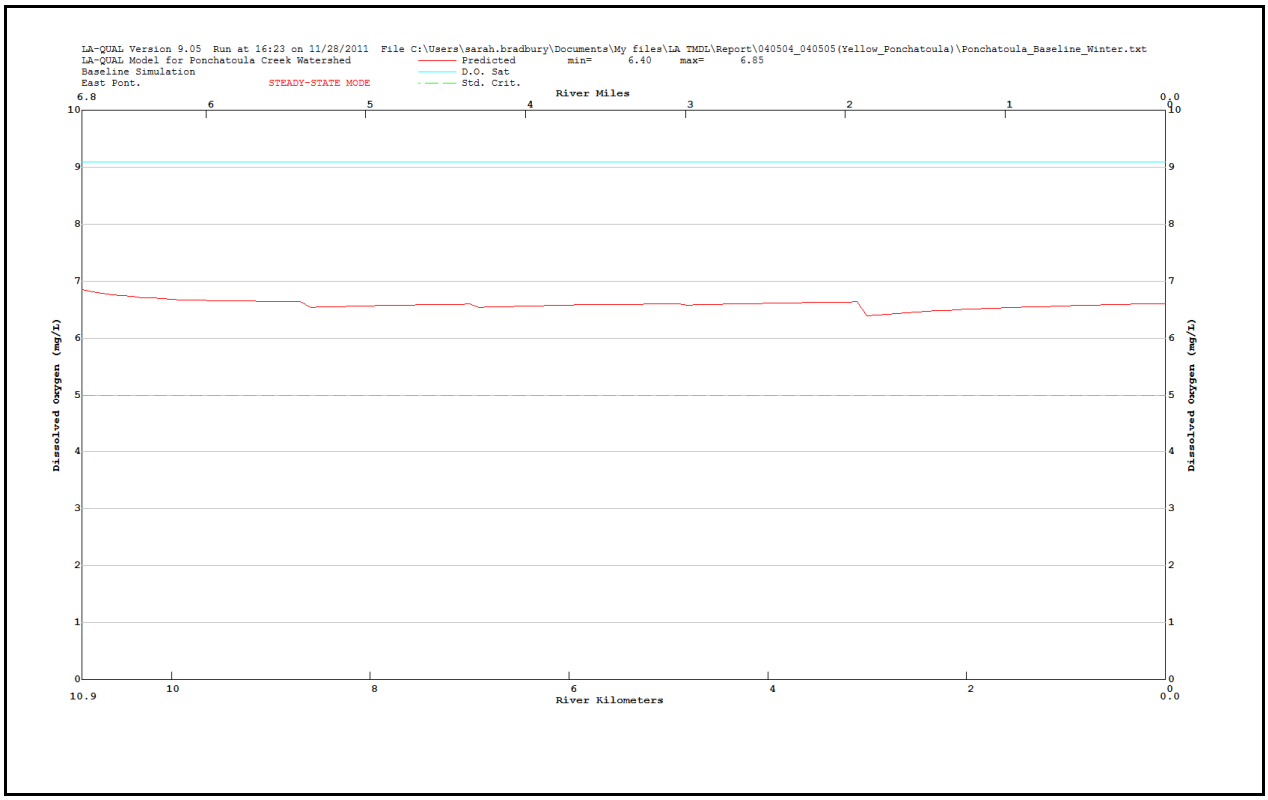


Figure J-16. Winter DO baseline results for East Ponchatoula Creek in subsegment 040505.

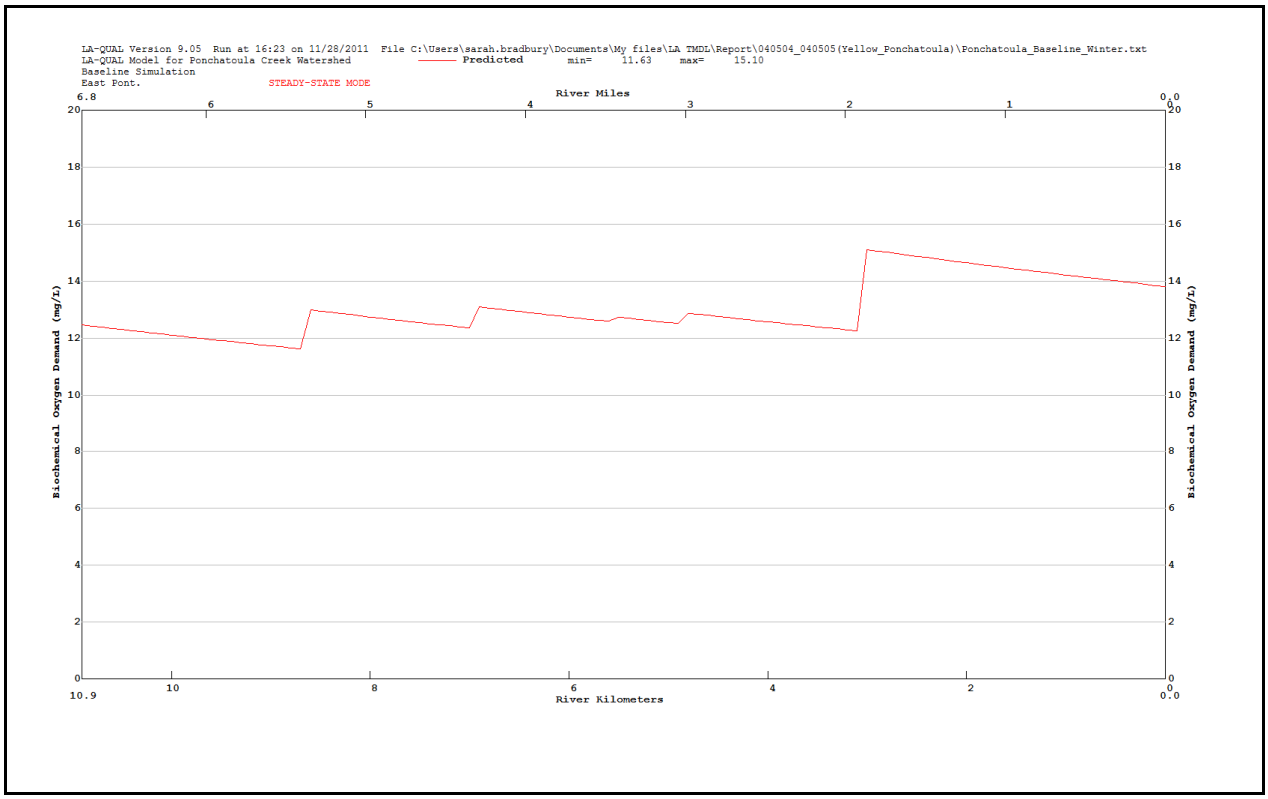


**Figure J-17. Winter $CBOD_u$ baseline results for East Ponchatoula Creek in subsegment 040505.**

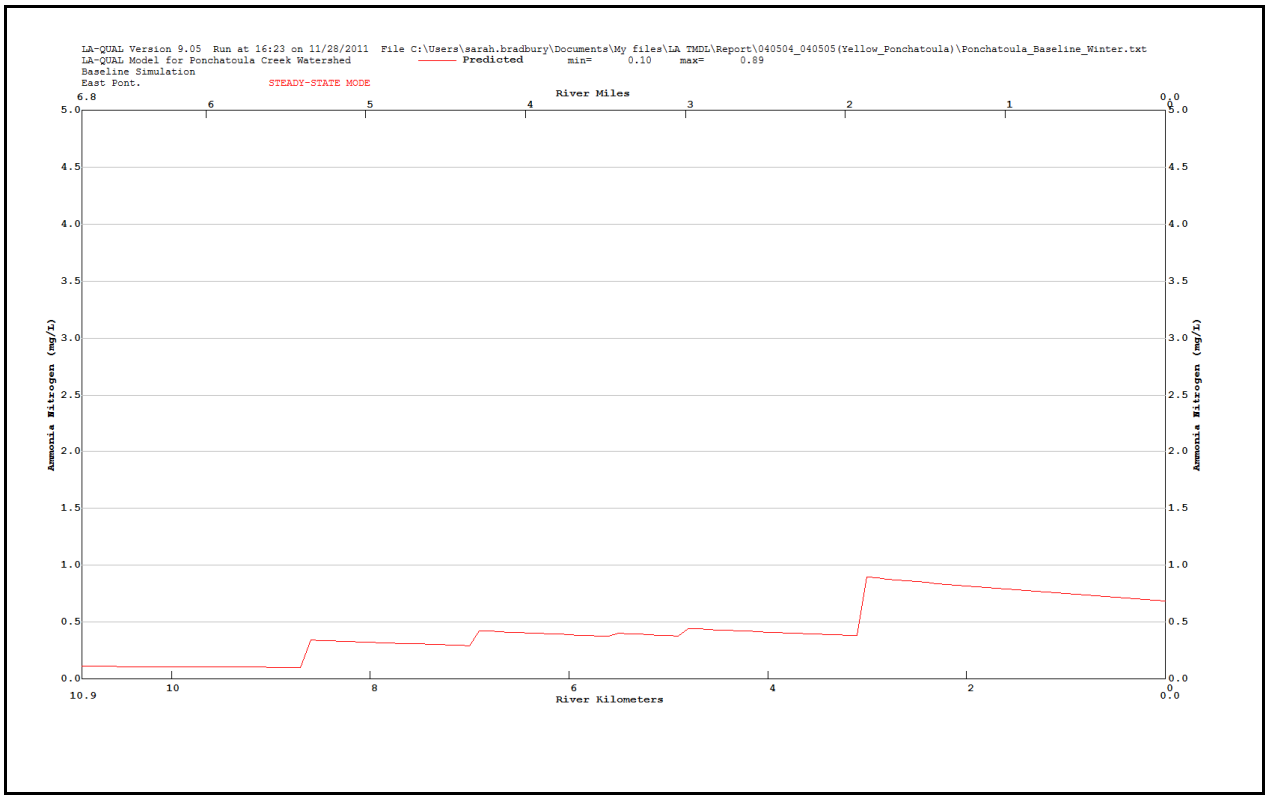


**Figure J-18. Winter ammonia baseline results for East Ponchatoula Creek in subsegment 040505.**

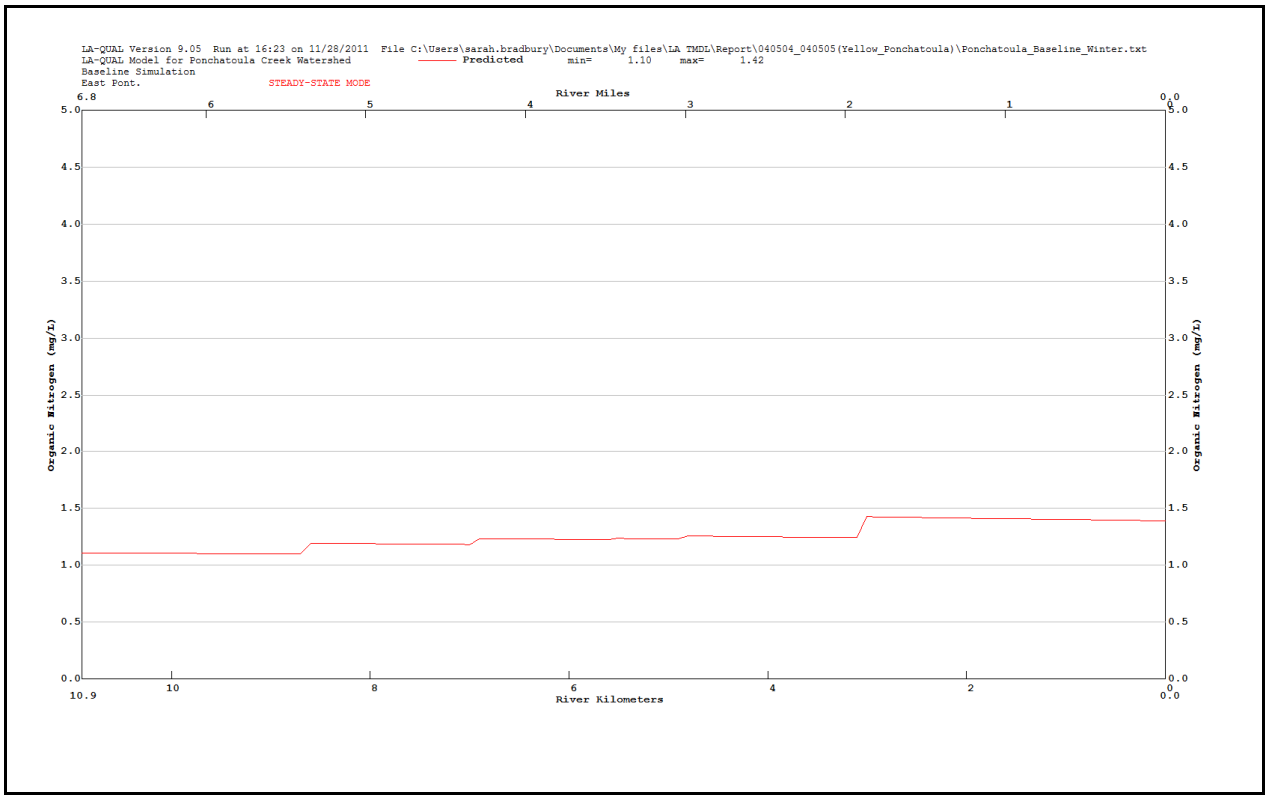


Figure J-19. Winter organic nitrogen baseline results for East Ponchatoula Creek in subsegment 040505.

