APPENDIX A:
NPDES Permitted Facilities

TABLES

Table A-1. Active point source permit information A-1
Table A-2. Terminated point source permits A-8

Table A-1. Active point source permit information

AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
9385	LAG110072	001	process wastewater and area stormwater	Tycer Ready Mix #2	Ready-Mixed Concrete	03/14/14	Unnamed ditch to Selsers Creek
9385	LAG110072	004	nonprocess area stormwater from cement, concrete, and asphalt facilities	Tycer Ready Mix #2	Ready-Mixed Concrete	03/14/14	Unnamed ditch to Selsers Creek
2301	LAR05M071		MSGP	Waterbury Companies Inc - Independence Facility	Chemicals And Allied Products	04/30/11	Tangipahoa River
5962	LAG830224	001	wastewater associated with cleanup of PUST site	Hammond Stopping Center	Auto dealers and gasoline service stations	02/28/13	local drainage to Ponchatoula Creek
11289	LAR05N245		MSGP stormwater	Dresser Inc - TK Valve	General Agency Interest	06/23/11	Local drainage-Ponchatoula Creek
13680	LAG830007	001	Treated carwash wastewater	Circle K #9732	Auto dealers and gasoline service stations	11/20/14	Storm sewer-Ponchatoula Creek-Ponchatoula River-Lake Maurepas
18069	LAG540715	001	treated sanitary wastewater	Tangipahoa Parish Sewer District #1 - Sal-Mar-Deb Subdivision	General Agency Interest	06/30/13	Ponchatoula Creek
18245	LAG540278	001	treated sanitary wastewater	Tangipahoa Parish Sewage District #1 - Cypress Creek Estates	General Agency Interest	06/30/13	Ditch to Ponchatoula Creek to Lake Ponchatrain
18872	LAG570205	001	treated sanitary wastewater	Tickfaw Village of - WWTP	Municipal Agency	04/30/14	Ponchatoula Creek
19037	LAG530215	001	Treated sanitary wastewater	Trafton Academy	Educational Services	11/30/12	Unnamed ditch-Ponchatoula Creek-Natalbany River-Tickfaw River
24512	LAG530330	001	treated sanitary wastewater	Lamp Environmental Industries Inc	Services, not elsewhere classified	11/30/12	HWY 190 Ditch-Ponchatoula Creek
24857	LAG750795	001	exterior vehicle and equipment wash wastewater	LA DOTD - District #62 Maintenance Unit	State Agency	03/14/10	ditch to Ponchatoula Creek
24857	LAR05N204	001	exterior vehicle and equipment wash wastewater	LA DOTD - District #62 Maintenance Unit	State Agency	2011	ditch to Ponchatoula Creek
26591	LAG470085	001	treated washrack wastewater and repair shop floor washwater	Supreme Domestics LLC	Auto dealers and gasoline service stations	08/31/14	Ponchatoula Creek
32973	LAG480025	001	treated sanitary wastewater	Taylortec Inc - Hammond	Rubber And Miscellaneous Plastics Products	07/31/11	
35536	LAG533109	001	treated sanitary wastewater	Hammond Animal Hospital	Agriculture Services	11/30/12	unnamed ditch into Yellow Water Creek to Ponchatoula Creek
38155	LAG570068	001		Tangipahoa Parish Sewerage District #1 - Happywoods STP	Electric, Gas, And Sanitary Services	09/30/02	Pontchartrain Creek
40969	LAG540223	001	Treated sanitary wastewater	Catfish Charlie Restaurant	General Agency Interest	06/30/13	Unnamed ditches-Ponchatoula Creek
41599	LAG750157	001	Treated car wash wastewater	Ge Ge Car Wash	Automotive Repair, Services, And Parking	06/14/14	Local drainage-Ponchatoula Creek

AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
41760	LAG540347	001	treated sanitary wastewater	Mo-Dad Utilities LLC - High Hat Subdivision	Real Estate	06/30/13	railroad ditch to Ponchatoula Creek to Natalbany River
41900	LAG540809	001	treated sanitary wastewater	Interstate Trailer Park	General Agency Interest	06/30/13	East Yellow Water Creek
42309	LAG560022	001	treated sanitary wastewater	Lionsway LLC - Lions Way Apartments	Electric, Gas, And Sanitary Services	05/31/14	Yellow Water River Canal to Yellow Water River to Ponchatoula Creek
42309	LAG560022	002	treated sanitary wastewater	Lionsway LLC - Lions Way Apartments	Electric, Gas, And Sanitary Services	05/31/14	Yellow Water River Canal to Yellow Water River to Ponchatoula Creek
42690	LAG540531	001	Treated sanitary wastewater	O'Neill Mobile Home Park	General Agency Interest	06/30/13	Ponchatoula Creek
42760	LAG540936	001	Treated sanitary wastewater	Palm's Park	General Agency Interest	06/30/13	Unnamed drainage ditch-Ponchatoula Creek
43078	LAG540617	001	treated sanitary wastewater	Tangipahoa Parish Sewerage District #1 - Roe Estates	Municipal Agency	06/30/13	Unnamed Canal-Ponchatoula Creek
43331	LAG540662	001	treated sanitary wastewater	Southwood Ridge Utilities Inc - Southwood Ridge Estates	General Agency Interest	06/30/13	Ponchatoula Cr Can - Ponchatoula Cr
43467	LA0106208	001	Process wastewater from meat processing activities, equipment washdown, and treated sanitary wastewater	Tangi Meats LLC	Food And Kindred Products	04/30/15	Unnamed ditch-Ponchatoula Creek
43471	LAG530545	001	treated sanitary wastewater	CM Fagan Special Service Center	General Agency Interest	11/30/12	Ditch-Ponchatoula Creek
43479	LAG540711	001	Treated sanitary wastewater	Natalbany Middle School	General Agency Interest	06/30/13	Unnamed ditch-Ponchatoula Creek
43485	LAG540869	001	treated sanitary wastewater	Tangipahoa Parish Sewerage District #1 - Windsor Place Subdivision	General Agency Interest	06/30/13	East Ponchatoula Creek
43591	LAG530798	001	Treated sanitary wastewater	Cucchiara Trading Co - I-12 Commercial Park	General Agency Interest	11/30/12	Local drainage-Ponchatoula Creek
43813	LAG530002	001	treated sanitary wastewater	H&D Investments Inc	Electric, Gas, And Sanitary Services	11/30/12	Ponchatoula Creek-Natalbany River
51987	LAG750393	001	exterior vehicle and equipment washwater	Fast Lane Car Wash & Xpress Lube	Automotive Repair, Services, And Parking	03/14/14	local drainage to Yellow Water River
51988	LAG750398	001	Equipment washwater	Star Equipment	General Agency Interest	06/14/14	Unnamed conveyances-Ponchatoula Creek
73976	LAG531396	001	Treated sanitary wastewater	Jiffy Mart #7	Auto dealers and gasoline service stations	11/30/12	Discharge pipe-Yellow Water River
75500	LAG531261	001	treated sanitary wastewater	Minnie's Quickstop # 2	Auto dealers and gasoline service stations	11/30/12	local drainage to Ponchatoula Creek
76298	LAG531846	001	treated sanitary wastewater	Best Stop Quick Mart #7	Food Stores	11/30/12	local drainage to East Ponchatoula Creek

AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
76495	LAG750159	001	treated car wash wastewater discharge	Deluxe Shell	Auto dealers and gasoline service stations	03/14/14	Ditch-Ponchatoula Creek-Natalbany R
86144	LAG531572	001	Treated sanitary wastewater	Green Meadows Apartments	Real Estate	11/30/12	Local drainage-Yellow Water River-Ponchatoula River
86145	LAG531185	001	treated sanitary wastewater	Lamonica Apartments	Real Estate	11/30/12	Yellow Water River
86148	LAG541019	001	treated sanitary wastewater	Phil's Mobile Home Park	Electric, Gas, And Sanitary Services	06/30/13	Parish ditch to East Ponchatoula Creek, to Ponchatoula Creek to Natalbany River
86528	LAG531109	001	treated sanitary wastewater	Millard Hutchinson Apartments	Hotels, Camps, And Other Lodging Places	11/30/12	Confined Unnamed Ditch
86945	LAG531552	001	treated sanitary wastewater	T Brady Properties LLC	Real Estate	11/30/12	unnamed slough into Yellow Water River to Ponchatoula Creek
86947	LAG531227	001	Treated sanitary wastewater	Serenity Mobile Home Park	Real Estate	11/30/12	Unnamed ditch-unnamed canal-Ponchatoula Creek
86948	LAG541063	001	treated sanitary wastewater	Superior Mobile Home Park	Real Estate	06/30/13	parish ditch to unnamed canal to Penchatoula Creek
86949	LAG532130	001	treated sanitary wastewater	Monteleone Mobile Home Park	Real Estate	11/30/12	parish drainage ditch to Ponchatoula Creek
86953	LAG541608	001	treated sanitary wastewater	Pine Crest Apartments - WWTP	Real Estate	06/30/13	unnamed ditch to Ponchatoula Creek to Yellow Water River
86953	LAG541608	002	treated sanitary wastewater	Pine Crest Apartments - WWTP	Real Estate	06/30/13	unnamed ditch to Ponchatoula Creek to Yellow Water River
86965	LAG531467	001	treated sanitary wastewater	Mary's Apartments	Real Estate	11/30/12	local drainage to Ponchatoula Creek to Ponchatoula River to Tickfaw River
86969	LAU009331		treated sanitary wastewater	Eagle Financial Services - Trelyn Court	Business Services		parish ditch to parish lateral to unnamed creek to Yellow Water
86970	LAG531260	001	treated sanitary wastewater	ET Apartments	Real Estate	11/30/12	parish ditch to parish lateral to unnamed canal to Yellow Water River
87628	LAG470082	001	Treated washrack wastewater	Kent Mitchell Bus Sales & Service LLC	Auto dealers and gasoline service stations	10/15/14	Local drainage-Ponchatoula Creek
87628	LAG470082	002	Treated sanitary wastewater	Kent Mitchell Bus Sales & Service LLC	Auto dealers and gasoline service stations	10/15/14	Local drainage-Ponchatoula Creek
91709	LAG570365	001	treated sanitary wastewater	Curtis Environmental Utilities Inc - Hidden Pines STP	Electric, Gas, And Sanitary Services	04/30/14	local ditch to Ponchatoula Creek to Ponchatoula River
98453	LAG750417	001	treated exterior vehicle wash wastewater	Louisiana Machinery Co LLC	Automotive Repair, Services, And Parking	03/14/14	local drainage to Arnold's Creek
98453	LAG750417	002	treated sanitary wastewater	Louisiana Machinery Co LLC	Automotive Repair, Services, And Parking	03/14/14	local drainage to Arnold's Creek

AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
98458	LAG541118	001	treated sanitary wastewater	Woodland Estates Mobile Home Park	Real Estate	06/30/13	unnamed canal to Ponchatoula Creek
103859	LAG480373	001	exterior vehicle and equipment washwater	AAA Rent All	Business Services	07/31/06	local drainage to Ponchatoula Creek
104053	LAR041030	001	MS4	Hammond City of - Municipal Separate Storm Sewer System MS4	Nonclassifiable Establishments	12/04/12	Ponchatoula Creek to Selsers Creek to Skulls Creek to Yellow Water River
105978	LAG541119	001	treated sanitary wastewater	Wilow Villas Subdivision	Heavy Construction Other Than Bldg. Constr.	06/30/13	local drainage to Yellow Water River to Pontchartrain Creek to Natalbany River then into Tickfaw River
114259	LAG541346	001	Treated sanitary wastewater	Intersection Connection Mobile Home Park	Electric, Gas, And Sanitary Services	06/30/13	unnamed ditch to unnamed tributary to Ponchatoula Creek
116147	LAG541179	001	treated sanitary wastewater	Dorason Estates Mobile Home Park	Real Estate	06/30/13	unnamed canal to Ponchatoula Creek
119923	LAG541365	001	treated sanitary wastewater	Coleman Trailer Park	Electric, Gas, And Sanitary Services	06/30/13	Ponchatoula Creek
122509	LAG750485	001	exterior vehicle and equipment washwater	Miller's Insurance Agency Inc - Tiger Wash	Automotive Repair, Services, And Parking	03/14/14	drainage ditch - TANGIPAHOA RIVER
123236	LA0122424	001	treated sanitary wastewater	Lamp Environmental Industries (LEI) Inc	Lamp Environmental Industries (LEI) Inc	04/30/12	parish drainage ditch to Ponchatoula Creek
123236	LA0122424	002	equipment washwater and stormater that fall on the containment pad	Lamp Environmental Industries (LEI) Inc	Lamp Environmental Industries (LEI) Inc	04/30/12	parish drainage ditch to Ponchatoula Creek
123236	LA0122424	003	non-contact stormwater runoff	Lamp Environmental Industries (LEI) Inc	Lamp Environmental Industries (LEI) Inc	04/30/12	parish drainage ditch to Ponchatoula Creek
123656	LAG541280	001	treated sanitary wastewater	Mo-Dad Utilities LLC - The Village Subdivision	Electric, Gas, And Sanitary Services	06/30/13	Ponchatoula Creek to Ponchatoula River to Natalbany River
124487	LAG470223	001	washrack wastewater	Berryland Campers	Auto dealers and gasoline service stations	08/31/14	parish drainage to Ponchatoula Creek to Tickfaw River
124487	LAG470223	005	treated sanitary wastewater	Berryland Campers	Auto dealers and gasoline service stations	08/31/14	parish drainage to Ponchatoula Creek to Tickfaw River
124487	LAG470223	005a	treated sanitary wastewater	Berryland Campers	Auto dealers and gasoline service stations	08/31/14	parish drainage to Ponchatoula Creek to Tickfaw River
124820	LAG531729	001	treated sanitary wastewater	Bobbys Mobile Home Park - WWTP - Construction	Real Estate	11/30/12	local drainage to Ponchatoula Creek to Ponchatoula River to Tickfaw River
126596	LAG533413	001	treated sanitary wastewater	Big Wheel Boat & RV Center	Auto dealers and gasoline service stations	11/30/12	West I-55 service road drainage ditch to Yellow Water River
127157	LAG531927	001	Treated sanitary wastewater	Taste of Bavaria Bakery & Restaurant	Eating And Drinking Places	11/30/12	Unnamed swamp-Ponchatoula Creek-Yellow Water River
127326	LAG531897	001	treated sanitary wastewater	Little Red Schoolhouse LLC	Nonclassifiable Establishments	11/30/12	local drainage to Ponchatoula Creek to Ponchatoula River to Natalbany River

AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
127868	LAG531926	001	treated sanitary wastewater	Natalbany Bapist Church Inc	Electric, Gas, And Sanitary Services	11/30/12	unnamed ditch to Ponchatoula Creek
128347	LAG531856	001	Treated sanitary wastewater	Louis Kenneth Ridgel - Country Acre Apartments	Electric, Gas, And Sanitary Services	11/30/12	Local drainage-East Ponchatoula Creek-Ponchatoula Creek-Ponchatoula River
128351	LAG541386	001	treated sanitary wastewater	Louis & Stine Apartments	Hotels, Camps, And Other Lodging Places	06/30/13	local drainage to Yellow Water River to Natalbany River
128352	LAG531915	001	treated sanitary wastewater	Louis Carter Office Building	Electric, Gas, And Sanitary Services	11/30/12	unnamed ditch to Ponchatoula Creek
129656	LAG532004	001	treated sanitary wastewater	ABC Academy LLC	Nonclassifiable Establishments	11/30/12	local drainage to Ponchatoula Creek
130211	LAG541380	001	treated sanitary wastewater	First True Love World Outreach Ministries - STP	Membership Organizations	06/30/13	unnamed ditch to unnamed slough to Ponchatoula Creek
130475	LAG531908	001	Treated sanitary wastewater	Pellco Properties LLC - Italian Gardens Apartments	Electric, Gas, And Sanitary Services	11/30/12	Local parish drainage canal-Ponchatoula Creek-Yellow Water River
130513	LAG541421	001	treated sanitary wastewater	Strawberry Heights Mobile Home Park	Real Estate	06/30/13	local drainage to Ponchatoula Creek to Ponchatoula River to Tickfaw River
133373	LAG531967	001	treated sanitary wastewater	Regina Coeli Child Development Center - Regina Coeli Migrant Head Start	Social Services	11/30/12	highway ditch to loacal drainage to Ponchatoula Creek
135145	LAG541396	001	Treated sanitary wastewater	Emile J Silessi - Silessi Mobile Home Park	Real Estate	06/30/13	Unnamed ditch-Pineridge Park Creek-Ponchatoula Creek
139833	LAG532147	001	treated sanitary wastewater	Valenti Apartments	Real Estate	11/30/12	unnamed ditch to Ponchatoula Creek
139858	LAG532140	001	Treated sanitary wastewater	May's Rental Apartments	Real Estate	11/30/12	Pipe-unnamed ditch-Ponchatoula Creek-Natalbany River
139859	LAG532098	001	treated sanitary wastewater	Kinchen Rentals	Real Estate	11/30/12	unnamed ditch to East Ponchatoula Creek
140248	LAR10D574		construction stormwater	Pine Island Subdivision	Real Estate	09/30/14	Ponchatoula Creek
141225	LAG532128	001	treated sanitary wastewater	Tangipahoa Parish Council - Tangipahoa Parish Tourist Commission	Electric, Gas, And Sanitary Services	11/30/12	roadside ditch to unnamed slough to Ponchatoula River
141309	LAG541505	001	Treated sanitary wastewater	Blue Crystal Mobile Home Park Phase II	Real Estate	06/30/13	Parish drainage ditch-Ponchatoula Creek
141558	LAR10D611		construction stormwater	D R Horton Inc - The Gardens at Elmwood Park	Real Estate	09/30/14	unnamed tributary to the Ponchatoula Creek
141651	LAG541814	001	treated sanitary wastewater	Farmland Apartments	Nonclassifiable Establishments	06/30/13	roadside ditch into Ponchatoula Creek to Natalbany River
141745	LAG532175	001	treated sanitary wastewater	Wright's Rental Properties LLC	Nonclassifiable Establishments	11/30/12	local drainage to East Ponchatoula Creek to Ponchatoula Creek

AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
142184	LAG532182	001	Treated sanitary wastewater	Tall Tine Properties LLC - North Gate Apartments	Real Estate	11/30/12	Unnamed ditch-Pontchatoula Creek
150216	LAG532254	001	treated sanitary wastewater	JayJa LLC - Range Road Mobile Home Park WWTP	Real Estate	11/30/12	parish drainage ditch to Ponchatoula Creek to Tangipahoa River
152319	LAG541673	001	treated sanitary wastewater	Mo-Dad Utilities LLC - Madeline Court Subdivison	Electric, Gas, And Sanitary Services	06/30/13	unnamed drainage canal to Ponchatoula Creek
152604	LAG541736	001	treated sanitary wastewater	FJS LLC - Deluxe Plaza	Stone, Clay, Glass, And Concrete Products	06/30/13	pipe to Club Deluxe Road ditch to unnamed canal to unnamed tributary to Ponchatoula Creek
153143	LAG570435	001	treated sanitary wastewater	S&P Land Co LLC - Milan Village Subdivision WWTP	Building Construction	04/30/14	local drainage to Ponchatoula Creek to Natalbany River to Tickfaw River
154102	LAG570446	001	Treated sanitary wastewater	Ophthalmology Clinic & Surgery Center	Health Services	04/30/14	Pipe-local drainage-Ponchatoula Creek
154169	LAG570436	001	treated sanitary wastewater	Advanced Construction Co - Blossom Creek Subdivision	Real Estate	03/14/09	unnamed ditch to East Ponchatoula Creek to Ponchatoula Creek
154899	LAG532542	001	Treated sanitary wastewater	US Postal Service - Natalbany Post Office	Federal Agency	11/30/12	Unnamed ditch-Ponchatoula Creek-Ponchatoula River
158035	LAG570458	001	treated sanitary wastewater	Elmwood Park Second Filing - Mo-Dad Utilities LLC	Electric, Gas, And Sanitary Services	03/14/09	detention pond to unnamed drainage ditch to Ponchatoula Creek
159184	LAU006036			Learning Land Child Development Center	Social Services		
159210	LAG541681	001	Treated sanitary wastewater	Density Utilities of Louisiana LLC - Circle H Phase II Estates Subdivision	Real Estate	06/30/13	Effluent pipe-Pontchatoula Creek-Natalbany River
161450	LAG470279	006	Commingled washrack and sanitary wastewater	Hammond Autoplex LLC - Hammond Autoplex	Auto dealers and gasoline service stations	10/15/14	Effluent pipe-ditch along N Morrison Blvd-Pontchatoula Creek
163586	LAG533095	001	Treated sanitary wastewater	Global Press & Graphics LLC	Nonclassifiable Establishments	11/30/12	Roadside ditch-Ponchatoula Creek
164099	LAR10F661		construction stormwater	Arrington Place - DSLD LLC	Nonclassifiable Establishments	09/30/14	tributary of Ponchatoula Creek to Ponchatoula Creek to Blood River
165514	LAG533179	001	treated sanitary wastewater	Mission International Worship & Family Life Center - The Mission International Church	Membership Organizations	11/30/12	effluent pipe to W I-55 service rd ditch to Ponchatoula creek to Natalbany River
166523	LAR10F901		construction stormwater	Somerset Subdivision - Boars Head Development LLC	Nonclassifiable Establishments	09/30/14	onsite retention pond to Parish Road Ditches to Parish Lateral to Yellow Water Creek to Ponchatoula Creek to Natalbany River to Tickfaw river to LakeMaurepas

AI	Permit #	Outfall	Outfall type	Facility name	Facility type	Expiration date	Receiving waterbody
166527	LAR10F897		construction stormwater	E-Z Commercial Park - Eschette-Zimmer Investments LLC	Nonclassifiable Establishments	09/30/14	unnamed ditch to Ponchatoula Creek
167337	**LAG541777**	001	treated sanitary wastewater	Bobby Farrell - Country Side Mobile Home Park	Nonclassifiable Establishments	06/30/13	US Hwy 51 ditch to Ponchatoula Creek
167337	LAR10G287		construction stormwater	Bobby Farrell - Country Side Mobile Home Park	Nonclassifiable Establishments	09/30/14	US Hwy 51 ditch to Ponchatoula Creek
167763	LAR10G083		Construction stormwater	The Parc in Hammond	Nonclassifiable Establishments	09/30/14	ditch - pond - Yellow Water River - Pontchatoula Creek - Tickfaw River
169333	LAR10G223		Construction stormwater	Madison Trace - DSLD LLC	Nonclassifiable Establishments	09/30/14	swale - tributary - Pontchatoula Creek - Tickfaw River
170170	**LAG533436**	001	treated sanitary wastewater	Sinsations of LA LLC - Sinsations of Hammond	Nonclassifiable Establishments	11/30/12	roadside ditch to parish drainage ditch to Ponchatoula Creek to yellow Water River
171222	LAR10G485		construction stormwater	Audubon Gardens - DR Horton Inc-Gulf Coast	Nonclassifiable Establishments	05/31/15	detention pond to tributary of Ponchatoula Creek to Ponchatoula Creek to Tickfaw River to Lake Maurepas
171855	**LAG533544**	001	Treated sanitary wastewater	Dollar General	Nonclassifiable Establishments	11/30/12	Effluent pipe into Hwy 1064 ditch-Ponchatoula Creek-Yellow Water River
172067	LAR10G545		construction stormwater	Holly Gardens Phase 1	Nonclassifiable Establishments	07/21/15	roadside swale to tributary of Ponchatoula Creek to Ponchatoula Creek to Tickfaw River to Lake Maurepas
172560	**LAG533605**	001	treated sanitary wastewater	Certified Roofing Specialist Inc	Construction Special Trade Contractors	11/30/12	Ponchatoula Creek

Note: Permits in **red bold** received WLAs in this TMDL.

Table A-2. Terminated point source permits

AI	Permit #	Facility name	Facility type	Expiration date
19579	LA0032310	Hammond City of - North STP	Electric, Gas, And Sanitary Services	Terminated 10/24/2007
19930	LAG560134	Tangipahoa Parish Sewer District #1 - Bon Aire Estates Subdivision	General Agency Interest	Terminated 1/20/06
43486	LAG560161	Tangipahoa Parish Sewerage District #1 - Pineywood Subdivision	Electric, Gas, And Sanitary Services	Terminated 08/10/2005
43489	LAG560132	Tangipahoa Parish Sewerage District #1 - NW Regional STP	General Agency Interest	Terminated 06/19/2007
86954	LAG541130	Michelle Park Subdivision	Real Estate	Terminated 10/15/2008
101099	LAG531337	Santo Muscarello Apartments	Real Estate	Terminated 06/16/2005
115953	LAR10C337	Woodland Lake Senior Community - Construction	Real Estate	Terminated 01/19/2007
128353	LAG531859	Lou & Harry Accornero - Angel Steps Childcare	Electric, Gas, And Sanitary Services	Terminated
141582	LAR10D627	D R Horton Inc - Elmwood Subdivision	Real Estate	Terminated 04/23/2009
146814	LAG570402	Stone Creek Subdivision - WWTP	Electric, Gas, And Sanitary Services	Terminated 09/08/2009
155331	LAR10F584	St Paul Estates ALPIC - St Paul Estates	Electric, Gas, And Sanitary Services	Terminated 02/03/2010
155978	LAR10E998	Broadmoor Estates	Heavy Construction Other Than Bldg. Constr.	Terminated 10/07/2009
158433	LAR10F172	Arrington Place Subdivision	Heavy Construction Other Than Bldg. Constr.	Terminated 11/9/09
160671	LAG533008	After Hours Bar & Grill	Eating And Drinking Places	Terminated

APPENDIX B:
Monitoring Data Tables and Plots

TABLES

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FIGURES

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Figure B-6. Continuous temperature data observed at Ponchatoula Creek at LA Hwy 22 at station PON-9. ..... B-13
Figure B-7. Continuous specific conductivity data observed at Ponchatoula Creek at LA Hwy 22 at station PON-9. ..... B-13
Figure B-8. Continuous pH data observed at Ponchatoula Creek at LA Hwy 22 at station PON-9. ..... B-14

Table B-1. In situ data collected during the August 2009 intensive survey

Site ID	Site name	Date	Time	Sample depth (m)	Water Temp. (°C)	Specific Conductivity (umhos/cm)	DO (mg/L)	pH (su)	Secchi depth (m)
PON-1	Ponchatoula Creek at US Hwy 51	8/7/09	1500	0.5	30.0	124	7.4	6.7	--
PON-1-D		8/7/09	1515	0.5	--	--	--	--	--
PON-3	Ponchatoula Creek at N Oak St	8/7/09	1230	0.5	32.6	268	7.8	8.2	--
EPON-1	East Ponchatoula Creek at Magazine St.	8/7/09	1120	0.5	25.8	135	3.3	6.5	--
PON-4	Ponchatoula Creek at LA Hwy 190	8/7/09	1000	0.4	27.1	224	5.9	7.0	--
PON-6	Ponchatoula Creek at S Range Rd	8/7/09	1915	0.15	32.8	316	7.0	8.0	--
PON-9	Ponchatoula Creek at LA Hwy 22	8/5/09	1710	0.5	33.9	114	5.1	6.8	--
PON-11	Ponchatoula Creek 4.0 miles below LA Hwy 22	8/8/09	1310	4.0	30.5	275	5.3	6.7	0.98
PTS-1	Village of Tickfaw WWTP	8/7/09	1600	0.5	26.8	109	0.6	6.5	--

Table B-2. Water quality data from August 2009 intensive survey

Site ID	Date	Time	TKN (mg/L)	NH3 (mg/L)	NO2+ NO3 (mg/L)	Total Phos. (mg/L)	Ortho Phos. (mg/L)	Chloro-phyll a (mg/L)	TSS (mg/L)	TOC (mg/L)
PON-1	8/7/09	1500	1.58	0.29	0.090	0.241	0.116	<3	10	3.8
PON-1-D	8/7/09	1515	2.07	0.30	0.047	0.198	0.114	<3	4	3.4
PON-3	8/7/09	1230	1.95	0.10	<0.040	0.763	0.549	42	250	2.1
EPON-1	8/7/09	1120	1.26	0.11	0.093	0.588	0.441	5	9	9.9
PON-4	8/7/09	1000	0.93	<0.10	0.078	0.477	0.358	3	13	7.6
PON-6	8/7/09	1915	1.30	0.29	0.375	0.581	0.429	<3	8	4.8
PON-9	8/5/09	1710	1.67	0.54	0.175	0.571	0.388	22	38	5.4
PON-11	8/8/09	1310	1.72	0.15	0.084	0.335	0.178	19	16	5.0
PTS-1	8/7/09	1600	4.11	0.15	<0.040	0.484	0.242	6	19	9.2

Table B-3. CBOD monitoring results from August 2009 intensive survey

Site ID	Date	Time	CBOD Day 2 (mg/L)	CBOD Day 5 (mg/L)	CBOD Day 9 (mg/L)	CBOD Day 14 (mg/L)	CBOD Day 20 (mg/L)	CBOD Day 27 (mg/L)
PON-1	8/7/09	1500	<2	3	5	7	10	16
PON-1-D	8/7/09	1515	<2	<2	4	8	10	16
PON-3	8/7/09	1230	<2	<2	4	5	7	8
EPON-1	8/7/09	1120	<2	2	4	8	11	13
PON-4	8/7/09	1000	<2	<2	3	5	8	15
PON-6	8/7/09	1915	<2	<2	4	16	24	28
PON-9	8/5/09	1710	<2	4	6	11	13	26
PON-11	8/8/09	1310	<2	<2	14	21	26	17
PTS-1	8/7/09	1600	<2	3	6	9	12	22

Table B-4. Available data for station 1112 (Ponchatoula Creek at Hwy. 22)

Parameter	Period of record	No. of Obs.	Minimum (mg/L)	Maximum (mg/L)	Average (mg/L)
dissolved oxygen	1/9/01–8/27/08	35	0.25	10.46	4.2
nitrite+nitrate	1/09/10–8/26/08	34	0.05	3.5	0.70
total Kejldahl nitrogen	1/09/10–8/26/08	35	0.99	13.4	3.96
total phosphorus	1/09/10–8/26/08	35	0.28	4.58	1.49

Table B-5. Water Quality data from special study (Bourgeois-Calvin dissertation)

Site	Station name	Date	Temp (°C)	DO (mg/L)	Spec Cond	Turbid (NTU)	pH
PC2	Ponchatoula @ Hwy 22	1/2/06	19.7	2.86	430.4	16.8	
PC2	Ponchatoula @ Hwy 22	1/17/06	14.3	5.01	536	19.6	
PC2	Ponchatoula @ Hwy 22	1/30/06	19.8	2.32	467	22.2	
PC2	Ponchatoula @ Hwy 22	2/13/06	10.9	6.56	201.5	44.3	
PC2	Ponchatoula @ Hwy 22	3/6/06	20.3	2.65	455.8	29.2	
PC2	Ponchatoula @ Hwy 22	3/20/06	20.8		513	33.5	
PC2	Ponchatoula @ Hwy 22	4/3/06	24.4	4.02	569	12.5	
PC2	Ponchatoula @ Hwy 22	4/17/06	27.6	6.72	571	14.5	
PC2	Ponchatoula @ Hwy 22	4/24/06	26.8	4.32	564	14.6	
PC2	Ponchatoula @ Hwy 22	5/8/06	29.3	9.92	412	16.2	
PC2	Ponchatoula @ Hwy 22	5/22/06	28.7	6.11	5.75	13.1	
PC2	Ponchatoula @ Hwy 22	6/5/06	28.4	7.94	567	18.4	
PC2	Ponchatoula @ Hwy 22	6/19/06	31.1	5.51	605	8.43	
PC2	Ponchatoula @ Hwy 22	7/17/06	30.6	5.04	503	20.4	
PC2	Ponchatoula @ Hwy 22	8/14/06	31.4	3.14	325.3	20.9	
PC2	Ponchatoula @ Hwy 22	8/29/06	30.8	3.81	300.6	20.3	
PC2	Ponchatoula @ Hwy 22	9/18/06	26.8	2.69	6.75	41.2	
PC2	Ponchatoula @ Hwy 22	10/9/06	24.2	4.16	5.34	7.73	
PC2	Ponchatoula @ Hwy 22	10/23/06	21.8	3.78	346	47.9	
PC2	Ponchatoula @ Hwy 22	11/13/06	18.5	3.51	572	17.7	
PC2	Ponchatoula @ Hwy 22	12/5/06	10.2	2.63	360.1	21.6	
PC2	Ponchatoula @ Hwy 22	1/22/07	14	8.07	69	97.2	
PC2	Ponchatoula @ Hwy 22	1/30/07	9.3	7.04	115.4	57	
PC2	Ponchatoula @ Hwy 22	2/12/07	16.6	8.31	235.5	53.1	7.46
PC2	Ponchatoula @ Hwy 22	2/27/07	19.2	10.19	216.3	26.8	
PC2	Ponchatoula @ Hwy 22	3/19/07	20.6	4.29	168.2	45.8	7
PC2	Ponchatoula @ Hwy 22	3/26/07	23.2	7.5	277.5	38.8	
PC2	Ponchatoula @ Hwy 22	4/24/07	25	7.53	223.6	19.4	
PC2	Ponchatoula @ Hwy 22	5/7/07	25.8	6.18	141.9	48.6	
PC2	Ponchatoula @ Hwy 22	5/21/07	26.6	5.52	131.5	23.9	
PC2	Ponchatoula @ Hwy 22	6/13/07	27.2	3.75	95.4	169	6.74
PC2	Ponchatoula @ Hwy 22	6/25/07	30	7.02	135.5	26.7	
PC2	Ponchatoula @ Hwy 22	7/2/07	31.7	6.23	231.1	26.7	7.57
PC2	Ponchatoula @ Hwy 22	7/17/07	24.7	3.88	171.5	46	7.13
PC2	Ponchatoula @ Hwy 22	7/31/07	26.2	5.13	77.2	142	
PC2	Ponchatoula @ Hwy 22	8/14/07	33.3	9.43	239.5	16.7	
PC2	Ponchatoula @ Hwy 22	9/11/07	29.1	3.46	129.1	30.3	
PC2	Ponchatoula @ Hwy 22	10/9/07	26.7	4.17	455.4	11.9	
PC2	Ponchatoula @ Hwy 22	10/23/07	20.3	5.39	54.5	158	
PC2	Ponchatoula @ Hwy 22	11/6/07	18	8.08	235.2	38.4	
PC2	Ponchatoula @ Hwy 22	11/20/07	22	9.46	0.3	41.2	
PC2	Ponchatoula @ Hwy 22	12/4/07	13.5	1.88	267.5	26.5	
PC2	Ponchatoula @ Hwy 22	12/18/07	13.5	3.91	313.2	30.1	
PC2	Ponchatoula @ Hwy 22	1/2/08	8.9	6.85	115.1	84.7	
PC2	Ponchatoula @ Hwy 22	1/29/08	14.3	8.91	107	54.2	
PC2	Ponchatoula @ Hwy 22	2/12/08	15.5	5.31	113.7	65.4	
PC2	Ponchatoula @ Hwy 22	2/26/08	17.8	3.88	138.7	50.9	

Site	Station name	Date	Temp (°C)	DO (mg/L)	Spec Cond	Turbid (NTU)	pH
PC2	Ponchatoula @ Hwy 22	4/7/08	23	3.97	154.1	55.4	
PC2	Ponchatoula @ Hwy 22	4/22/08	22.9	4.59	231.8	20.2	7.11
PC2	Ponchatoula @ Hwy 22	5/7/08	25.9	5.47	110.4		6.84
PC2	Ponchatoula @ Hwy 22	5/20/08	26	4.11	135.5	36.7	
PC2	Ponchatoula @ Hwy 22	6/3/08	31.2	8.67	255.9		7.28
PC2	Ponchatoula @ Hwy 22	6/17/08	29.6		357.9		7.56
PC2	Ponchatoula @ Hwy 22	7/1/08	26.4	4.13	157.8		6.78
PC2	Ponchatoula @ Hwy 22	7/15/08	30.8	5.94	208.6	25.8	6.98
PC2	Ponchatoula @ Hwy 22	7/29/08	28.2	3.06	221.6	49.8	7.08
PC2	Ponchatoula @ Hwy 22	8/13/08	25.3	5.73	93	358	
PC2	Ponchatoula @ Hwy 22	8/26/08	25.6	4.25	131.7	60.7	6.84
PC2	Ponchatoula @ Hwy 22	9/9/08	27.4	1.48	128.2		
PC2	Ponchatoula @ Hwy 22	9/24/08	26	4.03	110	61.5	7.06
PC2	Ponchatoula @ Hwy 22	10/7/08		9.48	264.5	7.1	64.5
PC2	Ponchatoula @ Hwy 22	10/21/08	20.2	2.85	228.7	21.2	
PC2	Ponchatoula @ Hwy 22	11/4/08	16.2	7.29	282.7	39.7	
PC2	Ponchatoula @ Hwy 22	11/18/08	13.5	4.96	287	36.1	
PC2	Ponchatoula @ Hwy 22	12/2/08	13.8	5.11	257.9		
PC2	Ponchatoula @ Hwy 22	12/16/08	15.6	6.76	99.5	130	
PC2	Ponchatoula @ Hwy 22	12/30/08	14.7	9.79	90.3	61.3	
PC2	Ponchatoula @ Hwy 22	1/6/09	19.2	6.56	92.4	229	
PC2	Ponchatoula @ Hwy 22	1/20/09	9.6	7.05	256.7	60.7	
PC2	Ponchatoula @ Hwy 22	2/3/09	11.6	8.24	165.4	296	
PC2	Ponchatoula @ Hwy 22	2/17/09	14.6	4.81	184.3	62.1	
PC2	Ponchatoula @ Hwy 22	3/3/09	12.7	7.55	334.5	151	
PC2	Ponchatoula @ Hwy 22	3/17/09	17.7	6.54	103.7	9.08	
PC2	Ponchatoula @ Hwy 22	3/27/09	18.9	6.68	50.1	336	
PC2	Ponchatoula @ Hwy 22	3/31/09	19.9	5.6	138.6	45	
PC2	Ponchatoula @ Hwy 22	4/13/09	20.6	5.4	119.2	383	
PC2	Ponchatoula @ Hwy 22	4/28/09	24.3	3.59	206.3	28.1	
PC2	Ponchatoula @ Hwy 22	5/12/09	27.1	2.22	272.4	16.1	
PC2	Ponchatoula @ Hwy 22	5/27/09	25.8	3.65	327.3	14.3	
PC2	Ponchatoula @ Hwy 22	6/9/09	28.4	6.14	357.6	37.8	
PC2	Ponchatoula @ Hwy 22	7/1/09	29.5	3.43	437.8	26.5	
PC2	Ponchatoula @ Hwy 22	7/7/09	27.9	1.97	282.3	34.5	
PC2	Ponchatoula @ Hwy 22	7/22/09	28	4.16	149.9	61.8	
PC2	Ponchatoula @ Hwy 22	8/5/09	28.4	2.17	121.8	69.4	
PC2	Ponchatoula @ Hwy 22	8/18/09	28.5	3.19	161.6	53.8	
PC2	Ponchatoula @ Hwy 22	9/11/09	25	3.43	93.7	95.2	
PC2	Ponchatoula @ Hwy 22	9/22/09	27.8	3.54	183.3	13.2	
PC2	Ponchatoula @ Hwy 22	10/6/09	26.6	4.8	84.3	54.2	
PC2	Ponchatoula @ Hwy 22	10/20/09	19.1	5.91	116.4	32.7	
PC2	Ponchatoula @ Hwy 22	11/5/09	18.1	9.93	195.8	46.2	
PC2	Ponchatoula @ Hwy 22	11/17/09	14.9	3.18	346.1	24.3	
PC2	Ponchatoula @ Hwy 22	1/11/10	4.8	93.56	212.4	36.1	
PC2	Ponchatoula @ Hwy 22	1/25/10	14.7	8.48	94.5	68.1	
PC2	Ponchatoula @ Hwy 22	2/9/10	11.6	8.7	48.8		
PC2	Ponchatoula @ Hwy 22	2/22/10	14	8.75	69.7		