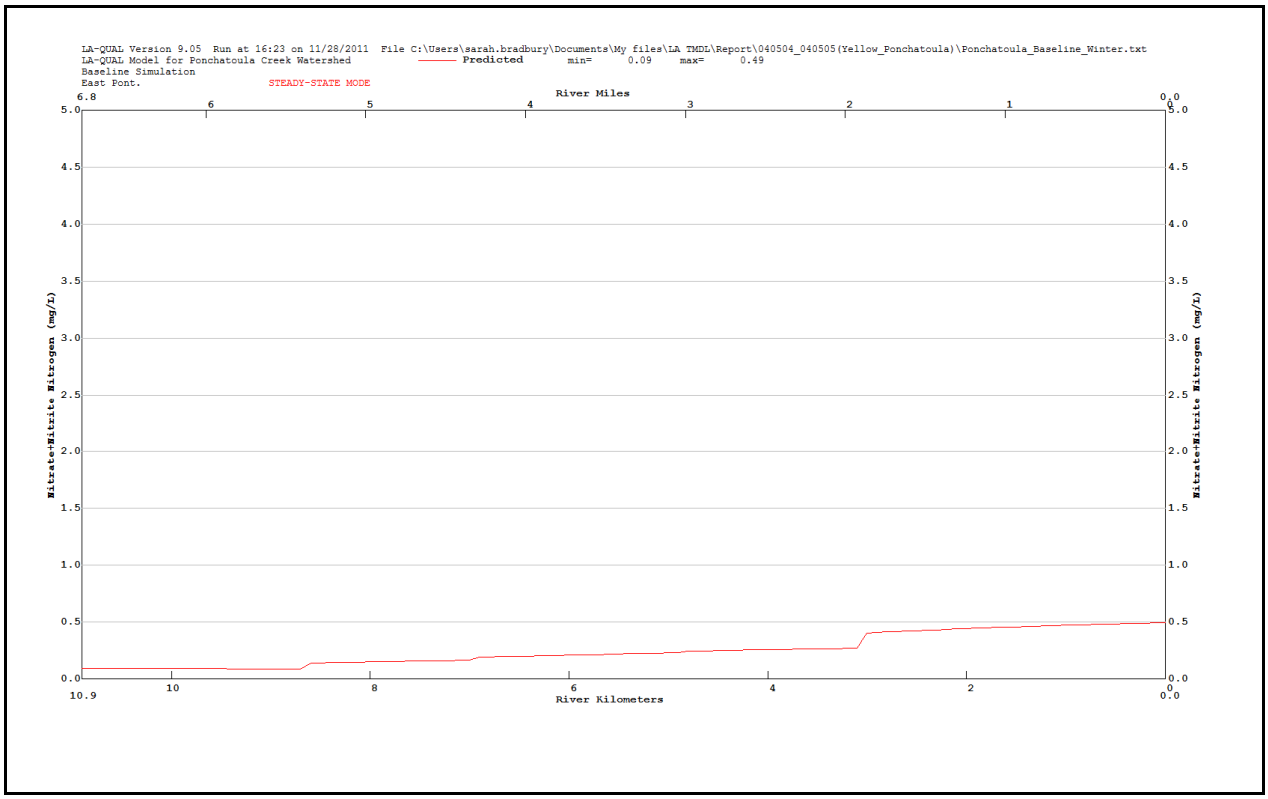


Figure J-20. Winter nitrate+nitrite baseline results for East Ponchatoula Creek in subsegment 040505.

# APPENDIX K:
# TMDL Water Quality Plots

## FIGURES


Figure K-1. Summer DO TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-1
Figure K-2. Summer $CBOD_u$ TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-1
Figure K-3. Summer ammonia TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-2
Figure K-4. Summer organic nitrogen TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-2
Figure K-5. Summer nitrate+nitrite TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-3
Figure K-6. Summer temperature TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-3
Figure K-7. Summer DO TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-4
Figure K-8. Summer $CBOD_u$ TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-4
Figure K-9. Summer ammonia TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-5
Figure K-10. Summer organic nitrogen TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-5
Figure K-11. Summer nitrate+nitrite TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-6
Figure K-12. Summer temperature TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-6
Figure K-13. Winter DO TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-7
Figure K-14. Winter $CBOD_u$ TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-7
Figure K-15. Winter ammonia TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-8
Figure K-16. Winter organic nitrogen TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-8
Figure K-17. Winter nitrate+nitrite TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-9
Figure K-18. Winter temperature TMDL results for Ponchatoula Creek in subsegment 040505. ..... K-9
Figure K-19. Winter DO TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-10
Figure K-20. Winter $CBOD_u$ TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-10
Figure K-21. Winter ammonia TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-11
Figure K-22. Winter organic nitrogen TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-11
Figure K-23. Winter nitrate+nitrite TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-12
Figure K-24. Winter temperature TMDL results for East Ponchatoula Creek in subsegment 040505. ..... K-12

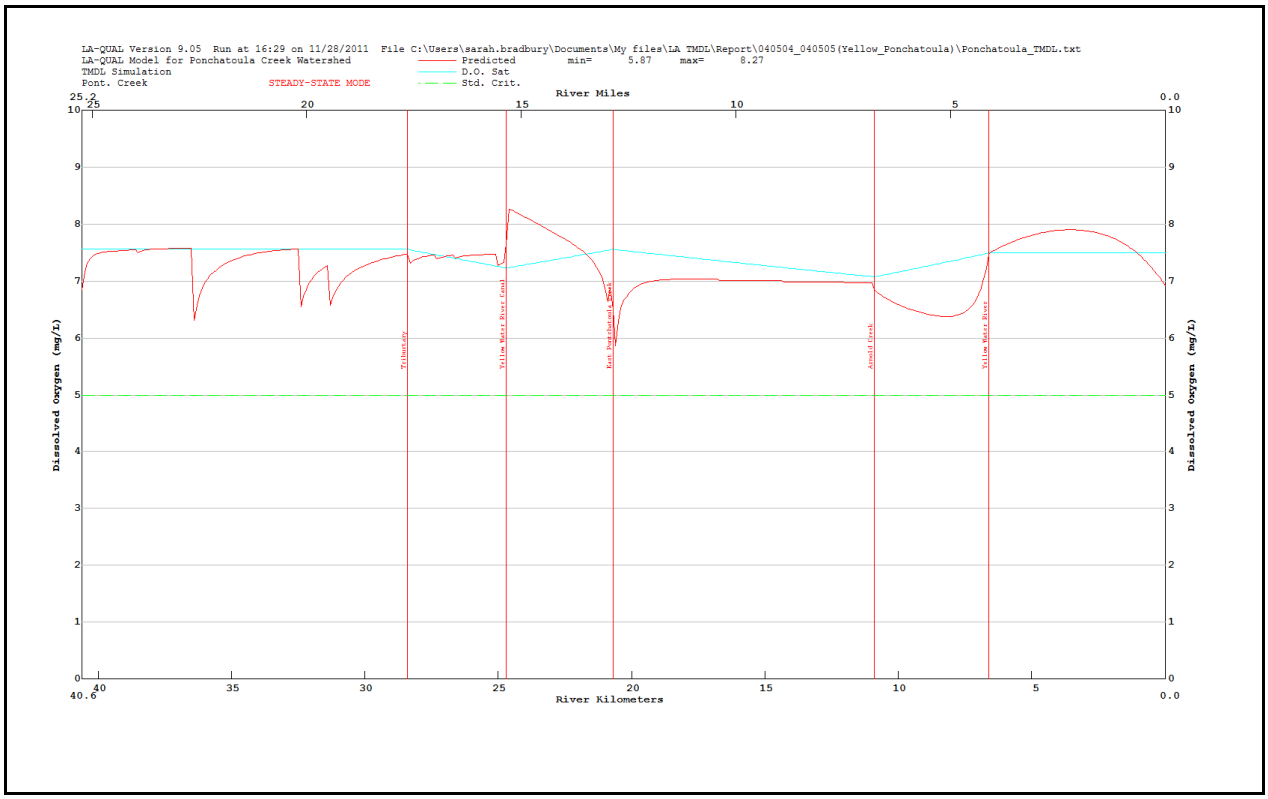


**Figure K-1. Summer DO TMDL results for Ponchatoula Creek in subsegment 040505.**

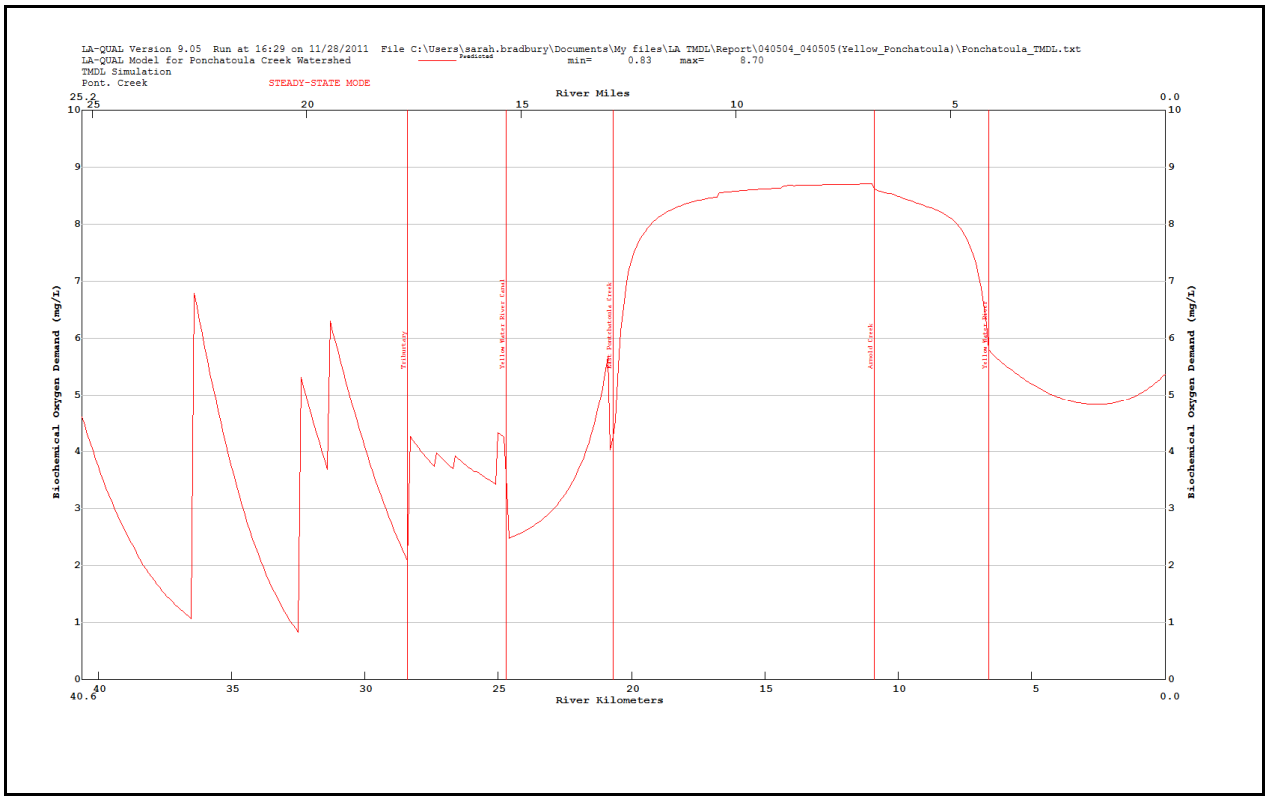


**Figure K-2. Summer $CBOD_u$ TMDL results for Ponchatoula Creek in subsegment 040505.**

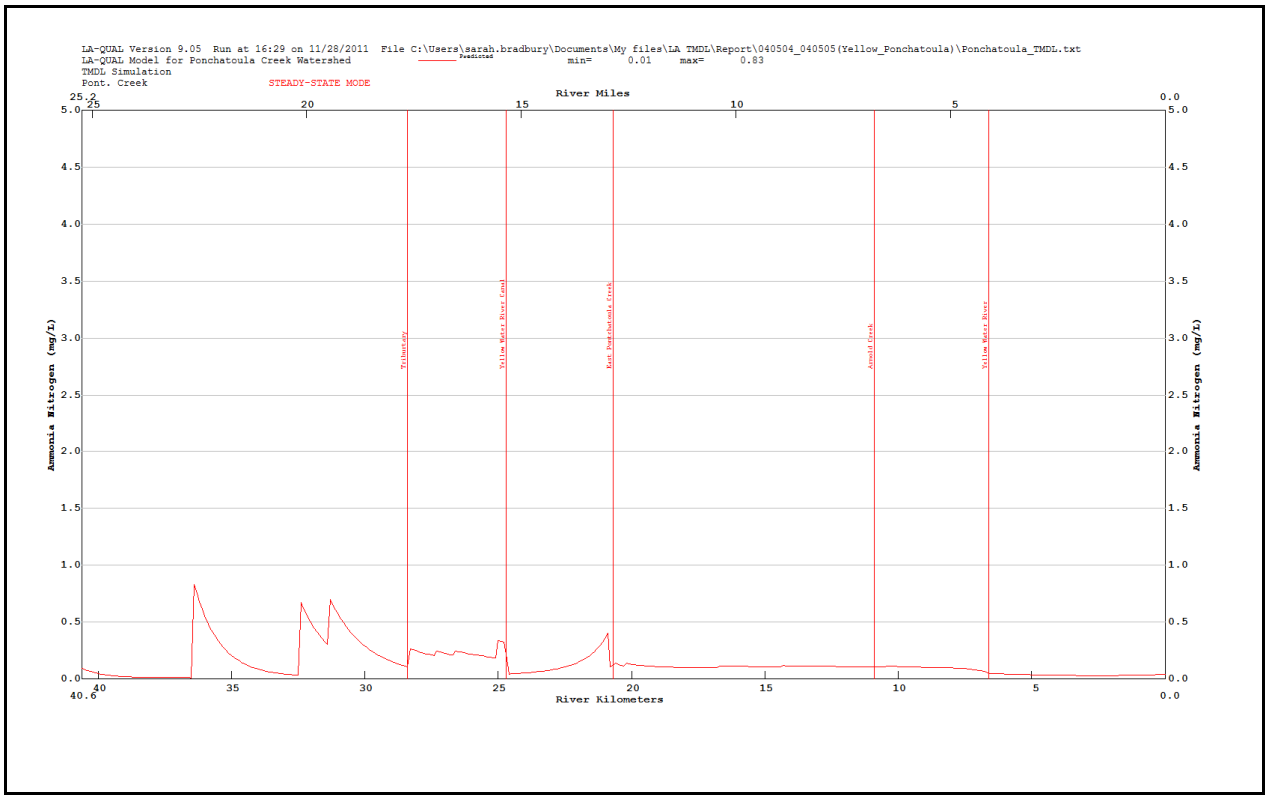


**Figure K-3. Summer ammonia TMDL results for Ponchatoula Creek in subsegment 040505.**

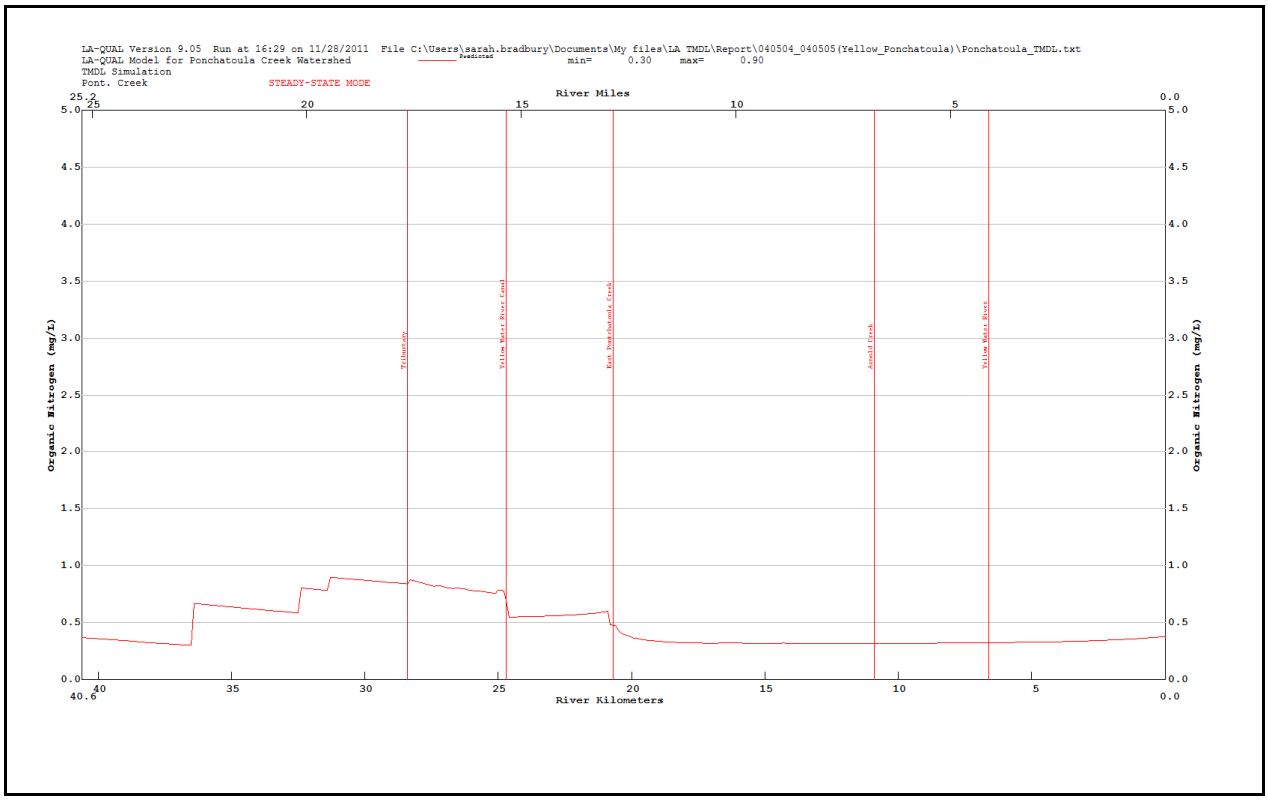


**Figure K-4. Summer organic nitrogen TMDL results for Ponchatoula Creek in subsegment 040505.**

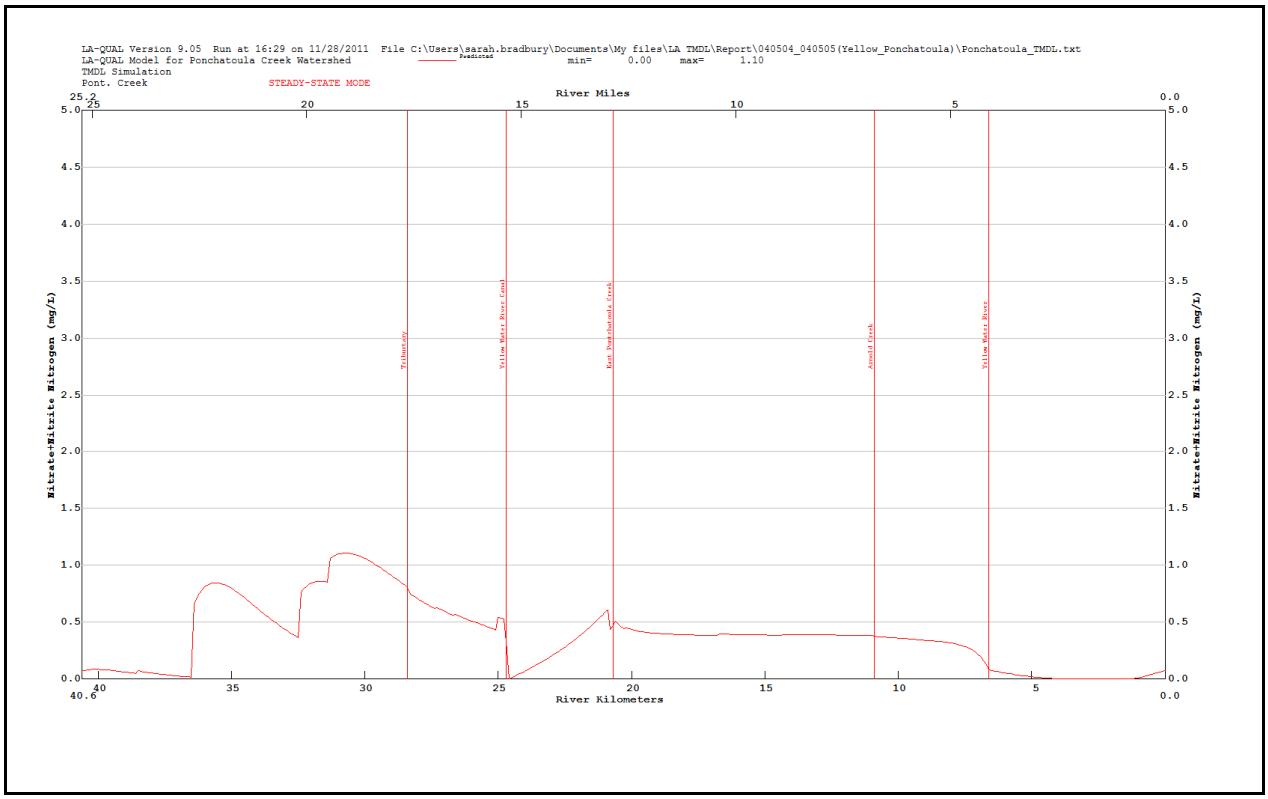


Figure K-5. Summer nitrate+nitrite TMDL results for Ponchatoula Creek in subsegment 040505.

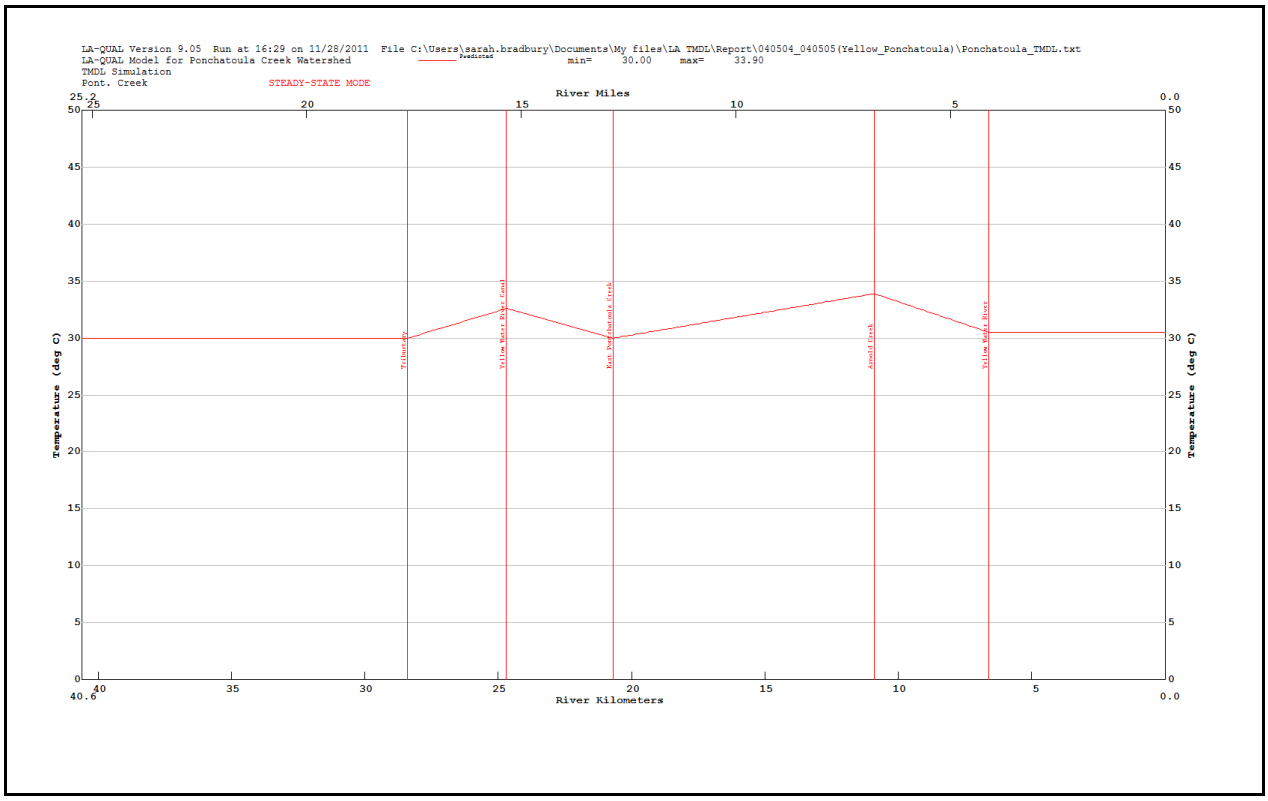


Figure K-6. Summer temperature TMDL results for Ponchatoula Creek in subsegment 040505.