Site	Station name	Date	Temp (°C)	DO (mg/L)	Spec Cond	Turbid (NTU)	pH
PC2	Ponchatoula @ Hwy 22	3/8/10	15.1	7.35	199.7	62.1	
PC2	Ponchatoula @ Hwy 22	3/23/10	15.9	8.6	371.1	13.6	
PC5	Ponchatoula @ Wardline Rd.	1/2/06	20.5	6.81	309.5	9.8	
PC5	Ponchatoula @ Wardline Rd.	1/17/06	15.4	7.64	230.1	16.2	
PC5	Ponchatoula @ Wardline Rd.	1/30/06	18.9	6.95	246.1	72	
PC5	Ponchatoula @ Wardline Rd.	2/13/06	10	9.31	232.3	15.5	
PC5	Ponchatoula @ Wardline Rd.	3/6/06	17.7	9.65	320	11	
PC5	Ponchatoula @ Wardline Rd.	3/20/06	20.6	5.68	355.5	12.5	
PC5	Ponchatoula @ Wardline Rd.	4/3/06	21.6	5.7	342.5	14	
PC5	Ponchatoula @ Wardline Rd.	4/17/06	25.3		294.7	11.4	
PC5	Ponchatoula @ Wardline Rd.	4/24/06	23	5.26	582	6.02	
PC5	Ponchatoula @ Wardline Rd.	5/8/06	24.7	6	177.9	21.6	
PC5	Ponchatoula @ Wardline Rd.	5/22/06	23.1	5.87	3.14	8.6	
PC5	Ponchatoula @ Wardline Rd.	6/5/06	24.3	5.81	318.2	9.63	
PC5	Ponchatoula @ Wardline Rd.	6/19/06	27.6	5.73	355.6	7.61	
PC5	Ponchatoula @ Wardline Rd.	7/17/06	29.9	6.42	490	8.21	
PC5	Ponchatoula @ Wardline Rd.	8/14/06	28.2	4.88	201.5	14.6	
PC5	Ponchatoula @ Wardline Rd.	8/29/06	28.6	5.42	257.3	11.1	
PC5	Ponchatoula @ Wardline Rd.	9/11/06	28.2	6.48	4.82	7.12	
PC5	Ponchatoula @ Wardline Rd.	9/18/06	26.4	6.8	301.1	41	
PC5	Ponchatoula @ Wardline Rd.	10/9/06	21.5	6.86	297.9	11.8	
PC5	Ponchatoula @ Wardline Rd.	10/23/06	19.1	6.34	378.7	9.42	
PC5	Ponchatoula @ Wardline Rd.	11/13/06	17.5	8.02	464.6	9.26	
PC5	Ponchatoula @ Wardline Rd.	12/5/06	8.3	9.47	251.6	8.82	
PC5	Ponchatoula @ Wardline Rd.	1/22/07	13.7	8.41	71.2	49.8	
PC5	Ponchatoula @ Wardline Rd.	1/30/07	9.6	8.18	214.8	14.9	
PC5	Ponchatoula @ Wardline Rd.	2/12/07	13.3	10.01	284.3	9.86	7.48
PC5	Ponchatoula @ Wardline Rd.	2/27/07	18.8	9.88	268.1	7.41	
PC5	Ponchatoula @ Wardline Rd.	3/19/07	18.4	7.63	253.6	9.76	7.32
PC5	Ponchatoula @ Wardline Rd.	3/26/07	23.2	8.11	277.8	9.41	
PC5	Ponchatoula @ Wardline Rd.	4/24/07	24.4	7.51	298.3	8.49	
PC5	Ponchatoula @ Wardline Rd.	5/7/07	23.7	5.61	234.6	12.9	
PC5	Ponchatoula @ Wardline Rd.	5/21/07	25.6	7.29	126	9.3	
PC5	Ponchatoula @ Wardline Rd.	6/13/07	25.8	5.13	133.7	18.2	7.01
PC5	Ponchatoula @ Wardline Rd.	6/25/07	29	6.92	279.6	14.6	
PC5	Ponchatoula @ Wardline Rd.	7/2/07	27.3	5.6	302.9	6.31	7.14
PC5	Ponchatoula @ Wardline Rd.	7/17/07	24.6	5.61	229.3	11.5	7.15
PC5	Ponchatoula @ Wardline Rd.	7/31/07	25.9	6.16	134.5	23.5	
PC5	Ponchatoula @ Wardline Rd.	8/14/07	29.5	6.11	341.2	7.11	
PC5	Ponchatoula @ Wardline Rd.	9/11/07	27.7	6.49	300	6.66	
PC5	Ponchatoula @ Wardline Rd.	9/25/07	27.4	7.24	339	11.7	
PC5	Ponchatoula @ Wardline Rd.	10/9/07	27.4	5.53	262.1	22.4	
PC5	Ponchatoula @ Wardline Rd.	10/23/07	20.2	6.01	49.6	82.3	
PC5	Ponchatoula @ Wardline Rd.	11/6/07	17.8	8.66	245.9	10.3	
PC5	Ponchatoula @ Wardline Rd.	11/20/07	20.4	8.87	0.3		
PC5	Ponchatoula @ Wardline Rd.	12/4/07	10.2	9.57	192.2	7.19	
PC5	Ponchatoula @ Wardline Rd.	12/18/07	12.1	9.2	181.3	8.83	
PC5	Ponchatoula @ Wardline Rd.	1/2/08	6.8	11.03	145.4	22.3	

Site	Station name	Date	Temp (°C)	DO (mg/L)	Spec Cond	Turbid (NTU)	pH
PC5	Ponchatoula @ Wardline Rd.	1/29/08	14.2	8.51	0.2	31.8	
PC5	Ponchatoula @ Wardline Rd.	2/12/08					
PC5	Ponchatoula @ Wardline Rd.	2/26/08	18.4	7.88	178.1	28.7	
PC5	Ponchatoula @ Wardline Rd.	4/7/08	23.2	7.36	207.9	15	
PC5	Ponchatoula @ Wardline Rd.	4/22/08	20.8	5.74	302.4	11.1	6.99
PC5	Ponchatoula @ Wardline Rd.	5/7/08	22	6.13	185.7		6.88
PC5	Ponchatoula @ Wardline Rd.	5/20/08	24.2	4.47	235.4	15.5	
PC5	Ponchatoula @ Wardline Rd.	6/3/08	27.8	5.72	307.5		6.97
PC5	Ponchatoula @ Wardline Rd.	6/17/08	26.7	4.68	245.4	15.5	6.98
PC5	Ponchatoula @ Wardline Rd.	7/1/08	24.1	5.28	216.4	12.2	6.76
PC5	Ponchatoula @ Wardline Rd.	7/15/08	26.3	4.98	160.5	18.3	6.81
PC5	Ponchatoula @ Wardline Rd.	7/29/08	27	4.11	205.7	13.3	7.04
PC5	Ponchatoula @ Wardline Rd.	8/13/08	24.5	5.5	66	250	
PC5	Ponchatoula @ Wardline Rd.	8/26/08	24.5	5.58	162	16.6	6.84
PC5	Ponchatoula @ Wardline Rd.	9/9/08	25.6	4.07	263.6	8.51	
PC5	Ponchatoula @ Wardline Rd.	9/24/08	24.5	6.33	241.9	10.1	7.11
PC5	Ponchatoula @ Wardline Rd.	10/7/08	24.3	6.17	336.7	6.97	6.99
PC5	Ponchatoula @ Wardline Rd.	10/21/08	17.8	6.47	325.7	13	
PC5	Ponchatoula @ Wardline Rd.	11/4/08	15.5	7.57	345.3	6.63	
PC5	Ponchatoula @ Wardline Rd.	11/18/08	12.1	8.43	273.1	8.67	
PC5	Ponchatoula @ Wardline Rd.	12/2/08	10.5	9.61	22.4	7.34	
PC5	Ponchatoula @ Wardline Rd.	12/16/08	14.3	8.02	129.7	167	
PC5	Ponchatoula @ Wardline Rd.	12/30/08	14	12.43	78	48.3	
PC5	Ponchatoula @ Wardline Rd.	1/6/09	19.9	7.5	126.9	59.1	
PC5	Ponchatoula @ Wardline Rd.	1/20/09	9.8	9.51	280.8	13	
PC5	Ponchatoula @ Wardline Rd.	2/3/09	11.9	11.76	201.2	20.9	
PC5	Ponchatoula @ Wardline Rd.	2/17/09	13.5	11.76	268.9	25	
PC5	Ponchatoula @ Wardline Rd.	3/3/09	12.7	11.83	202.4	20.8	
PC5	Ponchatoula @ Wardline Rd.	3/17/09	17	7.43	156.4	28.3	
PC5	Ponchatoula @ Wardline Rd.	3/27/09	18.9	5.43	51.2	50	
PC5	Ponchatoula @ Wardline Rd.	3/31/09	19.1	4.72	127.6	24.7	
PC5	Ponchatoula @ Wardline Rd.	4/13/09	20.1	4.22	139	63.9	
PC5	Ponchatoula @ Wardline Rd.	4/28/09	22	2.2	215.6	16.2	
PC5	Ponchatoula @ Wardline Rd.	5/12/09	22.6	6.24	141.1	17.3	
PC5	Ponchatoula @ Wardline Rd.	5/27/09	24.9	2.12	253.4	17.7	
PC5	Ponchatoula @ Wardline Rd.	6/9/09	27.5	2.21	303.8	15.9	
PC5	Ponchatoula @ Wardline Rd.	7/1/09	25	2.72	261.4	23.7	
PC5	Ponchatoula @ Wardline Rd.	7/7/09	27.5	7.25	97.3	49.6	
PC5	Ponchatoula @ Wardline Rd.	7/22/09	26.3	5.91	284	26.1	
PC5	Ponchatoula @ Wardline Rd.	8/5/09	27.2	6.87	153.9	28.7	
PC5	Ponchatoula @ Wardline Rd.	9/22/09	28.1	7.45	252.6	44.2	
PC5	Ponchatoula @ Wardline Rd.	10/6/09	26.9	6.85	133.3	17.5	
PC5	Ponchatoula @ Wardline Rd.	10/20/09	18.4	8.22	272.3	10.6	
PC5	Ponchatoula @ Wardline Rd.	11/5/09	19	11.74	288.4		
PC5	Ponchatoula @ Wardline Rd.	11/17/09	13.8	8.49	186.5		
PC5	Ponchatoula @ Wardline Rd.	1/11/10	7	10.26	276.5		
PC5	Ponchatoula @ Wardline Rd.	1/25/10	14.2	10.4	160.8	19.2	
PC5	Ponchatoula @ Wardline Rd.	2/9/10	11.1	8.68	45.4		

Site	Station name	Date	Temp (°C)	DO (mg/L)	Spec Cond	Turbid (NTU)	pH
PC5	Ponchatoula @ Wardline Rd.	2/22/10	14.8	8.31	41.6		
PC5	Ponchatoula @ Wardline Rd.	3/8/10	15	9.88	324.5	15.7	
PC5	Ponchatoula @ Wardline Rd.	3/23/10	16.3	12.87	359.6	10.4	
PC8	Ponchatoula @ Robertson Rd.	1/2/06	20.9	4.63	254.3	17.6	
PC8	Ponchatoula @ Robertson Rd.	1/17/06	13.6	6.86	317	31	
PC8	Ponchatoula @ Robertson Rd.	1/30/06	18.4	4.87	201.1	41.3	
PC8	Ponchatoula @ Robertson Rd.	2/13/06	5.7	8.61	96	56.1	
PC8	Ponchatoula @ Robertson Rd.	3/6/06	16.3	3.62	159.8	45.5	
PC8	Ponchatoula @ Robertson Rd.	3/20/06	19.6	4.64	194.2	54.4	
PC8	Ponchatoula @ Robertson Rd.	4/3/06	21.1	4.26	271.8	50.6	
PC8	Ponchatoula @ Robertson Rd.	4/17/06	24.2	7.83	256.3	61.6	
PC8	Ponchatoula @ Robertson Rd.	4/24/06	22.7	3.6	261.7	69.2	
PC8	Ponchatoula @ Robertson Rd.	5/8/06	22.9	5.42	91.2	103	
PC8	Ponchatoula @ Robertson Rd.	5/22/06	24	4.49	199.6	56.7	
PC8	Ponchatoula @ Robertson Rd.	6/5/06	24.3	3.47	275.3	49	
PC8	Ponchatoula @ Robertson Rd.	6/19/06	27.7	3.16	501	42.4	
PC8	Ponchatoula @ Robertson Rd.	7/17/06	29.3	5.94	241.2	28.6	
PC8	Ponchatoula @ Robertson Rd.	8/14/06	27.4	2.6	222.5	81.5	
PC8	Ponchatoula @ Robertson Rd.	8/29/06	27.1	3.11	184.3	69.9	
PC8	Ponchatoula @ Robertson Rd.	9/11/06	26	5.38	117.2	15.8	
PC8	Ponchatoula @ Robertson Rd.	9/18/06	26.4	6.25	171.3	94.1	
PC8	Ponchatoula @ Robertson Rd.	10/9/06	18.6	5.99	367.7	32.1	
PC8	Ponchatoula @ Robertson Rd.	10/23/06	19.8	7.56	269.3	61.8	
PC8	Ponchatoula @ Robertson Rd.	11/13/06	17.7	8.05	380.6	31.2	
PC8	Ponchatoula @ Robertson Rd.	12/5/06	6.1	7.77	202.4	31	
PC8	Ponchatoula @ Robertson Rd.	1/22/07	13.3	7.87	54.8	62	
PC8	Ponchatoula @ Robertson Rd.	1/30/07	10.8	6.38	112.7	33	
PC8	Ponchatoula @ Robertson Rd.	2/12/07	13.5	7.17	140.8	17.4	6.54
PC8	Ponchatoula @ Robertson Rd.	2/27/07	18.6	9.46	138.3	10.8	
PC8	Ponchatoula @ Robertson Rd.	3/19/07	17.4	5.95	137.1	22	6.53
PC8	Ponchatoula @ Robertson Rd.	3/26/07	22.1	7.47	141.3	16.9	
PC8	Ponchatoula @ Robertson Rd.	4/24/07	24.5	7.08	155.1	17.8	
PC8	Ponchatoula @ Robertson Rd.	5/7/07	23.1	5.29	120.1	31.8	
PC8	Ponchatoula @ Robertson Rd.	5/21/07	24.9	7.26	148.7	13.6	
PC8	Ponchatoula @ Robertson Rd.	6/13/07	24.5	4.51	154.5	37.1	6.78
PC8	Ponchatoula @ Robertson Rd.	6/25/07	29.6	7.37	153.3	16.8	
PC8	Ponchatoula @ Robertson Rd.	7/2/07	26.9	6.3	182.4	23.9	7.17
PC8	Ponchatoula @ Robertson Rd.	7/17/07	23.4	5.3	107.3	31.9	6.66
PC8	Ponchatoula @ Robertson Rd.	7/31/07	25.4	5.93	67.3	194	
PC8	Ponchatoula @ Robertson Rd.	8/14/07	28.3	7.41	143.4	25.8	
PC8	Ponchatoula @ Robertson Rd.	9/11/07	28.6	8.49	206.3	31.5	
PC8	Ponchatoula @ Robertson Rd.	9/25/07	27.6	7.53	277.3	32.7	
PC8	Ponchatoula @ Robertson Rd.	10/9/07	26.1	5.86	93.5		
PC8	Ponchatoula @ Robertson Rd.	10/23/07	18.7	6.47	48.7	64.7	
PC8	Ponchatoula @ Robertson Rd.	11/6/07	18.1	10.24	176	34.6	
PC8	Ponchatoula @ Robertson Rd.	11/20/07	22.2	7.54	268.2	26.5	
PC8	Ponchatoula @ Robertson Rd.	12/4/07	9.5	6.07	19.5	30	
PC8	Ponchatoula @ Robertson Rd.	12/18/07	9.9	8.08	217.13	32	