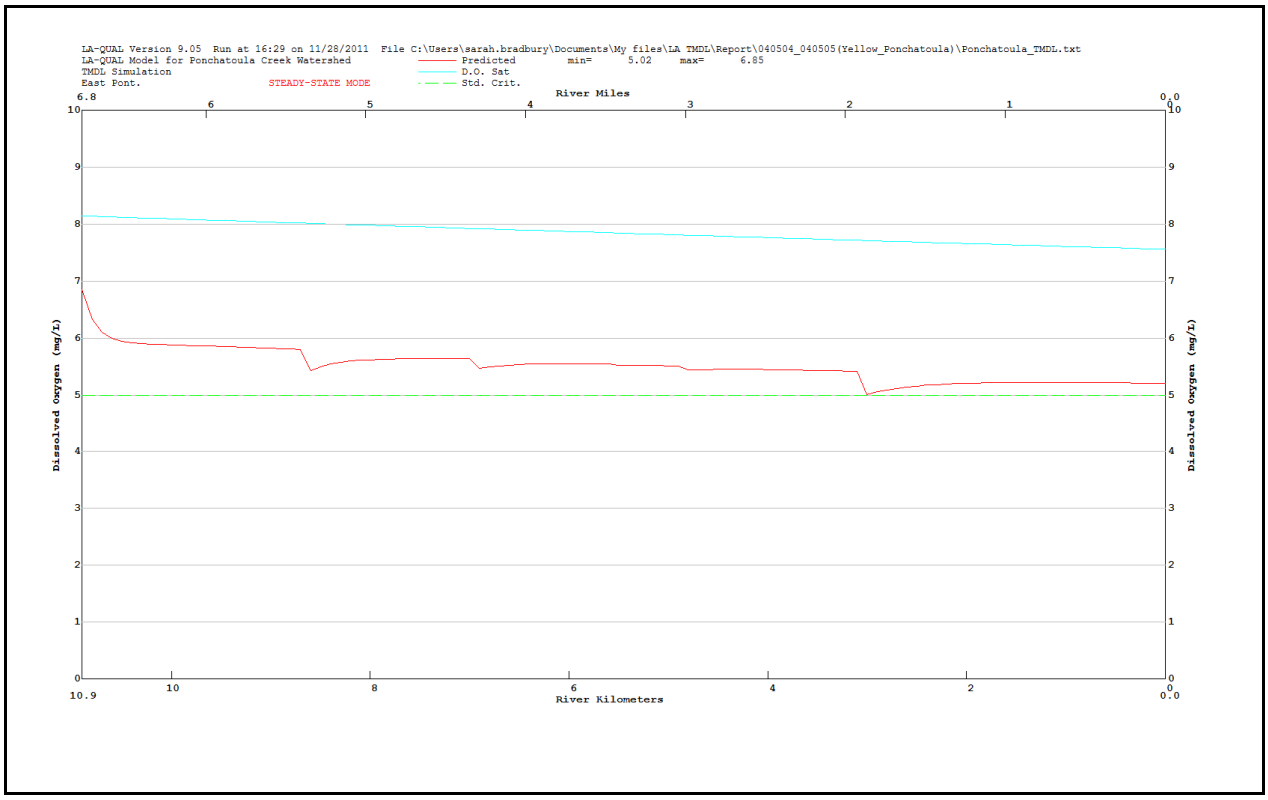


**Figure K-7. Summer DO TMDL results for East Ponchatoula Creek in subsegment 040505.**

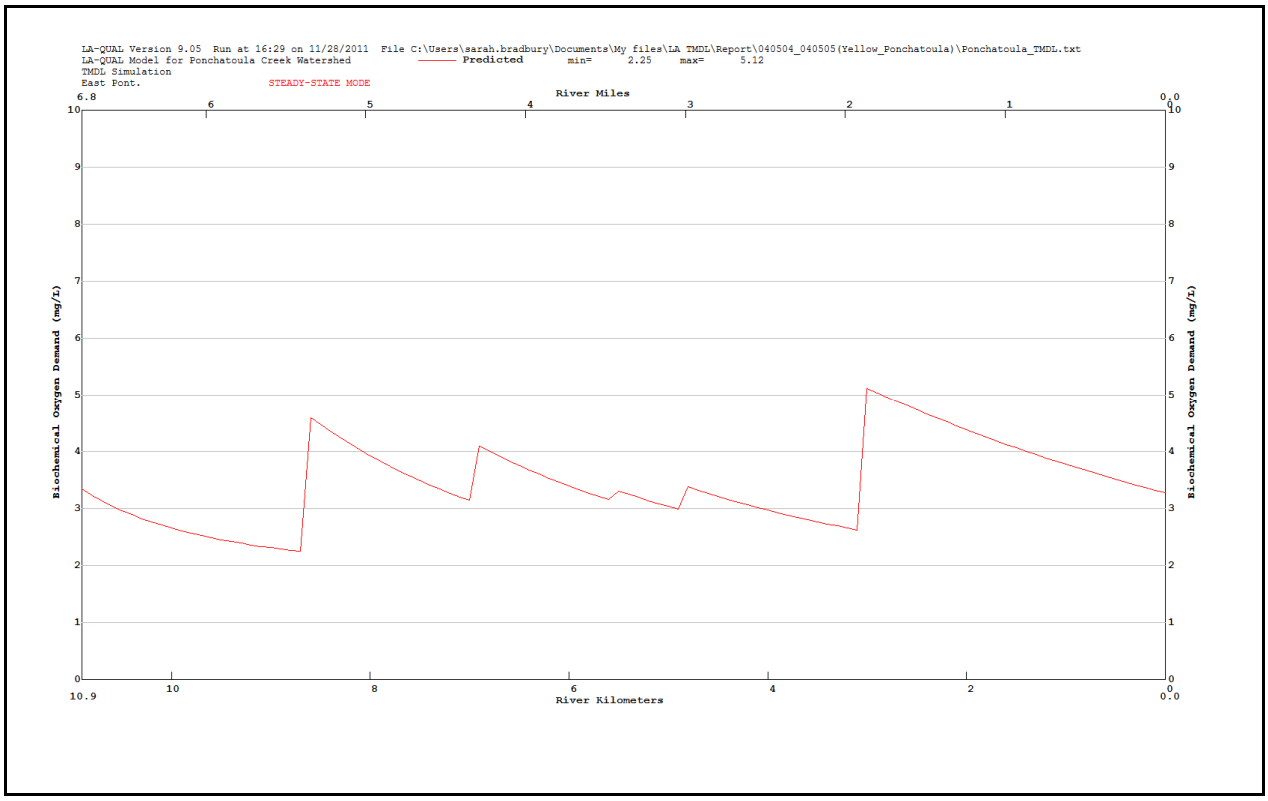


**Figure K-8. Summer $CBOD_u$ TMDL results for East Ponchatoula Creek in subsegment 040505.**

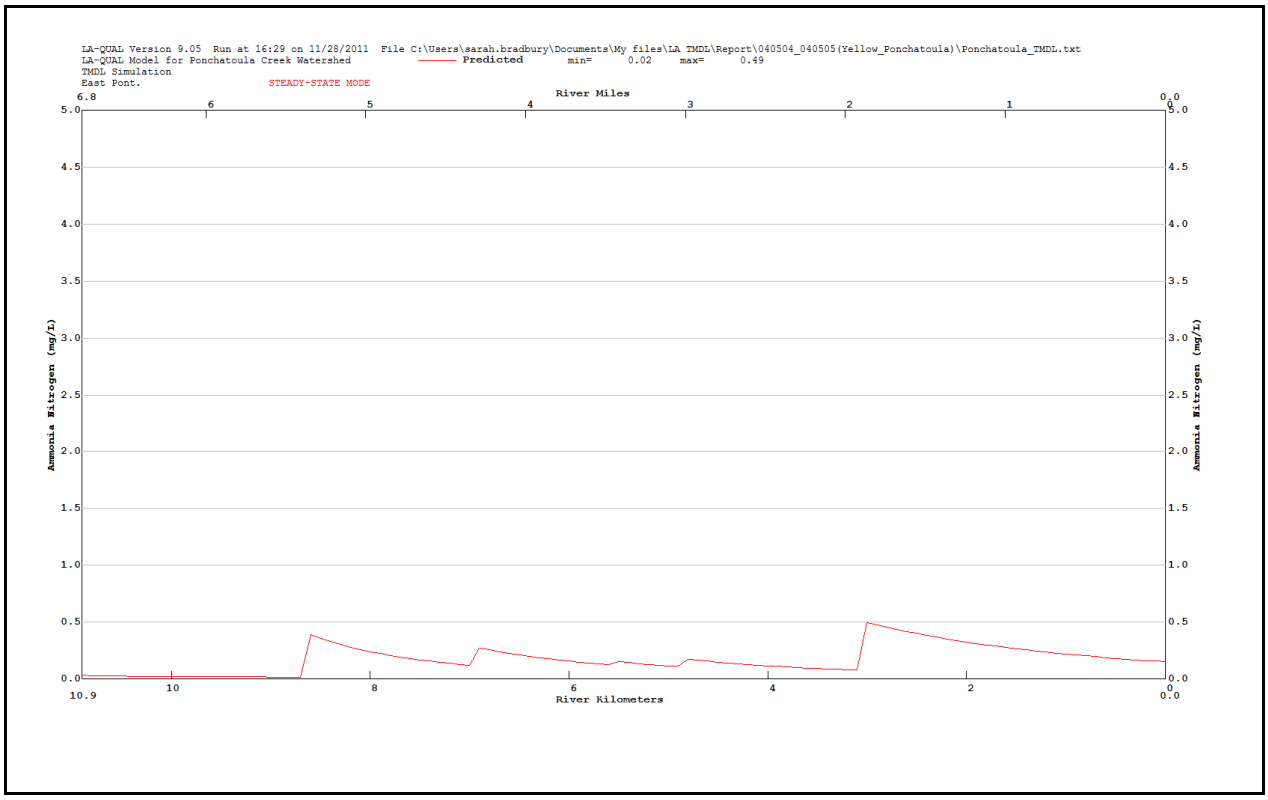


Figure K-9. Summer ammonia TMDL results for East Ponchatoula Creek in subsegment 040505.