Site	Station name	Date	Temp (°C)	DO (mg/L)	Spec Cond	Turbid (NTU)	pH
PC8	Ponchatoula @ Robertson Rd.	1/2/08	5.2	10.75	86.9	61.1	
PC8	Ponchatoula @ Robertson Rd.	1/29/08	13.7	8.85	71.03	62.9	
PC8	Ponchatoula @ Robertson Rd.	2/12/08	17.8	5.81	128.9	19.6	
PC8	Ponchatoula @ Robertson Rd.	2/26/08	17.6	6.32	103.8	25.3	
PC8	Ponchatoula @ Robertson Rd.	4/7/08	21	6.75	123.6	29.8	
PC8	Ponchatoula @ Robertson Rd.	4/22/08	19.6	5.49	133.3	18.6	6.66
PC8	Ponchatoula @ Robertson Rd.	5/7/08	20.4	5.45	106.1		6.52
PC8	Ponchatoula @ Robertson Rd.	5/20/08	21.2	5.69	115.9	26.8	
PC8	Ponchatoula @ Robertson Rd.	6/3/08	24.3	6.54	115.7	15.7	6.69
PC8	Ponchatoula @ Robertson Rd.	6/17/08	24.3	6.39	113.5	16.9	6.79
PC8	Ponchatoula @ Robertson Rd.	7/1/08	22.4	5.84	155.4	23	6.61
PC8	Ponchatoula @ Robertson Rd.	7/15/08	25	4.49	136.8	151	6.7
PC8	Ponchatoula @ Robertson Rd.	7/29/08	25.8	3.92	141.3	32.3	6.98
PC8	Ponchatoula @ Robertson Rd.	8/13/08	24.4	5.82	53.2	390	
PC8	Ponchatoula @ Robertson Rd.	8/26/08	24.3	5.12	110	132	6.8
PC8	Ponchatoula @ Robertson Rd.	9/9/08	23.7	3.45	125.9	24.3	
PC8	Ponchatoula @ Robertson Rd.	9/24/08	23.7	5.97	134.7	26.9	7.02
PC8	Ponchatoula @ Robertson Rd.	10/7/08	22.5	5.31	136.4	19.4	6.89
PC8	Ponchatoula @ Robertson Rd.	10/21/08	16.8	5.83	168.9	38.9	
PC8	Ponchatoula @ Robertson Rd.	11/4/08	15.1	6.47	180.5	25.7	
PC8	Ponchatoula @ Robertson Rd.	11/18/08	11.1	8.22	236.3	40.9	
PC8	Ponchatoula @ Robertson Rd.	12/2/08	10	7.38	193.4	169	
PC8	Ponchatoula @ Robertson Rd.	12/16/08	13.7	5.94	133.3	47.4	
PC8	Ponchatoula @ Robertson Rd.	12/30/08	13.4	10.74	72.2	49.5	
PC8	Ponchatoula @ Robertson Rd.	1/6/09	18.6	5.15	84.6	99.7	
PC8	Ponchatoula @ Robertson Rd.	1/20/09	11	6.31		22.8	
PC8	Ponchatoula @ Robertson Rd.	2/3/09	11.8	8.3	151.6	80	
PC8	Ponchatoula @ Robertson Rd.	2/17/09	12.8	6.63	173.9	36.3	
PC8	Ponchatoula @ Robertson Rd.	3/3/09	13	9.07	146.8	17	
PC8	Ponchatoula @ Robertson Rd.	3/17/09	16.5	6.22	67.3	52.4	
PC8	Ponchatoula @ Robertson Rd.	3/27/09	18.8	6.28	30.6	140	
PC8	Ponchatoula @ Robertson Rd.	3/31/09	18.5	5.19	106	41.3	
PC8	Ponchatoula @ Robertson Rd.	4/13/09	19.2	4.79	115.2	132	
PC8	Ponchatoula @ Robertson Rd.	4/28/09	21.5	6.9	134.7	21	
PC8	Ponchatoula @ Robertson Rd.	5/12/09	22.4	5.25	152.2	41.8	
PC8	Ponchatoula @ Robertson Rd.	5/27/09	25.2	5.35	146.6	74	
PC8	Ponchatoula @ Robertson Rd.	6/9/09	27.7	6.86	152.8	72.1	
PC8	Ponchatoula @ Robertson Rd.	7/1/09	25.2	3.12	180.3	91.8	
PC8	Ponchatoula @ Robertson Rd.	7/7/09	27.6	6.33	121.1	116	
PC8	Ponchatoula @ Robertson Rd.	7/22/09	25.9	4.7	273.5	82.6	
PC8	Ponchatoula @ Robertson Rd.	8/5/09	27.6	4.57	140	69	
PC8	Ponchatoula @ Robertson Rd.	8/18/09	26.2	4.51	242.7	87.4	
PC8	Ponchatoula @ Robertson Rd.	9/11/09	23.8	4.33	286.6	129	
PC8	Ponchatoula @ Robertson Rd.	10/6/09	28.1	7.46	93.7	54.1	
PC8	Ponchatoula @ Robertson Rd.	10/20/09	17.6	7.98	721.4	75.9	
PC8	Ponchatoula @ Robertson Rd.	11/5/09	17.3	11.23	141	35.1	
PC8	Ponchatoula @ Robertson Rd.	11/17/09	12.9	7.88	133.4	66	
PC8	Ponchatoula @ Robertson Rd.	1/11/10	11.8	9.27	112.7	16.9	

Site	Station name	Date	Temp (°C)	DO (mg/L)	Spec Cond	Turbid (NTU)	pH
PC8	Ponchatoula @ Robertson Rd.	1/25/10	16.7	9.94	102.4	27.1	
PC8	Ponchatoula @ Robertson Rd.	2/9/10	10.9	81.7	44.2		
PC8	Ponchatoula @ Robertson Rd.	2/22/10	15.1	7.83	59.2		
PC8	Ponchatoula @ Robertson Rd.	3/8/10	15.5	12.7	104.9	14.4	
PC8	Ponchatoula @ Robertson Rd.	3/23/10	15.4	11.42	107.4	10.43	
YW4	Yellow Water @ Wardline Rd.	1/2/06	20.5	5.94	274.6	17.6	
YW4	Yellow Water @ Wardline Rd.	1/17/06	15.1	7.78	233.6	27.2	
YW4	Yellow Water @ Wardline Rd.	1/30/06	18.1	5.18	189.1	45.1	
YW4	Yellow Water @ Wardline Rd.	2/13/06	8.6	9.52	160.5	35.4	
YW4	Yellow Water @ Wardline Rd.	3/6/06	17.4	7.67	197.8	17.9	
YW4	Yellow Water @ Wardline Rd.	3/20/06	19.7	6.99	218.8	15.3	
YW4	Yellow Water @ Wardline Rd.	4/3/06	22.6	6.89	245.5	16.8	
YW4	Yellow Water @ Wardline Rd.	4/17/06	24.6	7.97	261.4	14.6	
YW4	Yellow Water @ Wardline Rd.	4/24/06	23.3	6	268.3	11.8	
YW4	Yellow Water @ Wardline Rd.	5/8/06	23.7	5.78	140.1	49.4	
YW4	Yellow Water @ Wardline Rd.	5/22/06	25.9	7.39	226.8	13.4	
YW4	Yellow Water @ Wardline Rd.	6/5/06	25.1	6.15	247.6	11.4	
YW4	Yellow Water @ Wardline Rd.	6/19/06	27.5	6.81	245.9	9.38	
YW4	Yellow Water @ Wardline Rd.	7/17/06	29	6.25	359.1	13.2	
YW4	Yellow Water @ Wardline Rd.	8/14/06	28.4	4.27	236.8	33.3	
YW4	Yellow Water @ Wardline Rd.	8/29/06	28.1	4.3	231	44	
YW4	Yellow Water @ Wardline Rd.	9/11/06	25.7	5.46	118.9	56.9	
YW4	Yellow Water @ Wardline Rd.	9/18/06	26.6	6.5	218.6	177	
YW4	Yellow Water @ Wardline Rd.	10/9/06	20.9	6.36	292.7	15.9	
YW4	Yellow Water @ Wardline Rd.	10/23/06	18.6	6.5	309.5	11.9	
YW4	Yellow Water @ Wardline Rd.	11/13/06	17.7	7.04	426.9	12.6	
YW4	Yellow Water @ Wardline Rd.	12/5/06	30	8.04	247.5	20.5	
YW4	Yellow Water @ Wardline Rd.	1/22/07	13.8	8.25	56.7	50.2	
YW4	Yellow Water @ Wardline Rd.	1/30/07	9.9	7.97	121.4	33.4	
YW4	Yellow Water @ Wardline Rd.	2/12/07	13.4	8.11		16.7	7.5
YW4	Yellow Water @ Wardline Rd.	2/27/07	17.4	9.9	183.4	11.2	
YW4	Yellow Water @ Wardline Rd.	3/19/07	17.3	6.55	183.5	19	7.3
YW4	Yellow Water @ Wardline Rd.	3/26/07	22.2	6.43	201.4	11.6	
YW4	Yellow Water @ Wardline Rd.	4/24/07	23.5	6.66	212.5	10.7	
YW4	Yellow Water @ Wardline Rd.	5/7/07	23.3	5.25	156.3	21.8	
YW4	Yellow Water @ Wardline Rd.	5/21/07	23.7	7.54	207.2	11.3	
YW4	Yellow Water @ Wardline Rd.	6/13/07	25.4	5		37.2	7.1
YW4	Yellow Water @ Wardline Rd.	6/25/07	27.4	6.99	204.2	11.4	
YW4	Yellow Water @ Wardline Rd.	7/2/07	27.3	2.7	248.8	18	7.45
YW4	Yellow Water @ Wardline Rd.	7/17/07	24.6	6.29	134.7	21	7.39
YW4	Yellow Water @ Wardline Rd.	7/31/07	25.9	5.77	117.6	43.1	
YW4	Yellow Water @ Wardline Rd.	8/14/07	28.5	4.95	212.5	9.57	
YW4	Yellow Water @ Wardline Rd.	9/11/07	27.1	4.76	243.8	11.3	
YW4	Yellow Water @ Wardline Rd.	9/25/07	26.3	3.7	286.2	10.7	
YW4	Yellow Water @ Wardline Rd.	10/9/07	25.6	5.1	130.9	39.9	
YW4	Yellow Water @ Wardline Rd.	10/23/07	19.3	6.01	47.5	124	
YW4	Yellow Water @ Wardline Rd.	11/6/07	18.7	8.22	219.3	13.8	
YW4	Yellow Water @ Wardline Rd.	11/20/07	20.6	7.61	0.3	11.4	

Site	Station name	Date	Temp (°C)	DO (mg/L)	Spec Cond	Turbid (NTU)	pH
YW4	Yellow Water @ Wardline Rd.	12/4/07	12.7	8.59	232.6	10.1	
YW4	Yellow Water @ Wardline Rd.	12/18/07	12.5	9.23	222.2	9.28	
YW4	Yellow Water @ Wardline Rd.	1/2/08	8	9.71	139.2	49.6	
YW4	Yellow Water @ Wardline Rd.	1/29/08	15.1	9.51	0.1	25.8	
YW4	Yellow Water @ Wardline Rd.	2/12/08	20.5	5.76	183.9	23.7	
YW4	Yellow Water @ Wardline Rd.	2/26/08	18	6.63	142.4		
YW4	Yellow Water @ Wardline Rd.	4/7/08	21	6.95	131.5	27	
YW4	Yellow Water @ Wardline Rd.	4/22/08	20.9	5.66	217.6	17.7	7.15
YW4	Yellow Water @ Wardline Rd.	5/7/08	21.1	7.09	114.5		6.92
YW4	Yellow Water @ Wardline Rd.	5/20/08	23	6.93	126.9	264	
YW4	Yellow Water @ Wardline Rd.	6/3/08	26	5.87	182.5	8.68	7.02
YW4	Yellow Water @ Wardline Rd.	6/17/08	26.2	2.86	249.4	15.7	7.04
YW4	Yellow Water @ Wardline Rd.	7/1/08	24.4	4.8	222.3	19	6.8
YW4	Yellow Water @ Wardline Rd.	7/15/08	25.1	5.03	191.8	32	6.85
YW4	Yellow Water @ Wardline Rd.	7/29/08	27.9	3.1	262.1	24.4	7.09
YW4	Yellow Water @ Wardline Rd.	8/13/08	24.6	6.44	61.9	384	
YW4	Yellow Water @ Wardline Rd.	8/26/08	24.5	5.77	133.3	261	6.85
YW4	Yellow Water @ Wardline Rd.	9/9/08	24.9	5.45	167.4	18.6	
YW4	Yellow Water @ Wardline Rd.	9/24/08	22.7	6.62	152.4	19.9	7.15
YW4	Yellow Water @ Wardline Rd.	10/7/08	24.4	6.87	225	18.8	7.05
YW4	Yellow Water @ Wardline Rd.	10/21/08	17.7	7.88	220.1	18.5	
YW4	Yellow Water @ Wardline Rd.	11/4/08	15.8	7.89	262.2	23.1	
YW4	Yellow Water @ Wardline Rd.	11/18/08	12.4	9.86	232.8	14.1	
YW4	Yellow Water @ Wardline Rd.	12/2/08	10.6	9.27	238.9	20	
YW4	Yellow Water @ Wardline Rd.	12/16/08	14.4	8.34	116.6	65.6	
YW4	Yellow Water @ Wardline Rd.	12/30/08	14	12.41	155.7	27.6	
YW4	Yellow Water @ Wardline Rd.	1/6/09	19.1	7.33	101	57.7	
YW4	Yellow Water @ Wardline Rd.	1/20/09	9.7	8.49	195.3	18.8	
YW4	Yellow Water @ Wardline Rd.	2/3/09	11.3	9.87	157.1	45.6	
YW4	Yellow Water @ Wardline Rd.	2/17/09	13.4	10.06	188	24.9	
YW4	Yellow Water @ Wardline Rd.	3/3/09	12.3	12.04	236.3	12.3	
YW4	Yellow Water @ Wardline Rd.	3/17/09	17.1	7.07	77.2	61.5	
YW4	Yellow Water @ Wardline Rd.	3/27/09	18.9	6.23	40.5	159	
YW4	Yellow Water @ Wardline Rd.	3/31/09	19.7	7.22	131.4	34.5	
YW4	Yellow Water @ Wardline Rd.	4/13/09	20.1	5.89	126.4	116	
YW4	Yellow Water @ Wardline Rd.	4/28/09	22.1	8.78	179.4	30.7	
YW4	Yellow Water @ Wardline Rd.	5/12/09	23.9	7.5	185.9	24	
YW4	Yellow Water @ Wardline Rd.	5/27/09	26	7.33	181.5	34.7	
YW4	Yellow Water @ Wardline Rd.	6/9/09	27.5	8.66	194.5	14.8	
YW4	Yellow Water @ Wardline Rd.	7/1/09	25.9	6.72	228.7	20.4	
YW4	Yellow Water @ Wardline Rd.	7/7/09	27.1	6.75	127.9	78.3	
YW4	Yellow Water @ Wardline Rd.	7/22/09	26.3	8.79	229.1	15.6	
YW4	Yellow Water @ Wardline Rd.	8/5/09	28	6.4	257.7	29.8	
YW4	Yellow Water @ Wardline Rd.	9/22/09	27.3	6.52	194.2	32	
YW4	Yellow Water @ Wardline Rd.	10/6/09	25.5	6.98	83		
YW4	Yellow Water @ Wardline Rd.	10/20/09	16.6	9.5	147.3	21.5	
YW4	Yellow Water @ Wardline Rd.	11/5/09	17.2	11.07	171.4	17.2	
YW4	Yellow Water @ Wardline Rd.	11/17/09	15.2	8.49	186.5	29	

Site	Station name	Date	Temp (°C)	DO (mg/L)	Spec Cond	Turbid (NTU)	pH
YW4	Yellow Water @ Wardline Rd.	1/11/10	9.3	9.49	144.4	18.1	
YW4	Yellow Water @ Wardline Rd.	1/25/10	15.1	10.1	99.6	33.2	
YW4	Yellow Water @ Wardline Rd.	2/9/10	11	8.54	41.8		
YW4	Yellow Water @ Wardline Rd.	2/22/10	14.6	8.16	38.5		
YW4	Yellow Water @ Wardline Rd.	3/8/10	15.5	8.26	123.6	18	
YW4	Yellow Water @ Wardline Rd.	3/23/10	15	11.9	141.7	8.9	

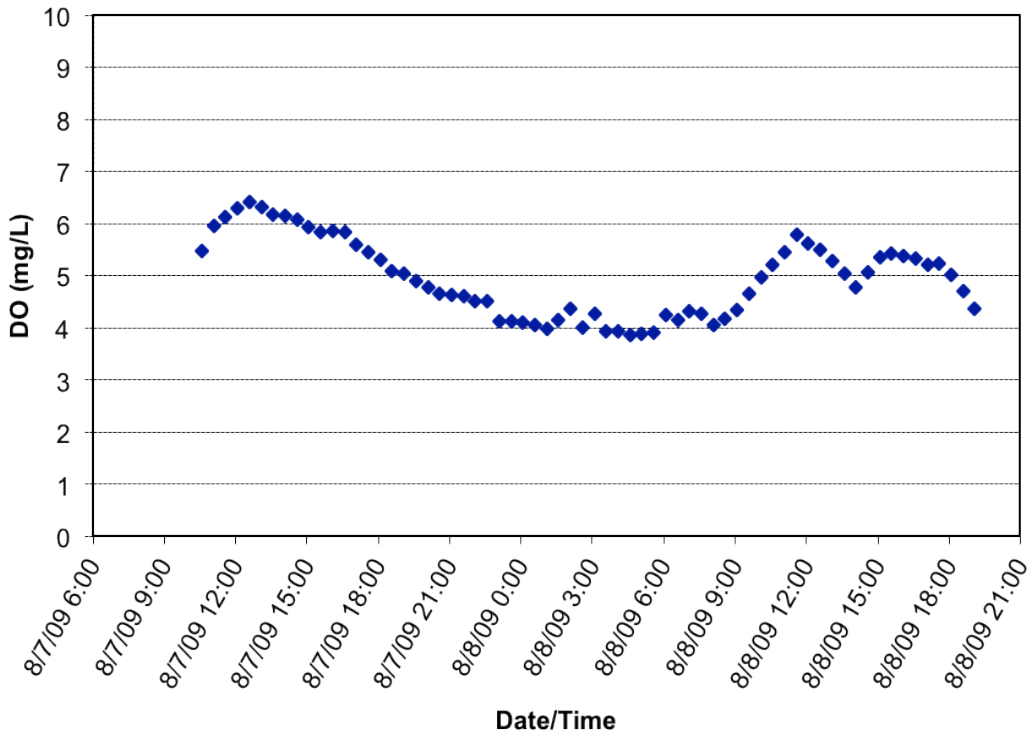

Figure B-1. Continuous dissolved oxygen data observed at Ponchatoula Creek at LA Hwy 190 at station PON-4.

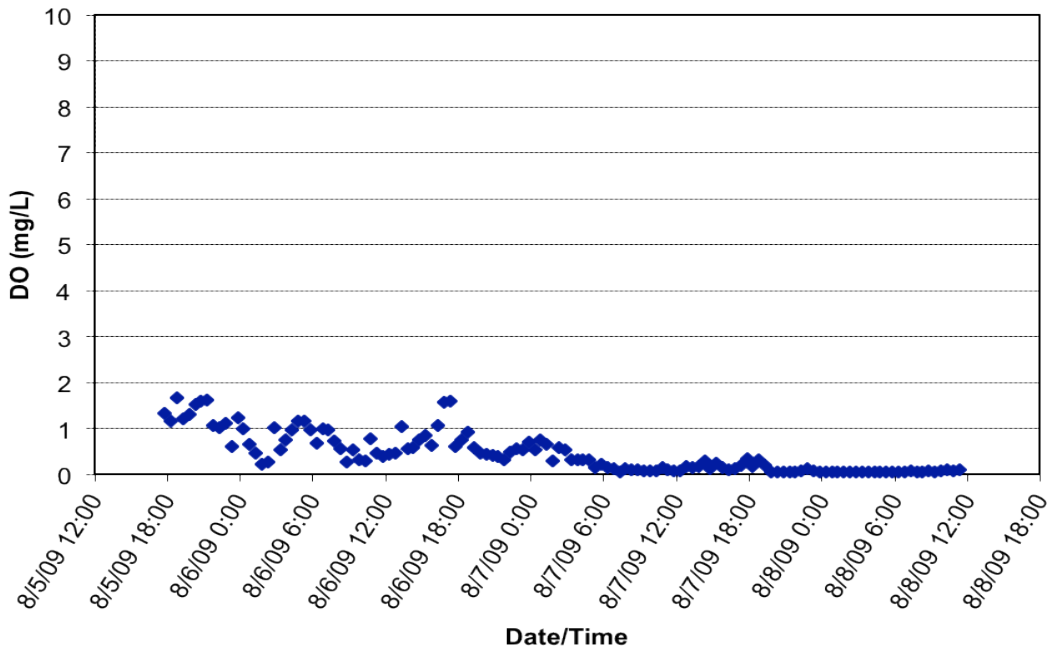

Figure B-2. Continuous dissolved oxygen data observed at Ponchatoula Creek at LA Hwy 22 at station PON-9.

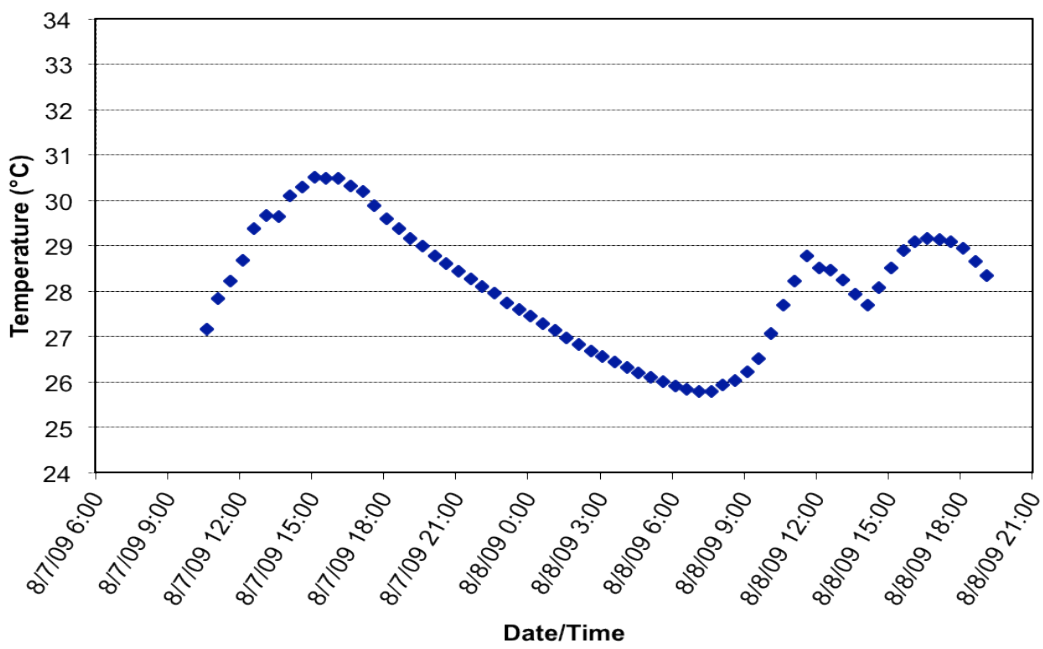

Figure B-3. Continuous temperature data observed at Ponchatoula Creek at LA Hwy 190 at station PON-4.

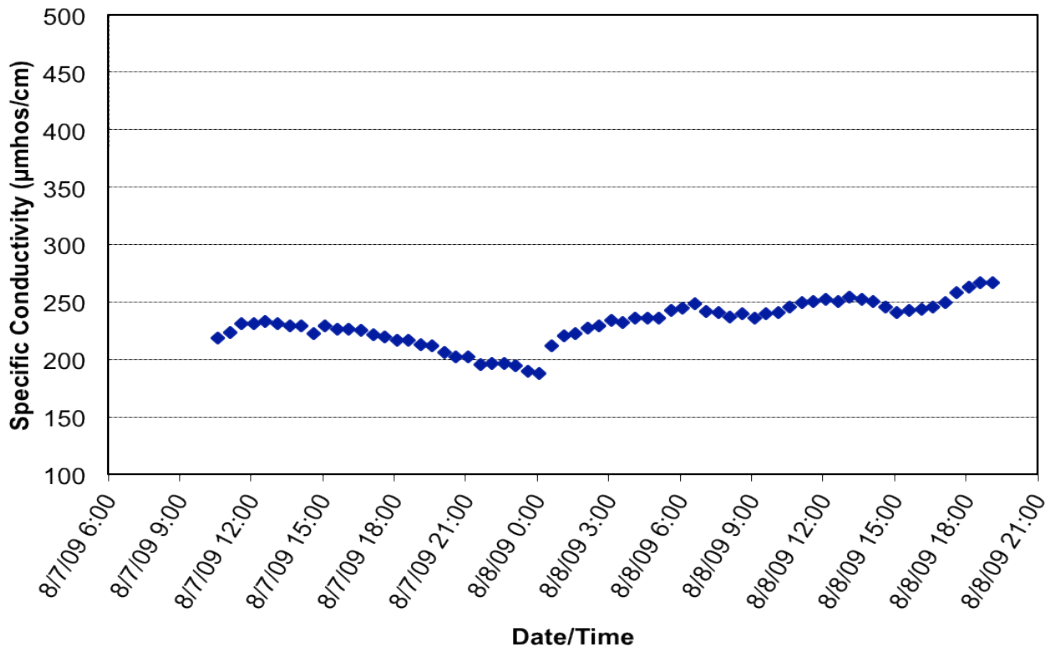

Figure B-4. Continuous specific conductivity data observed at Ponchatoula Creek at LA Hwy 190 at station PON-4.

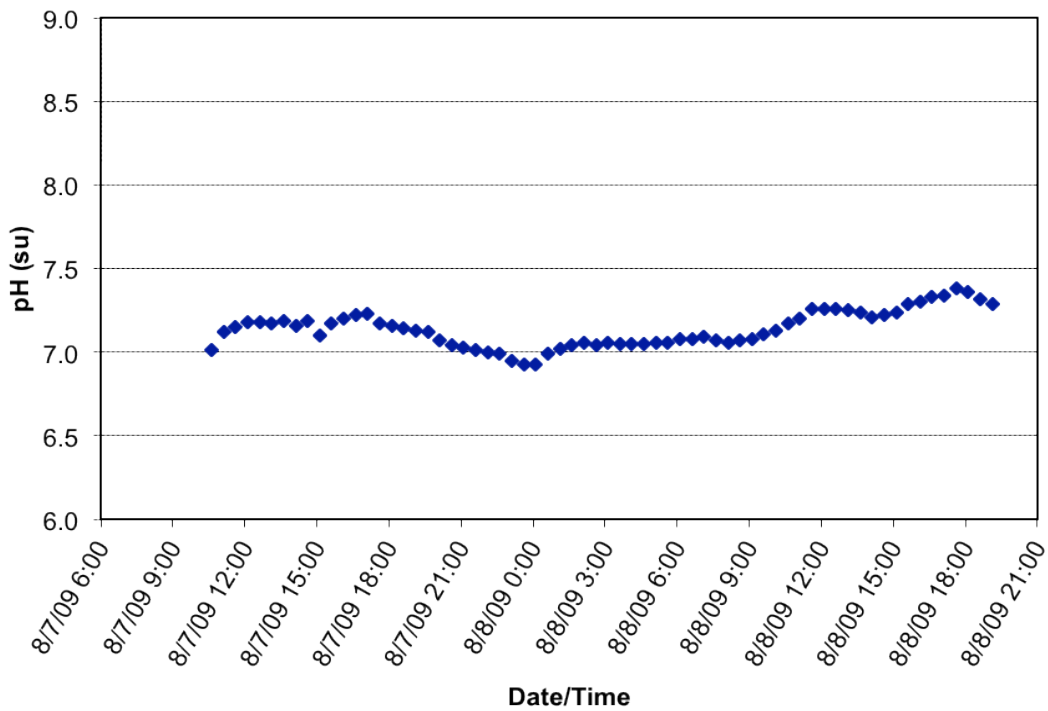

Figure B-5. Continuous pH data observed at Ponchatoula Creek at LA Hwy 190 at station PON-4.

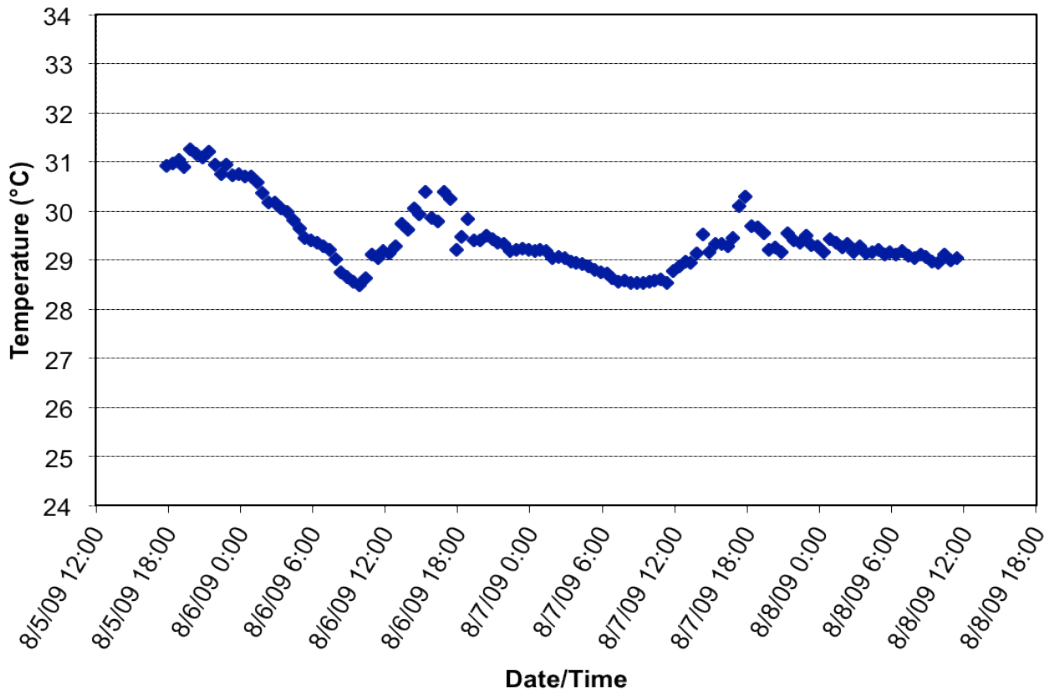

Figure B-6. Continuous temperature data observed at Ponchatoula Creek at LA Hwy 22 at station PON-9.

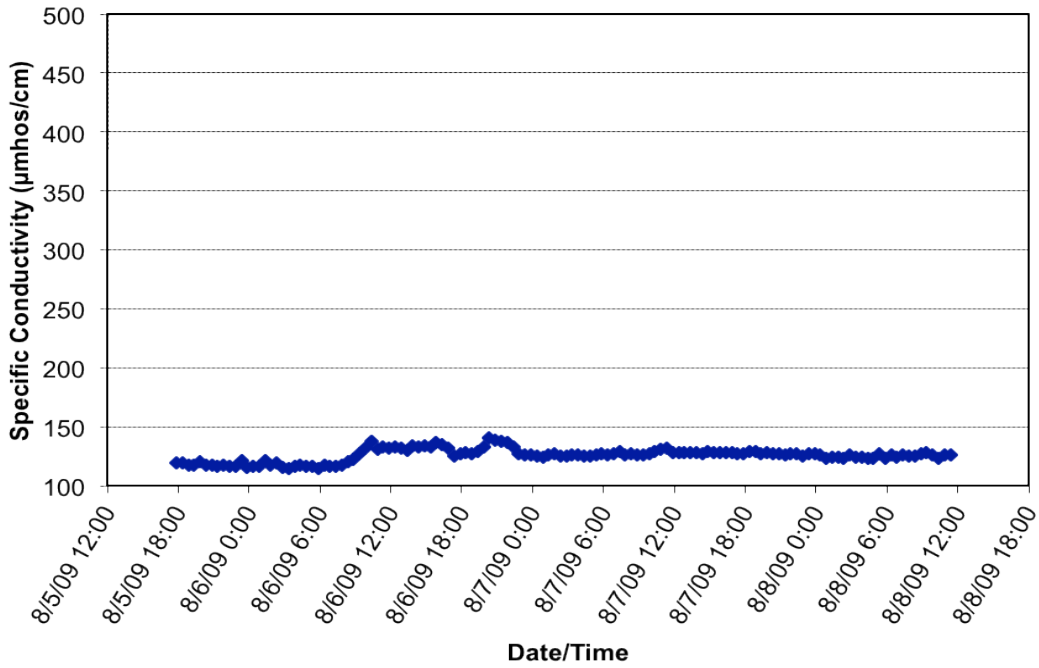

Figure B-7. Continuous specific conductivity data observed at Ponchatoula Creek at LA Hwy 22 at station PON-9.

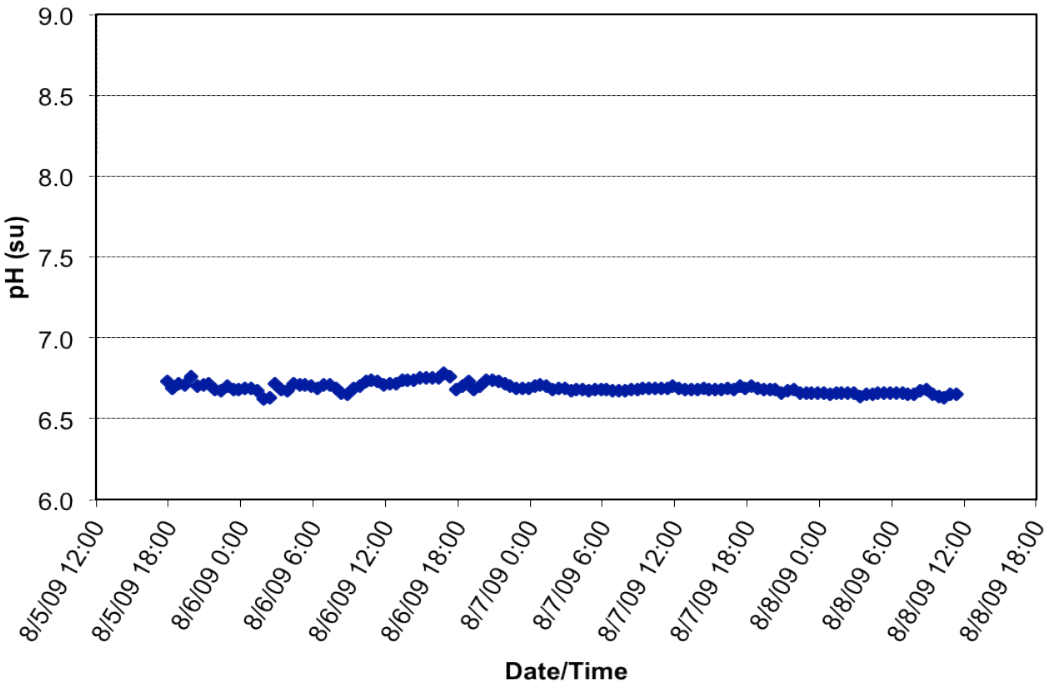

Figure B-8. Continuous pH data observed at Ponchatoula Creek at LA Hwy 22 at station PON-9.

APPENDIX C:
Field Survey Notes

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: Pon-4 Date/time: 8/7/09 10:00 Crew: EJH/JWB

Description of measurement location (position relative to landmarks and horizontal position): inbetween 2 Bridges

GPS coordinates: 30.50450 90.57653

Wind speed (mph) and direction wind is coming from: 0 mph

General appearance of water (including vegetation, if any): smelly Brown

Sample collected? (Yes) No Number of sample bottles: 9

Sample depth (m): .4 Total depth (m): .5 Apparatus used: Staff & VD

QA/QC sample collected? Yes (No) Type: Dup Blank ID: ——

Cross section measured? (Yes) No Method (circle one): ADCP GPSFath (SurvRod)

Flow measured? Yes (No) Method (circle one): ADCP MMcB Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: mini sond 4a Secchi depth (specify units): na

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)
.4	27.09	223.9	5.92	6.95

Comments / Problems encountered (if any) / Corrective action (if any):

Trash is everywhere, including tires, rubbage, & random pipes that discharge storm H_2O from the roads.

FTN Associates, LTD.
Physical Characterization - Worksheet

I. General

Date/Time 8/7/09 10:20
Observer EH / JNB
Project No.

Stream PON-4
Transect No.
Picture No.

II. In-Situ Data

Dissolved Oxygen, mg/L 5.92
Temperature, C 27.9
Conductivity, uhmos 223.0
pH, su 6.95
ORP, mv

III. Physical Characterization

Stream Width, ft 13.0 ft.
Channel Width, ft
Pool Length, ft
Riffle/Run Length, ft
Tape Down (ft)
GPS 30.50450 90.57653

Transect Reading	Tape Reading from LB/RB	Depth (ft)	Section Length (ft)	Area (ft2)	Velocity (fs)	Area Flow (cfs)	Comments
1	0	0.25					
2	1	0.32					
3	2	0.50					
4	3	0.45					
5	4	0.4					
6	5	0.5					
7	6	0.1					
8	7	0					
9	8	0.2					
10	9	0.3					
11	10	0.4					
12	11	0.3					
13	12	0.4					
14	13	0					
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
Totals	0		0			0.000	cfs
						0	gpm

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: Yell-5 Date/time: 8/5/09 11:00 Crew: EJH/JWB

Description of measurement location (position relative to landmarks and horizontal position):

GPS coordinates: 30.43931 90.49625

Wind speed (mph) and direction wind is coming from: na 0mph

General appearance of water (including vegetation, if any): heavy Brownish

Sample collected? (Yes) No Number of sample bottles: 9

Sample depth (m): ~1m Total depth (m): Unknown Apparatus used: Staff & VD

QA/QC sample collected? Yes (No) Type: Dup Blank ID: ——

Cross section measured? Yes (No) Method (circle one): ADCP GPSFath SurvRod

Flow measured? Yes (No) Method (circle one): ADCP MMcB Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: mini sond 4a Secchi depth (specify units): na

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)
~1m	30.25	253.4	5.33	7.05

Comments / Problems encountered (if any) / Corrective action (if any):

Sharp sides of channel made for difficult access to the river, thus no X-section, flow, depth, or secchi measurments were taken

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: Pon-9 Date/time: 8/5/09 14:10 Crew: EJH/JWB

Description of measurement location (position relative to landmarks and horizontal position): underpath bridge on the LB.

GPS coordinates: 30.43985 90.48272

Wind speed (mph) and direction wind is coming from: 0 mph

General appearance of water (including vegetation, if any): Muddy Brown mess

Sample collected? (Yes) No Number of sample bottles: 9

Sample depth (m): 1m Total depth (m): 4.1ft = 1.25m Apparatus used: Staff & VD

QA/QC sample collected? Yes (No) Type: Dup Blank ID: ——

Cross section measured? Yes (No) Method (circle one): ADCP GPSFath SurvRod

Flow measured? Yes (No) Method (circle one): ADCP MMcB Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: mini sond 4a Secchi depth (specify units): na

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)
0.5m	33.89	114.0	5.12	6.79

Comments / Problems encountered (if any) / Corrective action (if any):

This stream was covered in green organic stuff & had a area where trash was dumped. There was quite a bit of particulates, like clay, suspended.