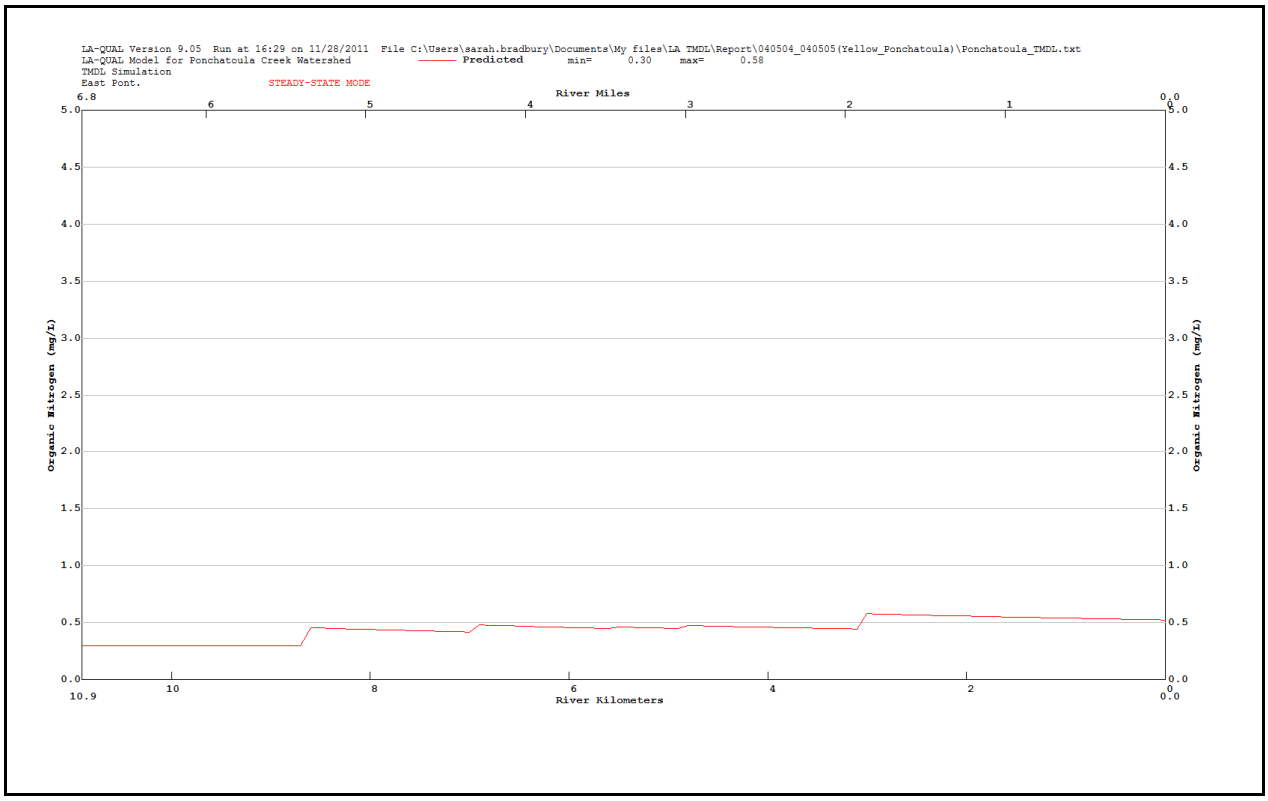


Figure K-10. Summer organic nitrogen TMDL results for East Ponchatoula Creek in subsegment 040505.

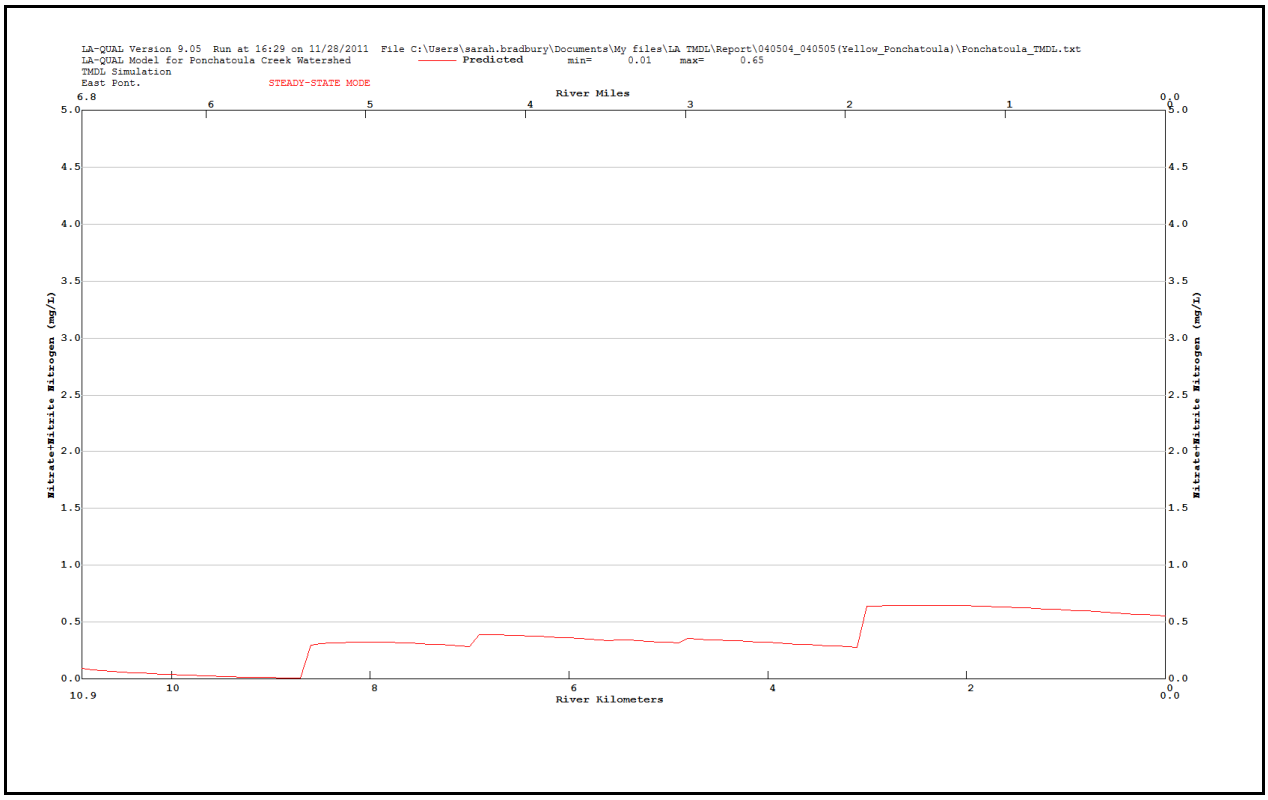


Figure K-11. Summer nitrate+nitrite TMDL results for East Ponchatoula Creek in subsegment 040505.

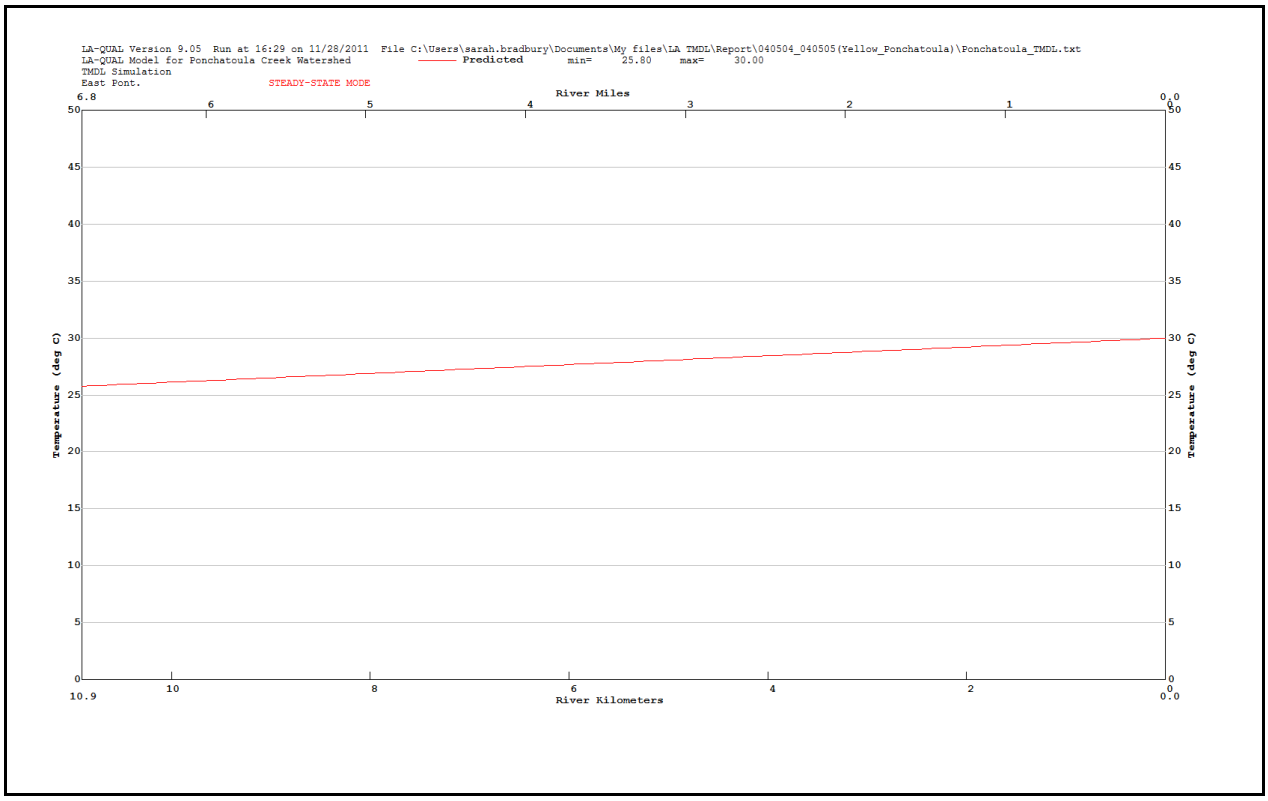


Figure K-12. Summer temperature TMDL results for East Ponchatoula Creek in subsegment 040505.