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: Pon-8 Date/time: 8/5/09 18:59 Crew: JWB/EJH

Description of measurement location (position relative to landmarks and horizontal position): This area is unacessable due to fencing & extreme brush cover.

GPS coordinates: ——

Wind speed (mph) and direction wind is coming from: 0 mph

General appearance of water (including vegetation, if any):

Sample collected? Yes (No) Number of sample bottles: ——

Sample depth (m): —— Total depth (m): —— Apparatus used: ——

QA/QC sample collected? Yes (No) Type: Dup Blank ID:

Cross section measured? Yes (No) Method (circle one): ADCP GPSFath SurvRod

Flow measured? Yes (No) Method (circle one): ADCP MMcB Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: —— Secchi depth (specify units): ——

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)

Comments / Problems encountered (if any) / Corrective action (if any):

No insitu masurment bc. we were unable to make it to the water due to brush & fences.

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: E-PON-1 Date/time: 8/7/09 11:20 Crew: EJH/JWB

Description of measurement location (position relative to landmarks and horizontal position): No way for us to get in = Mashetti ? Narrow creek w/out any flow

GPS coordinates: 30.50450 90.51653

Wind speed (mph) and direction wind is coming from: 0 mph

General appearance of water (including vegetation, if any): Dark Brown murky

Sample collected? (Yes) No Number of sample bottles: 9

Sample depth (m): 1 ft. Total depth (m): 2 ft. = 0.609 m Apparatus used: Staff & VP

QA/QC sample collected? Yes (No) Type: Dup Blank ID: —

Cross section measured? (Yes) No Method (circle one): ADCP GPSFath (SurvRod)

Flow measured? (Yes) No Method (circle one): ADCP (MMcB) Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: Data Sond Mini 4a Secchi depth (specify units): na

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)
.5	25.82	135.4	3.32	6.54

Comments / Problems encountered (if any) / Corrective action (if any):

Quite a small Tributary with murky water that looks to be Stagnant.

FTN Associates, LTD.
Physical Characterization - Worksheet

I. General

Date/Time 8/7/09 11:15
Observer JWB/EH
Project No.

Stream EPON-1
Transect No.
Picture No.

II. In-Situ Data

Dissolved Oxygen, mg/L 3.32
Temperature, C 25.82
Conductivity, uhmos 139.4
pH, su 6.54
ORP, mv

III. Physical Characterization

Stream Width, ft 12.7
Channel Width, ft
Pool Length, ft
Riffle/Run Length, ft
Tape Down (ft)
GPS 30.50450 90.57653

Transect Reading	Tape Reading from LB/RB	Depth (ft)	Section Length (ft)	Area (ft2)	Velocity (fs)	Area Flow (cfs)	Comments
1	0	1.2			0.04		
2	2	1.2			0.14		
3	4	2.0			0.07		
4	6	2.0			0.11		
5	8	1.0			0.13		
6	10	1.0			0.05		
7	12.7	0					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
Totals	0		0			0.000	cfs
						0	gpm

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: Pon3 Date/time: 8/7/09 12:30 Crew: JNB/SH

Description of measurement location (position relative to landmarks and horizontal position): Underneath Bridge on a University Park with a road down stream.

GPS coordinates: 30.50450 90.57653

Wind speed (mph) and direction wind is coming from: 2 mph

General appearance of water (including vegetation, if any): Slimy green w/ algae

Sample collected? (Yes) No Number of sample bottles: 9

Sample depth (m): .5 Total depth (m): .7 Apparatus used: Staff & VD

QA/QC sample collected? Yes (No) Type: Dup Blank ID:

Cross section measured? (Yes) No Method (circle one): ADCP GPSFath (SurvRod)

Flow measured? (Yes) No Method (circle one): ADCP (MMcB) Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: Mina Sond 4a Secchi depth (specify units): na

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)
.5	32.61	267.7	7.82	8.22

Comments / Problems encountered (if any) / Corrective action (if any):
The water looks to be extreamly poluted. It has areas of dense algae and large spots of oil sheen

FTN Associates, LTD.
Physical Characterization - Worksheet

I. General

Date/Time 8/7/09 1230
Observer JWB/GH
Project No.

Stream PON-3
Transect No.
Picture No.

II. In-Situ Data

Dissolved Oxygen, mg/L 7.82
Temperature, C 32.61
Conductivity, uhmos 267
pH, su 8.22
ORP, mv

III. Physical Characterization

Stream Width, ft 10.1
Channel Width, ft
Pool Length, ft
Riffle/Run Length, ft
Tape Down (ft)
GPS 30 50450 90.57653

Transect Reading	Tape Reading from LB/RB	Depth (ft)	Section Length (ft)	Area (ft2)	Velocity (fs)	Area Flow (cfs)	Comments
1	0	0			0		
2	1	0.3			0.01		
3	2	0.3			0.0		
4	3	0.5			0.05		
5	4	0.2			0.01		
6	5	0.3			0.02		
7	6	0.4			0.02		
8	7	0.35			0.08		
9	8	0.3			0.0		
10	9	0.2			0.0		
11	10.1	0			0		
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
Totals	0		0			0.000	cfs
						0	gpm

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: Pon-1 Date/time: 8/7/09 15:00 Crew: JWB/EHT

Description of measurement location (position relative to landmarks and horizontal position):

GPS coordinates: 30.50450 90.57653

Wind speed (mph) and direction wind is coming from: 0 mph

General appearance of water (including vegetation, if any): Clear w/ Yellow tint

Sample collected? (Yes) No Number of sample bottles:

Sample depth (m): 0.6 ft Total depth (m): 0.6 ft = 0.183m Apparatus used: Staff & VO

QA/QC sample collected? (Yes) No Type: (Dup) Blank ID: QA-7

Cross section measured? (Yes) No Method (circle one): ADCP GPSFath (SurvRod)

Flow measured? (Yes) No Method (circle one): ADCP (MMcB) Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: Secchi depth (specify units):

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)
.5	30.03	1244	7.43	6.71

Comments / Problems encountered (if any) / Corrective action (if any):

Dup QA-7 15:15

FTN Associates, LTD.
Physical Characterization - Worksheet

I. General

Date/Time 8/7/09 15:00
Observer JWB/SH
Project No.

Stream Panchatoula
Transect No. Pan-1
Picture No.

II. In-Situ Data

Dissolved Oxygen, mg/L 7.43
Temperature, C 20.03
Conductivity, uhmos 124.4
pH, su 6.71
ORP, mv

III. Physical Characterization

Stream Width, ft 9 ft
Channel Width, ft
Pool Length, ft
Riffle/Run Length, ft
Tape Down (ft)
GPS

Transect Reading	Tape Reading from LB/RB	Depth (ft)	Section Length (ft)	Area (ft2)	Velocity (fs)	Area Flow (cfs)	Comments
1	0 ft	0			0		
2	1 "	0.3			0.14		
3	2	0.6			0.74		
4	3	0.55			0.81		
5	4	0.60			0.70		
6	5	0.45			0.72		
7	6	0.3			0.62		
8	7	0.21			0.57		
9	8	0.1			0.25		
10	9	0			0		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
Totals	0		0			0.000	cfs
						0	gpm

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: PTS-1 Date/time: 8/7/09 16:00 Crew: JNB/EJH

Description of measurement location (position relative to landmarks and horizontal position): Off HWY 51 across the street from the Dollar General & Fellowship church in a drainage ditch.

GPS coordinates: 30.50450 90.59653

Wind speed (mph) and direction wind is coming from: 0 mph

General appearance of water (including vegetation, if any): Brown Murky extremly filled w/sediment & mold/algae

Sample collected? (Yes) No Number of sample bottles:

Sample depth (m): .7 ft Total depth (m): .9 ft = 0.274 m Apparatus used: Staff & VP

QA/QC sample collected? Yes (No) Type: Dup Blank ID:

Cross section measured? (Yes) No Method (circle one): ADCP GPSFath (SurvRod)

Flow measured? (Yes) No Method (circle one): ADCP (MMcB) Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: Mini Sond 4a Secchi depth (specify units): na

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)
.5	26.80	109.1	[illegible]	6.54
			0.56	

Comments / Problems encountered (if any) / Corrective action (if any):

- oil sheen
- Stagnant gross water.
- lots of trash.

FTN Associates, LTD.
Physical Characterization - Worksheet

I. General

Date/Time 8/7/09 16:15
Observer JNB/SH
Project No.

Stream PTS-1
Transect No.
Picture No.

II. In-Situ Data

Dissolved Oxygen, mg/L 0.56
Temperature, C 26.80
Conductivity, uhmos 109.1
pH, su 6.54
ORP, mv

III. Physical Characterization

Stream Width, ft 3.25 ft.
Channel Width, ft
Pool Length, ft
Riffle/Run Length, ft
Tape Down (ft)
GPS 30.50450
90.57653

Transect Reading	Tape Reading from LB/RB	Depth (ft)	Section Length (ft)	Area (ft2)	Velocity (fs)	Area Flow (cfs)	Comments
1	0	0.9			0.02		
2	1	0.5		6	0.05		
3	2	0.4			0.03		
4	3	0.2			0.024		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
Totals	0		0			0.000	cfs
						0	gpm

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: PON-6 Date/time: 8/7/09 19:15 Crew: JWB/JH

Description of measurement location (position relative to landmarks and horizontal position): Upstream of bridge at the intersection of Pon. & Range Rd.

GPS coordinates: 30.576919 90.51022

Wind speed (mph) and direction wind is coming from: 2mph

General appearance of water (including vegetation, if any): Clear w/ yellow tint

Sample collected? (Yes) No Number of sample bottles: 9

Sample depth (m): 0.5ft 0.15m Total depth (m): 0.8ft = 0.244m Apparatus used: Staff & VD

QA/QC sample collected? Yes (No) Type: Dup Blank ID: ——

Cross section measured? (Yes) No Method (circle one): ADCP GPSFath (SurvRod)

Flow measured? Yes (No) Method (circle one): ADCP MMcB Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: Mini DataSond 4a Secchi depth (specify units): na

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)
.15(m)	32.83	3.15.9	7.00	7.96

Comments / Problems encountered (if any) / Corrective action (if any):

QA-B is a blank sample taken at 19.55.

FTN Associates, LTD.
Physical Characterization - Worksheet

I. General

Date/Time 8/7/09 19:15
Observer JWB/EJH
Project No.

Stream PON-6
Transect No.
Picture No.

II. In-Situ Data

Dissolved Oxygen, mg/L 7.00
Temperature, C 32.83
Conductivity, uhmos 315.9
pH, su 7.96
ORP, mv

III. Physical Characterization

Stream Width, ft 8 ft.
Channel Width, ft
Pool Length, ft
Riffle/Run Length, ft
Tape Down (ft)
GPS 30.57699 90.51022

Transect Reading	Tape Reading from LB/RB (ft)	Depth (ft)	Section Length (ft)	Area (ft2)	Velocity (fs)	Area Flow (cfs)	Comments
1	0	0					
2	1	0.8					
3	2	0.25					
4	3	0.28					
5	4	0.22					
6	5	0.2					
7	6	0.12					
8	7	0.05					
9	8	0					
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
Totals	0		0			0.000	cfs
						0	gpm

FIELD SHEET FOR LAKE PONTCHARTRAIN BASIN DO TMDLs

Page _____ of _____

Site ID: Vell-1 Date/time: 8/8/09 9:20 Crew: JWB/EJH

Description of measurement location (position relative to landmarks and horizontal position): Under Hwy I-55 Bridge Slightly upstream of Bridge

GPS coordinates: 30.50468 90.46305

Wind speed (mph) and direction wind is coming from: 7-10 mph

General appearance of water (including vegetation, if any): Fairly Clear, flowing, Shallow

Sample collected? (Yes) No Number of sample bottles: 9

Sample depth ~~(m)~~: 0.5 ft Total depth (m): 0.7 ft = 0.213 m Apparatus used: Staff

QA/QC sample collected? Yes (No) Type: Dup Blank ID: ____

Cross section measured? (Yes) No Method (circle one): ADCP GPSFath (SurvRod)

Flow measured? (Yes) No Method (circle one): ADCP (MMcB) Drogue

ADCP flows for each run (m3/sec):	Run 1:	Run 3:	Run 5:
	Run 2:	Run 4:	Run 6:

In situ meter used: Mini Data Sond 4a Secchi depth (specify units): na

Depth (m)	Temperature (C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	pH (su)
0.15	27.05	223.2	6.13	7.32

Comments / Problems encountered (if any) / Corrective action (if any):

FTN Associates, LTD.
Physical Characterization - Worksheet

I. General

Date/Time: 8/8/09 / 9:25
Observer: JWB/RJH
Project No.:

Stream: Yellow River
Transect No.: VC11-1
Picture No.:

II. In-Situ Data

Dissolved Oxygen, mg/L: 6.13
Temperature, C: 27.05
Conductivity, uhmos: 223.2
pH, su: 7.32
ORP, mv:

III. Physical Characterization

Stream Width, ft: ~~20 ft~~ 21 ft
Channel Width, ft:
Pool: Length, ft:
Riffle/Run: Length, ft:
Tape Down (ft):
GPS: 30.50468 90.46305

Transect Reading	Tape Reading from LB/RB	Depth (ft)	Section Length (ft)	Area (ft2)	Velocity (fs)	Area Flow (cfs)	Comments
1	0	0.1	0.18				
2	1	0.5	0.07				
3	2	0.6	1.12				
4	3	0.55	0.42				
5	4	0.5	0.51				
6	5	0.5	0.64				
7	6	0.5	0.62				
8	7	0.4	0.55				
9	8	0.3	0.61				
10	9	0.2	0.61				
11	10	0.1	0.28				
12	11	0.05	~~0.~~ NA				
13	12	0.05	0.43				
14	13	0.05	0.36				
15	14	0.1	0.39				
16	15	0.5	0.39				
17	16	0.15	0.49				
18	17	0.15	0.49				
19	18	0.15	0.29				
20	19	0.15	0.65				
21	20	0.20	0.45				
22	21	0.1	0.23				
23							
24							
25							
26							
27							
Totals	0		0			0.000	cfs
						0	gpm

APPENDIX D:
Model Vector Diagrams

FIGURE

Figure D-1. Vector diagram for subsegment 040505. ..... D-1

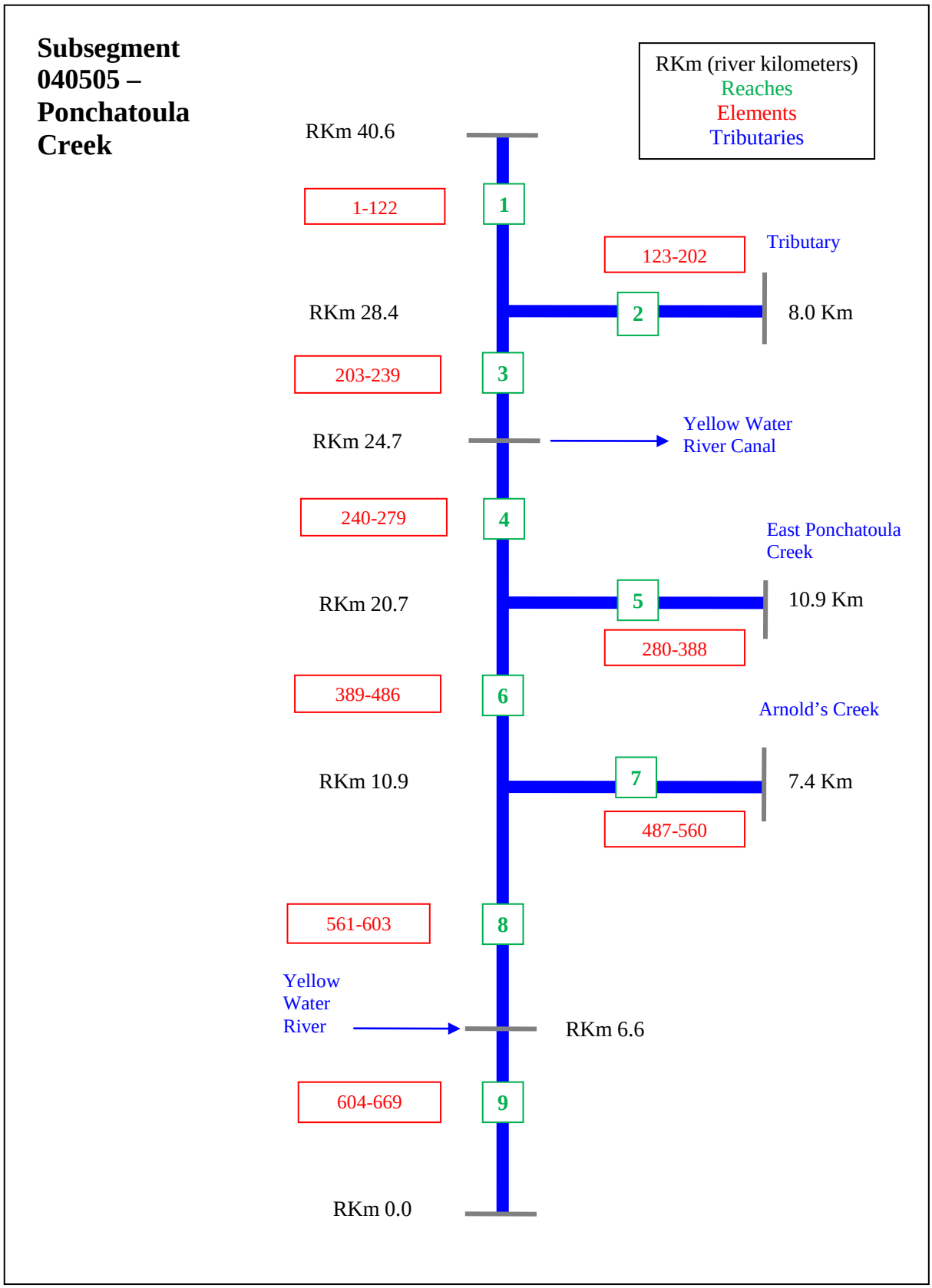

Figure D-1. Vector diagram for subsegment 040505.

APPENDIX E:
Model Calibration Output File

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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_Calib.txt
Running in steady-state mode using LA defaults
Output produced at 13:41 on 11/28/2011

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

CARD TYPE       CONTROL TITLES

TITLE01         LA-QUAL Model for Ponchatoula Creek Watershed
TITLE02         Calibration 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    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
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
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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        7.40     16.00      1.29      0.29      0.09      0.00
INCR-2            2   PT        7.40     16.00      1.29      0.29      0.09      0.00
INCR-2            3   P5        7.80      8.00      1.85      0.10      0.04      0.00
INCR-2            4   P4        7.80      8.00      1.85      0.10      0.04      0.00
INCR-2            5   EP        6.00     13.00      1.15      0.11      0.09      0.00
INCR-2            6   P3        7.00     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

$$$ DATA TYPE 18 (INCREMENTAL DATA FOR PHOSPHORUS, PHYTOPLANKTON, COLIFORM, AND NONCONSERVATIVES) $$$
                                          PHYTO
 CARD TYPE      REACH  ID         PO4     CHL A      COLI       NCM      ORGP
                                 mg/L      µg/L   #/100mL                 mg/L
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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   0.05663    1.99965   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   0.03247    1.14654   25.80     0.00     0.000     0.000     0.000
HDWTR-1         487     Arnold's Creek          0   0.05663    1.99965   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                7.40     16.00      1.29      0.30      0.07      0.00
HDWTR-2         123     Pont. Trib.                6.87     22.00      3.96      0.15      0.02      0.00
HDWTR-2         280     East Pont.                 3.30     13.00      1.15      0.11      0.09      0.00
HDWTR-2         487     Arnold's Creek             5.10     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             0.00019    0.00671    0.004   29.80     0.00     0.000     0.000
WSTLD-1      193       1.00  LAG570205             0.00369    0.13030    0.084   26.80     0.00     0.000     0.000
WSTLD-1      195       0.80  LAG533605             0.00369    0.13030    0.084   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
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             0.00181    0.06391    0.041   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
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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             0.00006    0.00212    0.001   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             0.00181    0.06391    0.041   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            0.00234    0.08263    0.053   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                   0.08000    2.82486    1.826   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     13.80      0.00      1.00      2.00      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                   4.10     33.10      0.00      2.40      4.80      0.00      2.00      0.00
WSTLD-2         239     YWRC                        4.10     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     29.00      0.00      2.10      4.20      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                   2.60     29.00      0.00      2.10      4.21      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                   3.30     48.00      0.00      3.50      6.95      0.00      2.00      0.00
WSTLD-2         452     Grp10-Rch6                  3.30     48.00      0.00      3.50      6.95      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                  2.30     74.10      0.00      5.40     10.74      0.00      2.00      0.00
WSTLD-2         584     Grp14-Rch8                  2.00     28.80      0.00      2.10      4.17      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     28.80      0.00      2.10      4.17      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                      5.300     mg/L
LOWER BC     BOD1 BIOCHEMICAL OXYGEN DEMAND       25.000     mg/L
LOWER BC     ORGANIC NITROGEN                      1.800     mg/L
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
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$$$ DATA TYPE 28 (DAM DATA) $$$

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                                                  Calibration Simulation
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ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	7.38	7.37	7.35	7.34	7.33	7.32	7.31	7.30	7.29	7.28
P6	1	11	7.28	7.27	7.27	7.26	7.26	7.25	7.25	7.25	7.25	7.24
P6	1	21	7.24	7.24	7.23	7.23	7.23	7.23	7.23	7.23	7.23	7.23
P6	1	31	7.23	7.23	7.23	7.24	7.24	7.24	7.24	7.24	7.24	7.24
P6	1	41	7.24	7.13	7.13	7.13	7.13	7.13	7.13	7.13	7.13	7.13
P6	1	51	7.13	7.13	7.14	7.14	7.14	7.14	7.14	7.14	7.14	7.15
P6	1	61	7.15	7.15	7.15	7.15	7.16	7.16	7.16	7.16	7.16	7.17
P6	1	71	7.17	7.17	7.17	7.17	7.18	7.18	7.18	7.18	7.18	7.19
P6	1	81	7.19	7.08	7.08	7.08	7.08	7.09	7.09	7.09	7.09	7.09
P6	1	91	7.09	7.09	7.08	7.08	7.09	7.09	7.09	7.10	7.10	7.10
P6	1	101	7.10	7.11	7.11	7.11	7.12	7.12	7.12	7.12	7.13	7.13
P6	1	111	7.13	7.13	7.14	7.14	7.14	7.14	7.15	7.15	7.15	7.16
P6	1	121	7.16	7.16								
P5	3	203	7.17	7.20	7.23	7.26	7.28	7.30	7.31	7.33	7.34	7.35
P5	3	213	7.34	7.35	7.36	7.37	7.37	7.38	7.39	7.37	7.38	7.38
P5	3	223	7.39	7.39	7.39	7.39	7.40	7.40	7.40	7.40	7.40	7.40
P5	3	233	7.40	7.41	7.41	7.34	7.35	7.35	7.36			
P4	4	240	7.42	7.48	7.53	7.57	7.60	7.63	7.65	7.67	7.68	7.69
P4	4	250	7.70	7.70	7.71	7.71	7.70	7.70	7.70	7.69	7.69	7.68
P4	4	260	7.67	7.66	7.66	7.65	7.64	7.63	7.62	7.61	7.59	7.58
P4	4	270	7.57	7.56	7.55	7.54	7.52	7.51	7.50	7.40	7.38	7.37
P3	6	389	5.92	6.03	6.13	6.21	6.27	6.34	6.39	6.44	6.49	6.53
P3	6	399	6.56	6.60	6.62	6.65	6.67	6.70	6.72	6.73	6.75	6.76
P3	6	409	6.78	6.79	6.80	6.81	6.82	6.83	6.84	6.84	6.85	6.86
P3	6	419	6.86	6.87	6.87	6.88	6.88	6.88	6.89	6.89	6.89	6.87

P3	6	429	6.88	6.88	6.88	6.89	6.89	6.89	6.89	6.89	6.90	6.90
P3	6	439	6.90	6.90	6.90	6.90	6.90	6.90	6.90	6.90	6.90	6.90
P3	6	449	6.90	6.90	6.90	6.89	6.89	6.89	6.89	6.89	6.89	6.89
P3	6	459	6.89	6.89	6.89	6.89	6.89	6.89	6.89	6.89	6.88	6.88
P3	6	469	6.88	6.88	6.88	6.88	6.88	6.88	6.88	6.88	6.88	6.88
P3	6	479	6.88	6.88	6.88	6.87	6.87	6.87	6.87	6.60		
P2	8	561	6.46	6.38	6.30	6.22	6.15	6.08	6.01	5.95	5.88	5.83
P2	8	571	5.77	5.71	5.66	5.61	5.56	5.51	5.47	5.42	5.38	5.34
P2	8	581	5.30	5.26	5.23	5.19	5.16	5.13	5.10	5.07	5.05	5.02
P2	8	591	5.00	4.98	4.96	4.95	4.93	4.92	4.91	4.91	4.91	4.92
P2	8	601	4.93	4.95	4.99							
P1	9	604	5.01	5.02	5.03	5.04	5.06	5.07	5.08	5.09	5.10	5.11
P1	9	614	5.13	5.14	5.15	5.16	5.17	5.18	5.19	5.20	5.21	5.22
P1	9	624	5.23	5.23	5.24	5.25	5.26	5.26	5.27	5.28	5.28	5.29
P1	9	634	5.29	5.30	5.30	5.30	5.31	5.31	5.31	5.31	5.31	5.31
P1	9	644	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.30
P1	9	654	5.30	5.30	5.30	5.30	5.29	5.29	5.29	5.29	5.29	5.29
P1	9	664	5.28	5.29	5.29	5.29	5.29	5.29				
PT	2	123	7.06	7.19	7.28	7.34	7.38	7.41	7.44	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	6.35	6.58	6.22	6.40	6.54	6.67	6.77	6.86	6.93	6.99
EP	5	280	3.53	3.73	3.90	4.05	4.18	4.29	4.38	4.46	4.53	4.59
EP	5	290	4.64	4.68	4.72	4.75	4.77	4.79	4.81	4.82	4.83	4.84
EP	5	300	4.85	4.85	4.79	4.79	4.79	4.78	4.78	4.77	4.77	4.77
EP	5	310	4.76	4.75	4.75	4.74	4.74	4.73	4.73	4.72	4.71	4.70
EP	5	320	4.70	4.69	4.68	4.68	4.67	4.66	4.66	4.65	4.64	4.64
EP	5	330	4.63	4.62	4.61	4.60	4.59	4.59	4.58	4.57	4.56	4.56
EP	5	340	4.53	4.52	4.51	4.50	4.50	4.49	4.48	4.47	4.46	4.46
EP	5	350	4.45	4.44	4.43	4.43	4.42	4.41	4.40	4.40	4.32	4.31
EP	5	360	4.31	4.30	4.30	4.29	4.29	4.28	4.28	4.27	4.27	4.26
EP	5	370	4.26	4.25	4.24	4.24	4.23	4.22	4.22	4.21	4.21	4.20
EP	5	380	4.19	4.19	4.18	4.17	4.17	4.16	4.15	4.15	4.14	
AC	7	487	5.20	5.29	5.38	5.45	5.52	5.58	5.63	5.68	5.73	5.77
AC	7	497	5.81	5.84	5.86	5.89	5.92	5.94	5.97	5.99	6.01	6.03
AC	7	507	6.05	6.07	6.08	6.10	6.11	6.12	6.14	6.15	6.16	6.17
AC	7	517	6.18	6.19	6.20	6.21	6.22	6.23	6.24	6.25	6.26	6.26
AC	7	527	6.27	6.28	6.29	6.29	6.30	6.31	6.31	6.32	6.32	6.33
AC	7	537	6.34	6.34	6.35	6.35	6.36	6.36	6.37	6.37	6.38	6.35
AC	7	547	6.35	6.35	6.35	6.36	6.36	6.36	6.37	6.37	6.37	6.38
AC	7	557	6.38	6.38	6.39	6.39						

INTERMEDIATE REPORT
Effective BOD1
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration Simulation

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	15.97	15.93	15.90	15.87	15.83	15.80	15.77	15.74	15.70	15.67
P6	1	11	15.64	15.60	15.57	15.54	15.51	15.47	15.44	15.41	15.38	15.34
P6	1	21	15.30	15.27	15.24	15.20	15.17	15.14	15.11	15.08	15.04	15.01
P6	1	31	14.98	14.95	14.92	14.88	14.85	14.82	14.79	14.76	14.73	14.69
P6	1	41	14.66	15.81	15.78	15.74	15.71	15.68	15.64	15.61	15.58	15.54
P6	1	51	15.51	15.48	15.44	15.41	15.38	15.34	15.31	15.28	15.24	15.21
P6	1	61	15.18	15.14	15.11	15.08	15.04	15.01	14.98	14.95	14.91	14.88
P6	1	71	14.85	14.81	14.78	14.75	14.72	14.68	14.65	14.62	14.59	14.55
P6	1	81	14.52	15.65	15.61	15.58	15.54	15.51	15.48	15.44	15.41	15.37
P6	1	91	15.34	15.31	15.27	15.23	15.20	15.17	15.13	15.10	15.06	15.03
P6	1	101	15.00	14.96	14.93	14.89	14.86	14.83	14.79	14.76	14.73	14.69
P6	1	111	14.66	14.63	14.59	14.56	14.53	14.49	14.46	14.43	14.39	14.36
P6	1	121	14.33	14.30								
P5	3	203	15.12	15.18	15.24	15.30	15.36	15.43	15.49	15.55	15.62	15.68
P5	3	213	16.01	16.07	16.14	16.20	16.27	16.34	16.40	16.74	16.81	16.88
P5	3	223	16.95	17.01	17.08	17.15	17.22	17.33	17.40	17.47	17.54	17.61
P5	3	233	17.68	17.75	17.83	18.31	18.39	18.46	18.53			
P4	4	240	18.29	18.06	17.83	17.60	17.37	17.15	16.93	16.71	16.50	16.29
P4	4	250	16.08	15.87	15.67	15.47	15.27	15.07	14.88	14.69	14.50	14.31
P4	4	260	14.12	13.94	13.75	13.57	13.39	13.22	13.04	12.86	12.69	12.52
P4	4	270	12.35	12.18	12.01	11.84	11.68	11.51	11.35	12.14	11.97	11.80
P3	6	389	12.34	13.24	14.06	14.81	15.67	16.29	16.86	17.38	17.88	18.33

P3	6	399	18.76	19.16	19.54	19.89	20.22	20.54	20.84	21.12	21.39	21.64
P3	6	409	21.89	22.12	22.34	22.55	22.76	22.95	23.14	23.32	23.49	23.66
P3	6	419	23.82	23.98	24.13	24.27	24.41	24.55	24.68	24.81	24.93	25.20
P3	6	429	25.32	25.43	25.53	25.64	25.74	25.84	25.94	26.04	26.13	26.22
P3	6	439	26.31	26.40	26.48	26.56	26.65	26.73	26.80	26.88	26.96	27.03
P3	6	449	27.10	27.18	27.25	27.41	27.48	27.54	27.61	27.66	27.72	27.79
P3	6	459	27.85	27.91	27.96	28.02	28.08	28.14	28.19	28.25	28.30	28.36
P3	6	469	28.41	28.46	28.51	28.56	28.62	28.67	28.72	28.76	28.81	28.86
P3	6	479	28.91	28.96	29.00	29.05	29.09	29.14	29.18	28.59		
P2	8	561	28.25	28.22	28.19	28.17	28.15	28.15	28.10	28.06	28.01	27.97
P2	8	571	27.92	27.88	27.84	27.79	27.75	27.70	27.66	27.62	27.57	27.52
P2	8	581	27.48	27.43	27.38	27.33	27.28	27.22	27.16	27.09	27.01	26.92
P2	8	591	26.82	26.70	26.56	26.39	26.18	25.93	25.61	25.21	24.71	24.07
P2	8	601	23.26	22.23	20.92							
P1	9	604	20.72	20.61	20.50	20.40	20.30	20.21	20.11	20.02	19.94	19.86
P1	9	614	19.78	19.71	19.64	19.57	19.51	19.45	19.39	19.34	19.30	19.26
P1	9	624	19.22	19.19	19.16	19.14	19.12	19.11	19.10	19.10	19.10	19.11
P1	9	634	19.12	19.14	19.16	19.20	19.23	19.28	19.33	19.38	19.45	19.52
P1	9	644	19.60	19.68	19.78	19.88	19.99	20.10	20.23	20.36	20.51	20.66
P1	9	654	20.82	21.00	21.18	21.37	21.58	21.79	22.02	22.26	22.51	22.77
P1	9	664	23.05	23.34	23.64	23.96	24.29	24.64				
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	18.14	18.07	19.87	19.82	19.77	19.71	19.66	19.60	19.55	19.49
EP	5	280	12.95	12.90	12.86	12.81	12.76	12.71	12.67	12.62	12.57	12.53
EP	5	290	12.48	12.44	12.39	12.35	12.31	12.26	12.22	12.18	12.13	12.09
EP	5	300	12.05	12.01	13.20	13.15	13.10	13.05	13.00	12.95	12.91	12.86
EP	5	310	12.81	12.76	12.72	12.67	12.62	12.58	12.53	12.49	12.44	12.43
EP	5	320	12.38	12.34	12.29	12.25	12.20	12.16	12.12	12.07	12.03	11.99
EP	5	330	11.95	11.90	11.86	11.99	11.95	11.90	11.86	11.82	11.78	11.74
EP	5	340	12.07	12.02	11.98	11.94	11.90	11.85	11.81	11.77	11.73	11.69
EP	5	350	11.65	11.60	11.56	11.52	11.48	11.44	11.40	11.36	12.08	12.04
EP	5	360	12.00	11.95	11.91	11.87	11.83	11.79	11.74	11.70	11.66	11.62
EP	5	370	11.58	11.54	11.50	11.46	11.41	11.37	11.33	11.29	11.25	11.22
EP	5	380	11.18	11.14	11.10	11.06	11.02	10.98	10.94	10.91	10.87	
AC	7	487	25.89	25.79	25.68	25.58	25.47	25.37	25.26	25.16	25.06	24.95
AC	7	497	24.85	24.75	24.58	24.48	24.38	24.28	24.18	24.08	23.98	23.88
AC	7	507	23.78	23.68	23.58	23.49	23.39	23.29	23.20	23.10	23.01	22.91
AC	7	517	22.82	22.72	22.63	22.53	22.44	22.35	22.26	22.17	22.08	21.98
AC	7	527	21.89	21.80	21.72	21.63	21.54	21.45	21.36	21.27	21.18	21.10
AC	7	537	21.01	20.93	20.84	20.76	20.67	20.59	20.51	20.42	20.34	20.63
AC	7	547	20.55	20.47	20.39	20.31	20.22	20.14	20.06	19.98	19.90	19.83
AC	7	557	19.75	19.67	19.59	19.51						

INTERMEDIATE REPORT
Biochemical Oxygen Demand
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration Simulation

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	15.81	15.77	15.74	15.71	15.67	15.64	15.61	15.58	15.54	15.51
P6	1	11	15.48	15.44	15.41	15.38	15.35	15.31	15.28	15.25	15.22	15.18
P6	1	21	15.14	15.11	15.08	15.04	15.01	14.98	14.95	14.92	14.88	14.85
P6	1	31	14.82	14.79	14.76	14.72	14.69	14.66	14.63	14.60	14.57	14.53
P6	1	41	14.50	15.65	15.62	15.58	15.55	15.52	15.48	15.45	15.42	15.38
P6	1	51	15.35	15.32	15.28	15.25	15.22	15.18	15.15	15.12	15.08	15.05
P6	1	61	15.02	14.98	14.95	14.92	14.88	14.85	14.82	14.79	14.75	14.72
P6	1	71	14.69	14.65	14.62	14.59	14.56	14.52	14.49	14.46	14.43	14.39
P6	1	81	14.36	15.49	15.45	15.42	15.38	15.35	15.32	15.28	15.25	15.21
P6	1	91	15.18	15.15	15.11	15.07	15.04	15.00	14.97	14.94	14.90	14.87
P6	1	101	14.84	14.80	14.77	14.73	14.70	14.67	14.63	14.60	14.57	14.53
P6	1	111	14.50	14.47	14.43	14.40	14.37	14.33	14.30	14.27	14.23	14.20
P6	1	121	14.17	14.14								
P5	3	203	14.84	14.79	14.73	14.67	14.62	14.56	14.51	14.46	14.41	14.35
P5	3	213	14.56	14.51	14.46	14.41	14.36	14.31	14.26	14.48	14.43	14.38
P5	3	223	14.33	14.28	14.23	14.19	14.14	14.13	14.08	14.03	13.99	13.94
P5	3	233	13.90	13.85	13.81	14.18	14.13	14.09	14.05			
P4	4	240	13.91	13.78	13.66	13.54	13.42	13.30	13.19	13.08	12.97	12.86
P4	4	250	12.76	12.66	12.56	12.47	12.38	12.29	12.20	12.11	12.03	11.95