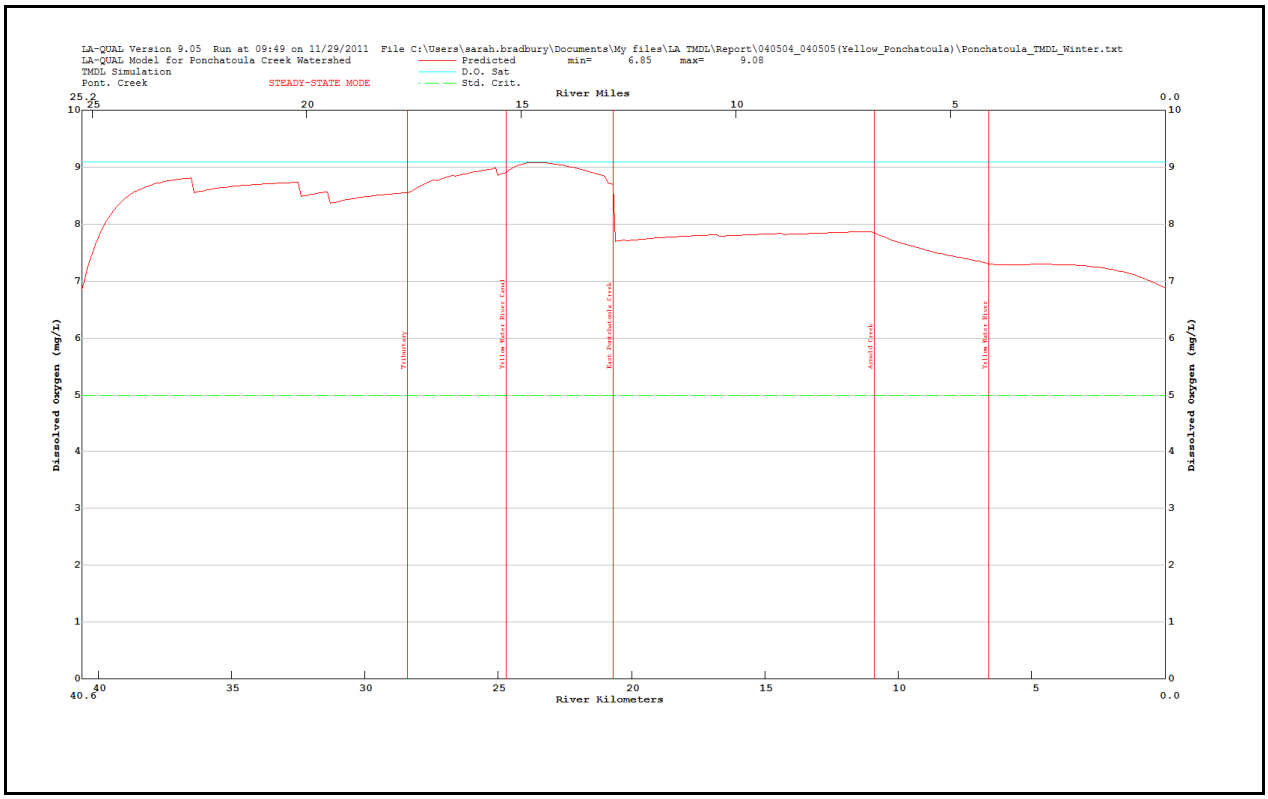


**Figure K-13. Winter DO TMDL results for Ponchatoula Creek in subsegment 040505.**

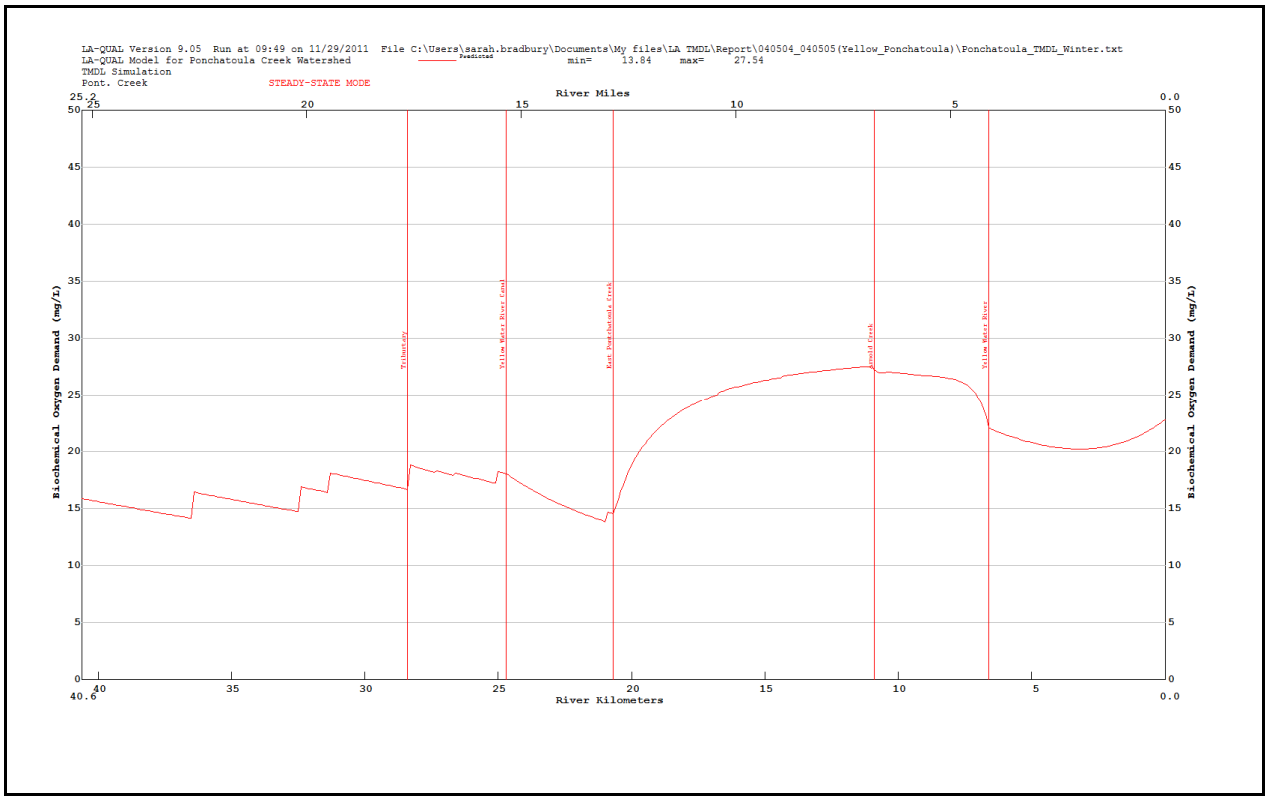


**Figure K-14. Winter $CBOD_u$ TMDL results for Ponchatoula Creek in subsegment 040505.**

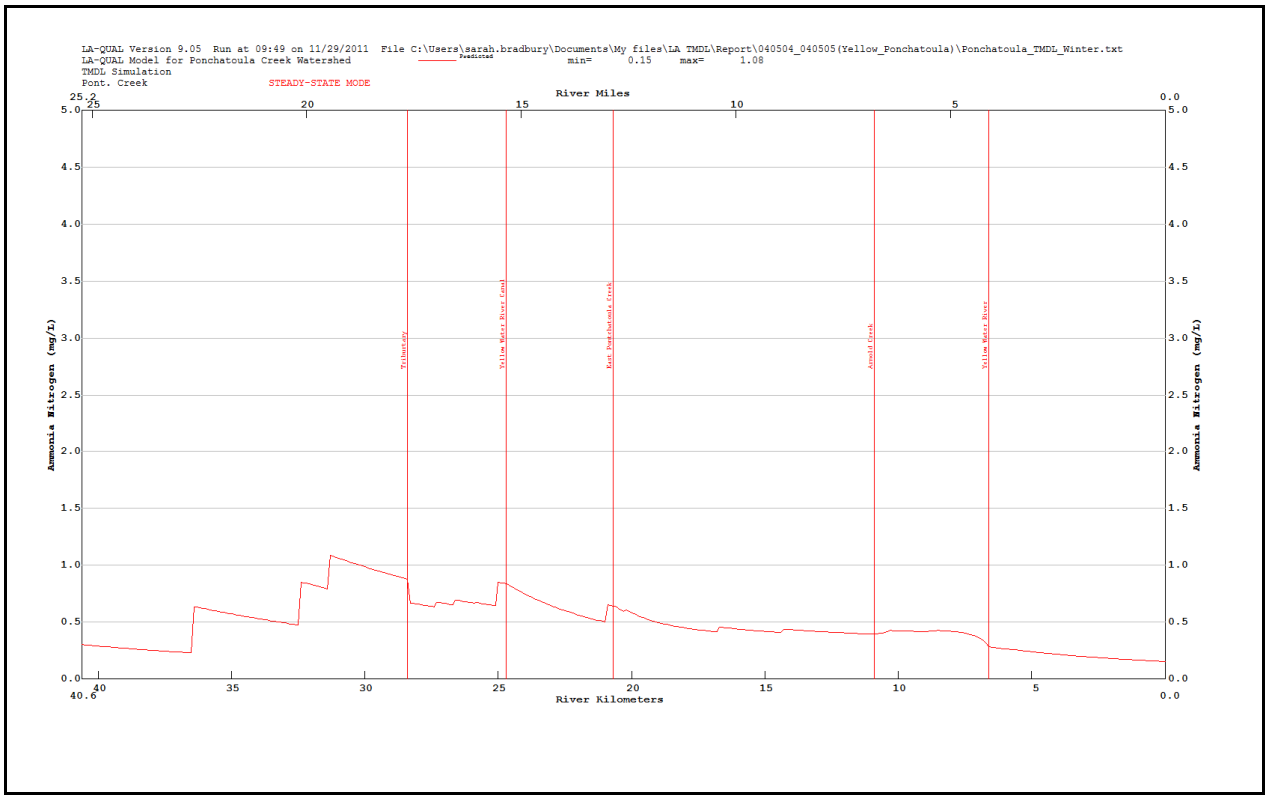


Figure K-15. Winter ammonia TMDL results for Ponchatoula Creek in subsegment 040505.

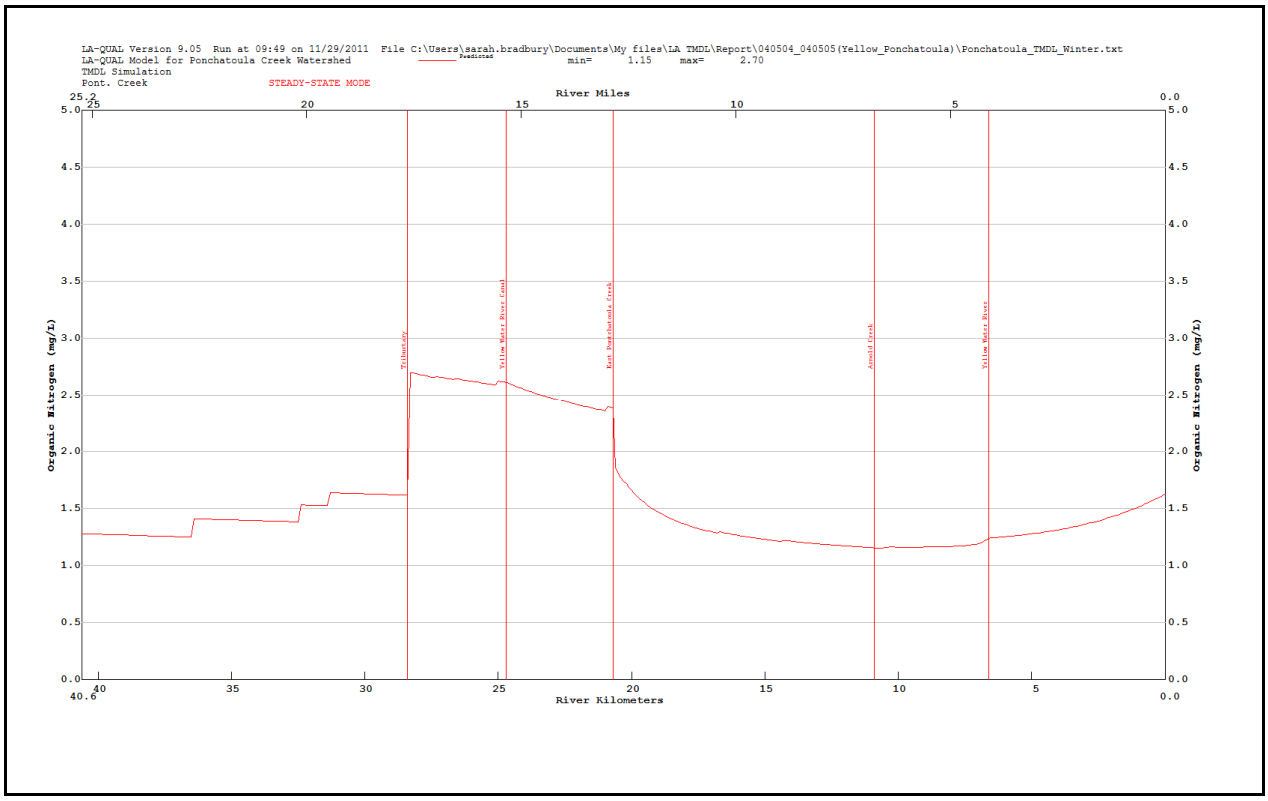


Figure K-16. Winter organic nitrogen TMDL results for Ponchatoula Creek in subsegment 040505.

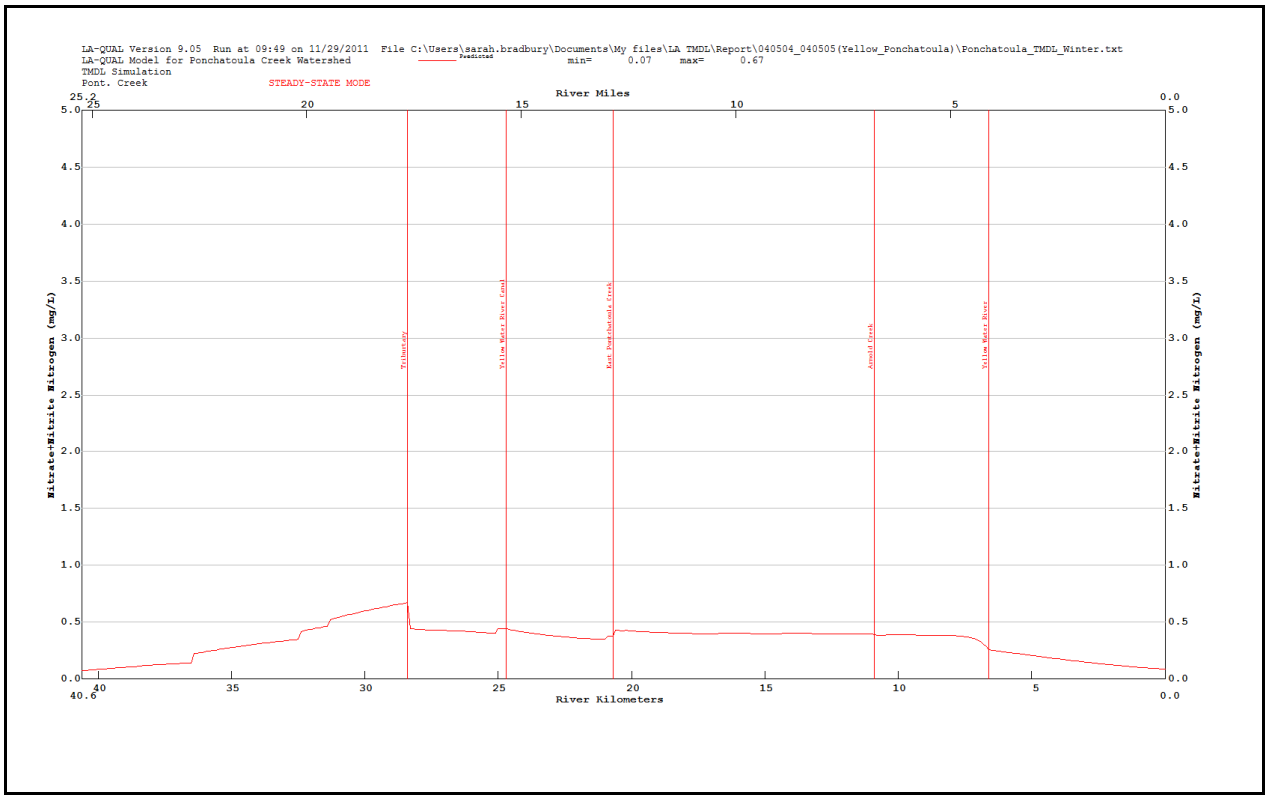


Figure K-17. Winter nitrate+nitrite TMDL results for Ponchatoula Creek in subsegment 040505.

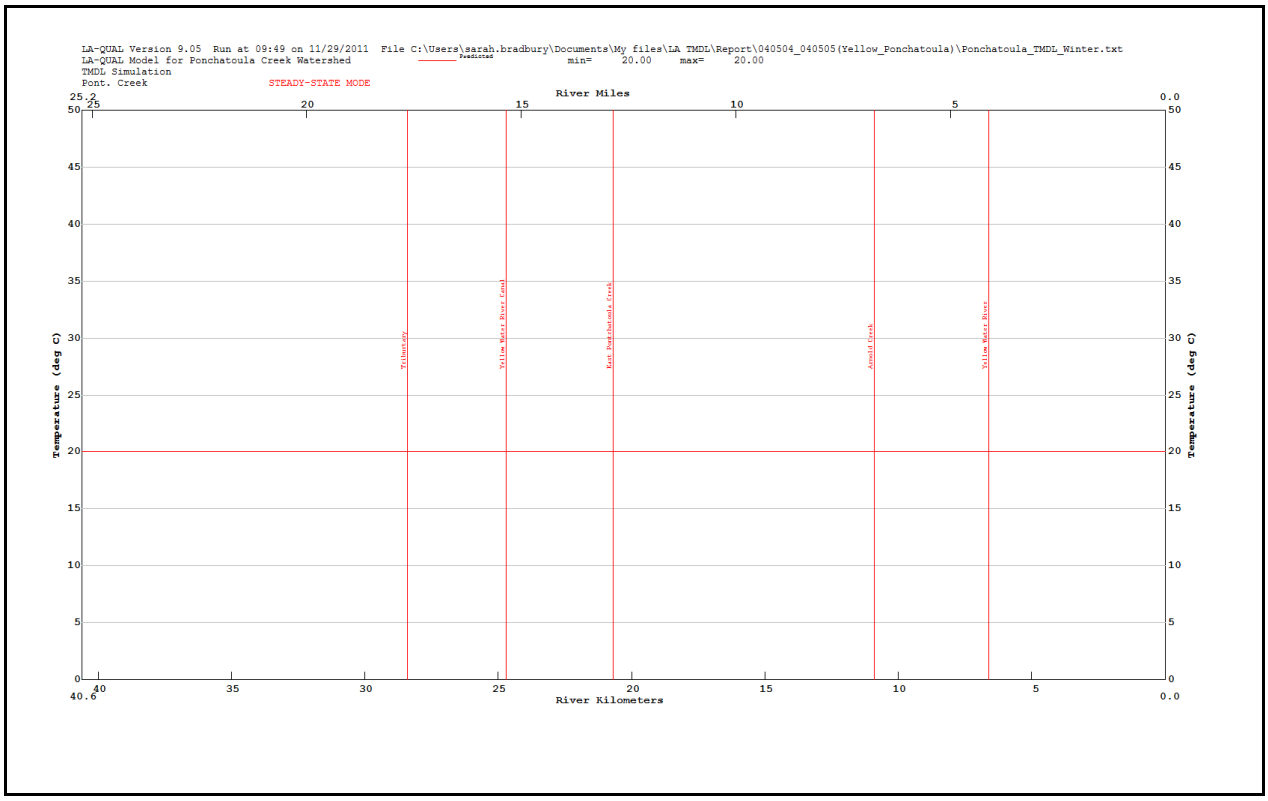


Figure K-18. Winter temperature TMDL results for Ponchatoula Creek in subsegment 040505.

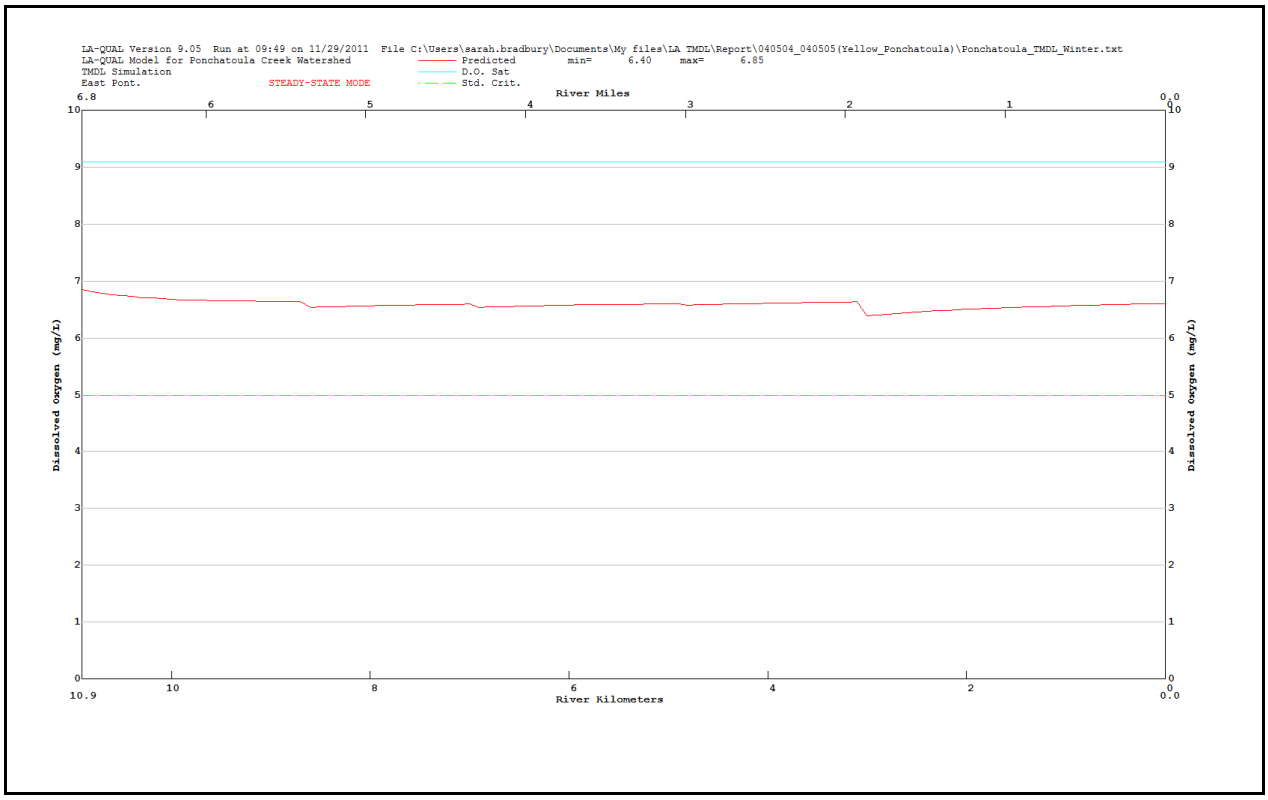


**Figure K-19. Winter DO TMDL results for East Ponchatoula Creek in subsegment 040505.**

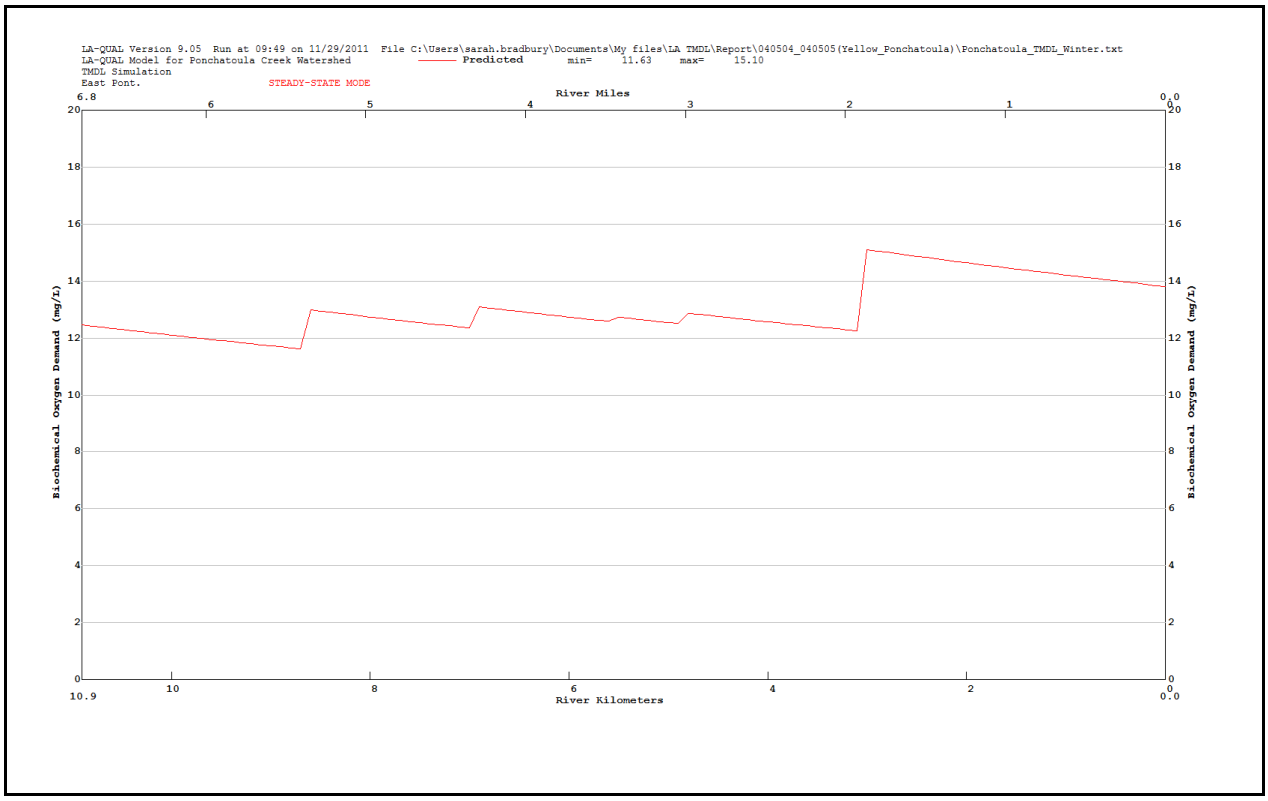


**Figure K-20. Winter $CBOD_u$ TMDL results for East Ponchatoula Creek in subsegment 040505.**

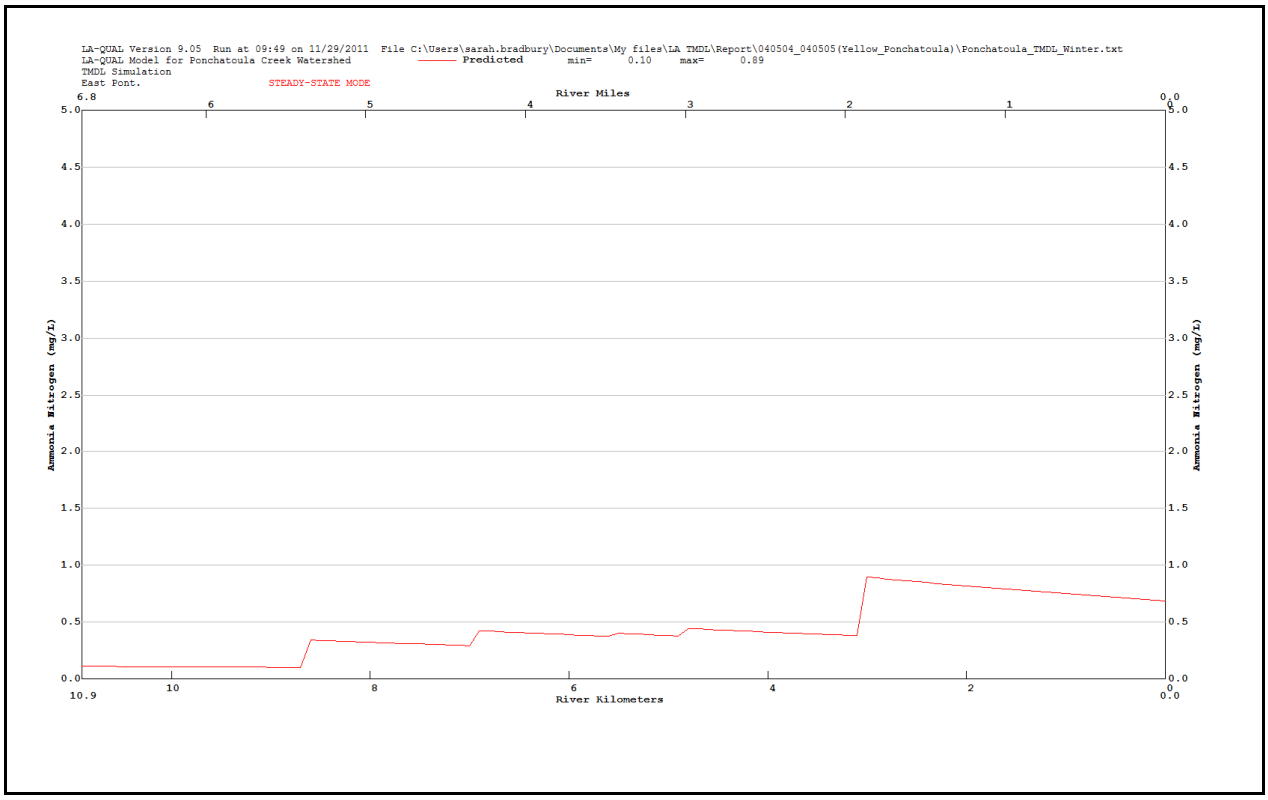


Figure K-21. Winter ammonia TMDL results for East Ponchatoula Creek in subsegment 040505.

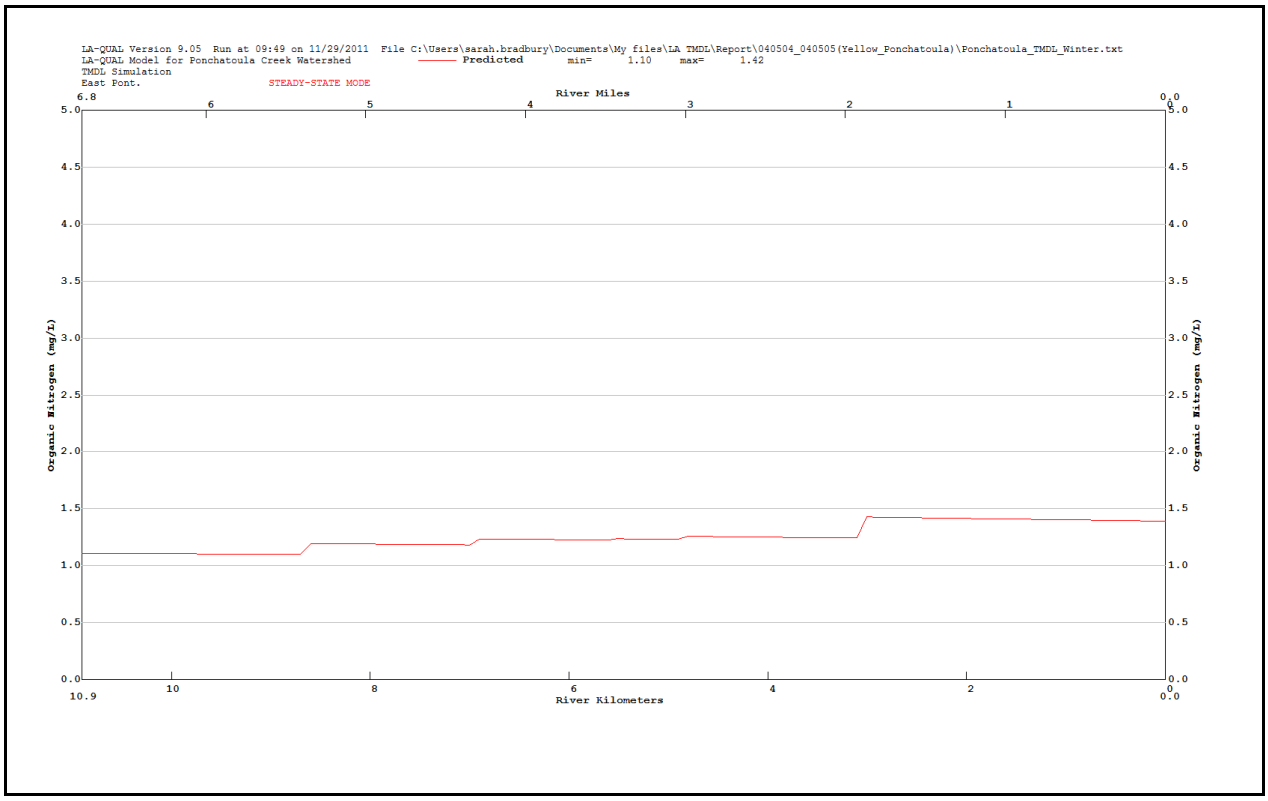


Figure K-22. Winter organic nitrogen TMDL results for East Ponchatoula Creek in subsegment 040505.

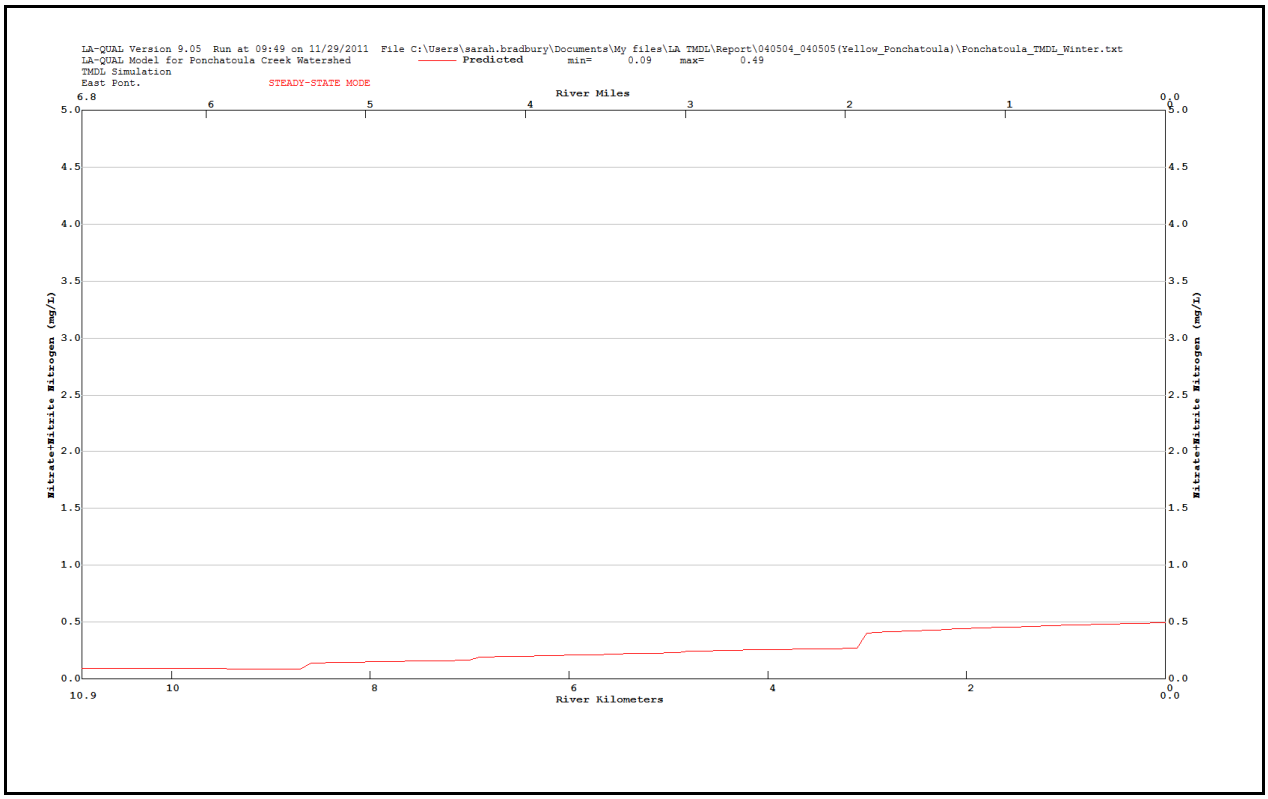


Figure K-23. Winter nitrate+nitrite TMDL results for East Ponchatoula Creek in subsegment 040505.

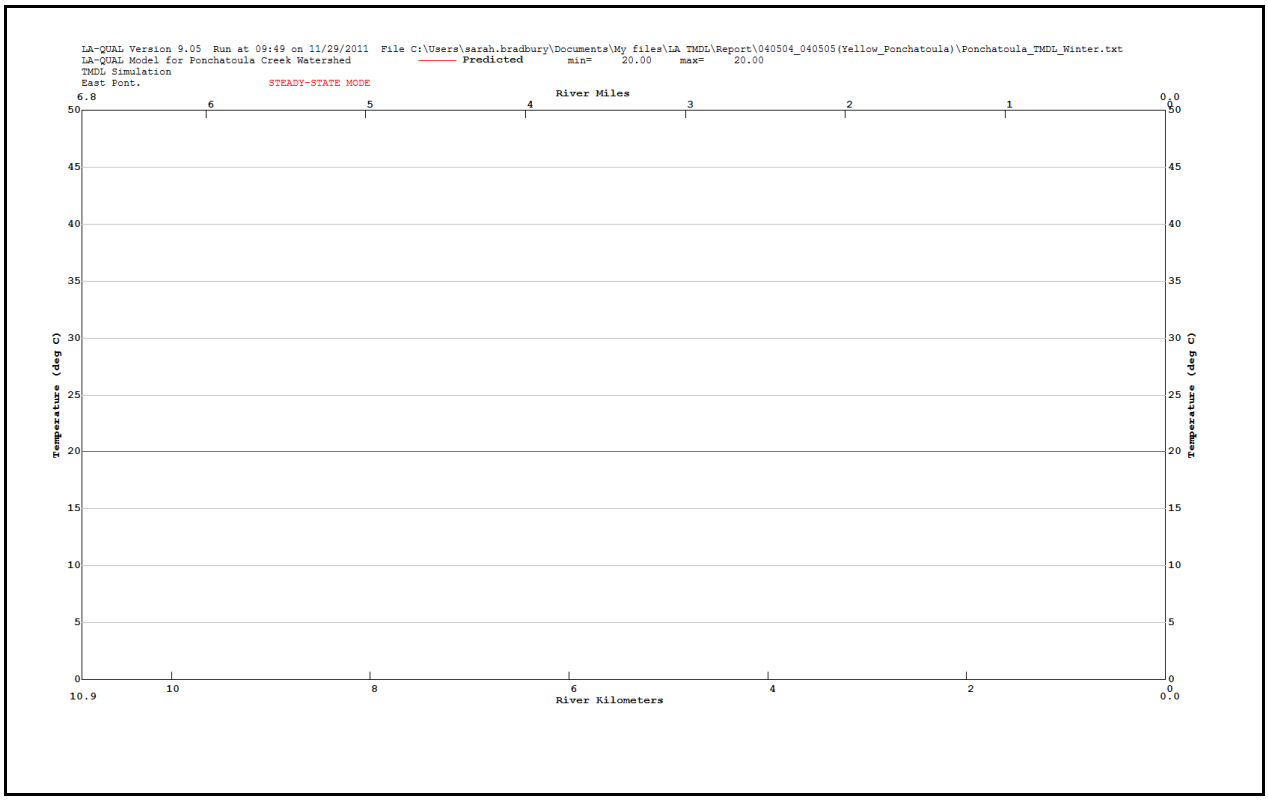


Figure K-24. Winter temperature TMDL results for East Ponchatoula Creek in subsegment 040505.