P4	4	260	11.87	11.79	11.71	11.63	11.56	11.49	11.42	11.35	11.28	11.22
P4	4	270	11.15	11.09	11.03	10.97	10.91	10.85	10.79	11.69	11.62	11.56
P3	6	389	12.08	12.96	13.76	14.48	15.32	15.92	16.47	16.97	17.44	17.88
P3	6	399	18.28	18.66	19.02	19.35	19.66	19.95	20.23	20.49	20.74	20.97
P3	6	409	21.19	21.40	21.61	21.80	21.98	22.15	22.32	22.48	22.63	22.77
P3	6	419	22.91	23.05	23.18	23.30	23.42	23.53	23.64	23.75	23.85	24.10
P3	6	429	24.19	24.28	24.37	24.45	24.53	24.61	24.69	24.76	24.83	24.90
P3	6	439	24.97	25.04	25.10	25.16	25.22	25.28	25.34	25.39	25.45	25.50
P3	6	449	25.55	25.60	25.65	25.79	25.84	25.88	25.93	25.96	26.00	26.04
P3	6	459	26.08	26.12	26.15	26.19	26.23	26.26	26.30	26.33	26.36	26.39
P3	6	469	26.43	26.46	26.49	26.52	26.55	26.57	26.60	26.63	26.66	26.68
P3	6	479	26.71	26.73	26.76	26.78	26.81	26.83	26.86	26.24		
P2	8	561	25.91	25.88	25.86	25.85	25.84	25.84	25.80	25.77	25.73	25.69
P2	8	571	25.66	25.62	25.58	25.55	25.51	25.47	25.44	25.40	25.36	25.32
P2	8	581	25.29	25.25	25.20	25.16	25.11	25.06	25.01	24.94	24.87	24.79
P2	8	591	24.70	24.59	24.46	24.29	24.09	23.84	23.53	23.14	22.65	22.02
P2	8	601	21.22	20.19	18.89							
P1	9	604	18.69	18.58	18.47	18.37	18.27	18.18	18.08	18.00	17.91	17.83
P1	9	614	17.75	17.68	17.61	17.54	17.48	17.42	17.37	17.31	17.27	17.23
P1	9	624	17.19	17.16	17.13	17.11	17.09	17.08	17.07	17.07	17.07	17.08
P1	9	634	17.09	17.11	17.13	17.17	17.20	17.25	17.30	17.35	17.42	17.49
P1	9	644	17.57	17.65	17.75	17.85	17.96	18.07	18.20	18.33	18.48	18.63
P1	9	654	18.79	18.97	19.15	19.34	19.55	19.76	19.99	20.23	20.48	20.74
P1	9	664	21.02	21.31	21.61	21.93	22.26	22.61				
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	17.92	17.87	19.67	19.62	19.58	19.53	19.48	19.43	19.38	19.33
EP	5	280	12.42	12.37	12.33	12.28	12.24	12.20	12.15	12.11	12.07	12.02
EP	5	290	11.98	11.94	11.90	11.85	11.81	11.77	11.73	11.69	11.65	11.61
EP	5	300	11.57	11.53	12.72	12.68	12.63	12.59	12.54	12.50	12.45	12.41
EP	5	310	12.36	12.32	12.27	12.23	12.19	12.14	12.10	12.06	12.01	12.00
EP	5	320	11.96	11.92	11.87	11.83	11.79	11.75	11.71	11.67	11.63	11.59
EP	5	330	11.55	11.51	11.47	11.60	11.56	11.52	11.48	11.44	11.40	11.36
EP	5	340	11.70	11.66	11.62	11.58	11.54	11.50	11.46	11.42	11.38	11.34
EP	5	350	11.30	11.26	11.23	11.19	11.15	11.11	11.08	11.04	11.76	11.72
EP	5	360	11.68	11.64	11.60	11.56	11.52	11.48	11.44	11.40	11.37	11.33
EP	5	370	11.29	11.25	11.21	11.17	11.14	11.10	11.06	11.02	10.99	10.95
EP	5	380	10.91	10.88	10.84	10.80	10.77	10.73	10.70	10.66	10.63	
AC	7	487	23.54	23.44	23.33	23.23	23.12	23.02	22.91	22.81	22.71	22.60
AC	7	497	22.50	22.40	22.23	22.13	22.03	21.93	21.83	21.73	21.63	21.53
AC	7	507	21.43	21.33	21.23	21.14	21.04	20.94	20.85	20.75	20.66	20.56
AC	7	517	20.47	20.37	20.28	20.19	20.09	20.00	19.91	19.82	19.73	19.64
AC	7	527	19.55	19.46	19.37	19.28	19.19	19.10	19.01	18.92	18.83	18.75
AC	7	537	18.66	18.58	18.49	18.41	18.32	18.24	18.16	18.07	17.99	18.28
AC	7	547	18.20	18.12	18.04	17.96	17.87	17.79	17.71	17.63	17.55	17.48
AC	7	557	17.40	17.32	17.24	17.16						

INTERMEDIATE REPORT
Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration Simulation

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	1.28	1.28	1.28	1.28	1.28	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	1.27	1.27
P6	1	21	1.27	1.27	1.27	1.27	1.27	1.27	1.26	1.26	1.26	1.26
P6	1	31	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
P6	1	41	1.26	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
P6	1	51	1.34	1.34	1.34	1.33	1.33	1.33	1.33	1.33	1.33	1.33
P6	1	61	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33
P6	1	71	1.33	1.33	1.33	1.33	1.33	1.32	1.32	1.32	1.32	1.32
P6	1	81	1.32	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
P6	1	91	1.40	1.40	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
P6	1	101	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
P6	1	111	1.39	1.39	1.39	1.39	1.38	1.38	1.38	1.38	1.38	1.38
P6	1	121	1.38	1.38								
P5	3	203	1.63	1.63	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64
P5	3	213	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.68	1.68	1.68
P5	3	223	1.68	1.68	1.68	1.68	1.69	1.69	1.69	1.69	1.69	1.69

P5	3	233	1.69	1.69	1.69	1.71	1.71	1.71	1.71			
P4	4	240	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
P4	4	250	1.71	1.71	1.71	1.71	1.72	1.72	1.72	1.72	1.72	1.72
P4	4	260	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
P4	4	270	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.78	1.78	1.78
P3	6	389	1.47	1.44	1.42	1.40	1.40	1.38	1.37	1.35	1.34	1.33
P3	6	399	1.31	1.30	1.29	1.29	1.28	1.27	1.26	1.25	1.25	1.24
P3	6	409	1.23	1.23	1.22	1.22	1.21	1.21	1.20	1.20	1.19	1.19
P3	6	419	1.19	1.18	1.18	1.18	1.17	1.17	1.17	1.16	1.16	1.17
P3	6	429	1.17	1.17	1.16	1.16	1.16	1.16	1.15	1.15	1.15	1.15
P3	6	439	1.14	1.14	1.14	1.14	1.14	1.13	1.13	1.13	1.13	1.13
P3	6	449	1.13	1.12	1.12	1.13	1.13	1.13	1.13	1.13	1.12	1.12
P3	6	459	1.12	1.12	1.12	1.12	1.12	1.11	1.11	1.11	1.11	1.11
P3	6	469	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10
P3	6	479	1.10	1.10	1.10	1.10	1.10	1.09	1.09	1.09		
P2	8	561	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.09	1.09
P2	8	571	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
P2	8	581	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
P2	8	591	1.09	1.09	1.09	1.10	1.10	1.10	1.11	1.11	1.12	1.13
P2	8	601	1.14	1.16	1.18							
P1	9	604	1.18	1.18	1.18	1.18	1.19	1.19	1.19	1.19	1.19	1.20
P1	9	614	1.20	1.20	1.20	1.21	1.21	1.21	1.22	1.22	1.22	1.23
P1	9	624	1.23	1.23	1.24	1.24	1.25	1.25	1.26	1.26	1.27	1.27
P1	9	634	1.28	1.28	1.29	1.29	1.30	1.30	1.31	1.32	1.32	1.33
P1	9	644	1.34	1.35	1.35	1.36	1.37	1.38	1.39	1.40	1.41	1.42
P1	9	654	1.43	1.44	1.45	1.46	1.47	1.48	1.50	1.51	1.52	1.53
P1	9	664	1.55	1.56	1.58	1.59	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	3.88	3.88	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09
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	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
EP	5	310	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
EP	5	320	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.16	1.16	1.16
EP	5	330	1.16	1.16	1.16	1.17	1.17	1.17	1.17	1.17	1.17	1.17
EP	5	340	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
EP	5	350	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.22	1.22
EP	5	360	1.22	1.22	1.22	1.21	1.21	1.21	1.21	1.21	1.21	1.21
EP	5	370	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.20	1.20	1.20
EP	5	380	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	
AC	7	487	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
AC	7	497	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
AC	7	507	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.92
AC	7	517	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
AC	7	527	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
AC	7	537	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.90	0.93
AC	7	547	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
AC	7	557	0.93	0.93	0.93	0.93						

INTERMEDIATE REPORT
Effective Organic Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration 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	1.29	1.29	1.29
P6	1	11	1.29	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
P6	1	21	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
P6	1	31	1.28	1.28	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
P6	1	41	1.27	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
P6	1	51	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.34
P6	1	61	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
P6	1	71	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
P6	1	81	1.34	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
P6	1	91	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.40	1.40
P6	1	101	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
P6	1	111	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
P6	1	121	1.39	1.39								

P5	3	203	1.66	1.67	1.68	1.69	1.70	1.71	1.72	1.73	1.74	1.75
P5	3	213	1.77	1.78	1.79	1.80	1.81	1.82	1.83	1.86	1.87	1.88
P5	3	223	1.89	1.90	1.91	1.92	1.93	1.94	1.95	1.96	1.97	1.98
P5	3	233	1.99	2.00	2.01	2.04	2.05	2.06	2.07			
P4	4	240	2.06	2.05	2.04	2.03	2.03	2.02	2.01	2.00	1.99	1.99
P4	4	250	1.98	1.97	1.96	1.95	1.95	1.94	1.93	1.92	1.91	1.91
P4	4	260	1.90	1.89	1.88	1.87	1.86	1.86	1.85	1.84	1.83	1.82
P4	4	270	1.82	1.81	1.80	1.79	1.78	1.77	1.77	1.81	1.80	1.79
P3	6	389	1.49	1.46	1.45	1.43	1.42	1.41	1.40	1.38	1.37	1.36
P3	6	399	1.35	1.34	1.34	1.33	1.32	1.32	1.31	1.30	1.30	1.29
P3	6	409	1.29	1.29	1.28	1.28	1.27	1.27	1.27	1.27	1.26	1.26
P3	6	419	1.26	1.26	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.26
P3	6	429	1.26	1.26	1.26	1.26	1.25	1.25	1.25	1.25	1.25	1.25
P3	6	439	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
P3	6	449	1.25	1.25	1.25	1.26	1.26	1.26	1.26	1.26	1.26	1.26
P3	6	459	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.27	1.27
P3	6	469	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
P3	6	479	1.27	1.27	1.28	1.28	1.28	1.28	1.28	1.27		
P2	8	561	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
P2	8	571	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.26	1.26
P2	8	581	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
P2	8	591	1.26	1.26	1.26	1.26	1.27	1.27	1.27	1.28	1.28	1.29
P2	8	601	1.30	1.32	1.34							
P1	9	604	1.34	1.34	1.34	1.35	1.35	1.35	1.35	1.35	1.36	1.36
P1	9	614	1.36	1.36	1.37	1.37	1.37	1.37	1.38	1.38	1.38	1.39
P1	9	624	1.39	1.40	1.40	1.40	1.41	1.41	1.42	1.42	1.43	1.43
P1	9	634	1.44	1.44	1.45	1.45	1.46	1.47	1.47	1.48	1.49	1.49
P1	9	644	1.50	1.51	1.52	1.52	1.53	1.54	1.55	1.56	1.57	1.58
P1	9	654	1.59	1.60	1.61	1.62	1.63	1.64	1.66	1.67	1.68	1.70
P1	9	664	1.71	1.72	1.74	1.75	1.77	1.78				
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	3.11	3.11	3.11	3.10	3.10	3.10	3.10	3.10
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	1.13	1.13	1.22	1.22	1.22	1.22	1.21	1.21	1.21	1.21
EP	5	310	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.20	1.20	1.20
EP	5	320	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.19
EP	5	330	1.19	1.19	1.19	1.20	1.20	1.20	1.20	1.20	1.20	1.20
EP	5	340	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.21	1.21	1.21
EP	5	350	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.24	1.24
EP	5	360	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.23
EP	5	370	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.22	1.22
EP	5	380	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	
AC	7	487	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12
AC	7	497	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
AC	7	507	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
AC	7	517	1.11	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10
AC	7	527	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
AC	7	537	1.10	1.10	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.12
AC	7	547	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.11
AC	7	557	1.11	1.11	1.11	1.11						

INTERMEDIATE REPORT
Ammonia Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration Simulation

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	0.30	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.27
P6	1	11	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25
P6	1	21	0.25	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23
P6	1	31	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21
P6	1	41	0.20	0.41	0.41	0.40	0.40	0.40	0.39	0.39	0.38	0.38
P6	1	51	0.38	0.37	0.37	0.37	0.36	0.36	0.36	0.35	0.35	0.34
P6	1	61	0.34	0.34	0.34	0.33	0.33	0.33	0.32	0.32	0.32	0.31
P6	1	71	0.31	0.31	0.30	0.30	0.30	0.30	0.29	0.29	0.29	0.29
P6	1	81	0.28	0.48	0.48	0.47	0.47	0.46	0.46	0.46	0.45	0.45
P6	1	91	0.44	0.44	0.44	0.43	0.43	0.43	0.42	0.42	0.41	0.41

P6	1	101	0.41	0.40	0.40	0.39	0.39	0.39	0.38	0.38	0.38	0.37
P6	1	111	0.37	0.37	0.36	0.36	0.36	0.35	0.35	0.35	0.34	0.34
P6	1	121	0.34	0.33								
P5	3	203	0.46	0.46	0.45	0.45	0.45	0.44	0.44	0.44	0.43	0.43
P5	3	213	0.47	0.47	0.46	0.46	0.46	0.45	0.45	0.49	0.49	0.48
P5	3	223	0.48	0.48	0.47	0.47	0.47	0.47	0.47	0.46	0.46	0.46
P5	3	233	0.45	0.45	0.45	0.53	0.53	0.53	0.52			
P4	4	240	0.51	0.49	0.48	0.47	0.45	0.44	0.43	0.42	0.41	0.40
P4	4	250	0.39	0.38	0.37	0.36	0.35	0.34	0.34	0.33	0.32	0.31
P4	4	260	0.31	0.30	0.30	0.29	0.28	0.28	0.27	0.27	0.26	0.26
P4	4	270	0.25	0.25	0.25	0.24	0.24	0.23	0.23	0.39	0.38	0.37
P3	6	389	0.31	0.30	0.30	0.30	0.33	0.33	0.33	0.33	0.33	0.32
P3	6	399	0.32	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31
P3	6	409	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.30
P3	6	419	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.34
P3	6	429	0.34	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.33	0.33
P3	6	439	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.32
P3	6	449	0.32	0.32	0.32	0.35	0.35	0.35	0.35	0.35	0.35	0.34
P3	6	459	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
P3	6	469	0.34	0.34	0.34	0.33	0.33	0.33	0.33	0.33	0.33	0.33
P3	6	479	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.32		
P2	8	561	0.31	0.31	0.31	0.32	0.32	0.33	0.32	0.32	0.32	0.32
P2	8	571	0.31	0.31	0.31	0.31	0.31	0.30	0.30	0.30	0.30	0.30
P2	8	581	0.30	0.30	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28
P2	8	591	0.28	0.27	0.27	0.27	0.26	0.26	0.25	0.24	0.23	0.22
P2	8	601	0.21	0.19	0.16							
P1	9	604	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14
P1	9	614	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12
P1	9	624	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
P1	9	634	0.11	0.11	0.11	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	0.11	0.11	0.11	0.11	0.11	0.11
P1	9	654	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	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	1.28	1.27	1.27	1.26	1.25	1.24	1.23	1.23
EP	5	280	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10
EP	5	290	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09
EP	5	300	0.09	0.09	0.30	0.30	0.29	0.29	0.28	0.28	0.28	0.27
EP	5	310	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.24
EP	5	320	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21
EP	5	330	0.21	0.21	0.20	0.23	0.22	0.22	0.22	0.21	0.21	0.21
EP	5	340	0.27	0.26	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.24
EP	5	350	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.37	0.37
EP	5	360	0.36	0.36	0.35	0.35	0.34	0.34	0.33	0.33	0.32	0.32
EP	5	370	0.31	0.31	0.30	0.30	0.29	0.29	0.29	0.28	0.28	0.27
EP	5	380	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.24	0.24	
AC	7	487	0.53	0.51	0.50	0.49	0.48	0.46	0.45	0.44	0.43	0.42
AC	7	497	0.41	0.40	0.39	0.38	0.37	0.36	0.35	0.34	0.33	0.33
AC	7	507	0.32	0.31	0.30	0.29	0.29	0.28	0.27	0.27	0.26	0.25
AC	7	517	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.20
AC	7	527	0.20	0.19	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16
AC	7	537	0.16	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.20
AC	7	547	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.16	0.16	0.16
AC	7	557	0.15	0.15	0.15	0.14						

INTERMEDIATE REPORT
Nitrate+Nitrite Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration Simulation

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10
P6	1	11	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12
P6	1	21	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14
P6	1	31	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15
P6	1	41	0.16	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22
P6	1	51	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25
P6	1	61	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27

P6	1	71	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29
P6	1	81	0.29	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.36	0.36
P6	1	91	0.36	0.37	0.37	0.38	0.38	0.38	0.38	0.39	0.39	0.39
P6	1	101	0.40	0.40	0.40	0.40	0.40	0.41	0.41	0.41	0.41	0.42
P6	1	111	0.42	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43
P6	1	121	0.44	0.44								
P5	3	203	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48
P5	3	213	0.48	0.48	0.48	0.48	0.47	0.47	0.47	0.47	0.47	0.47
P5	3	223	0.47	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.45	0.45
P5	3	233	0.45	0.45	0.45	0.48	0.47	0.47	0.47			
P4	4	240	0.47	0.46	0.45	0.45	0.44	0.44	0.43	0.43	0.42	0.42
P4	4	250	0.41	0.41	0.40	0.40	0.39	0.39	0.39	0.38	0.38	0.38
P4	4	260	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.35
P4	4	270	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.36	0.36	0.36
P3	6	389	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
P3	6	399	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
P3	6	409	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
P3	6	419	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.38
P3	6	429	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
P3	6	439	0.38	0.38	0.38	0.38	0.38	0.38	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	0.39	0.39	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	0.37	0.37	0.37	0.37	0.37	0.37	0.37
P2	8	571	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
P2	8	581	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
P2	8	591	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.39	0.40	0.40
P2	8	601	0.42	0.43	0.45							
P1	9	604	0.44	0.43	0.42	0.41	0.40	0.40	0.39	0.38	0.37	0.37
P1	9	614	0.36	0.35	0.35	0.34	0.33	0.32	0.32	0.31	0.30	0.30
P1	9	624	0.29	0.28	0.28	0.27	0.27	0.26	0.25	0.25	0.24	0.24
P1	9	634	0.23	0.23	0.22	0.21	0.21	0.20	0.20	0.19	0.19	0.18
P1	9	644	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.14
P1	9	654	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11
P1	9	664	0.10	0.10	0.10	0.09	0.09	0.09				
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	0.76	0.77	0.78	0.78	0.79	0.80	0.80	0.81
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	0.15	0.15	0.15	0.15	0.15
EP	5	310	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.18
EP	5	320	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19
EP	5	330	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.21
EP	5	340	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23
EP	5	350	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.32	0.32
EP	5	360	0.32	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.34
EP	5	370	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.36
EP	5	380	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37	
AC	7	487	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24
AC	7	497	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26
AC	7	507	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.26
AC	7	517	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25
AC	7	527	0.25	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.22
AC	7	537	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20	0.19	0.21
AC	7	547	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.18
AC	7	557	0.18	0.18	0.18	0.17						

INTERMEDIATE REPORT
Total Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration Simulation

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	1.65	1.65	1.65	1.65	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	1.64	1.64
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	1.63	1.63	1.62	1.62	1.62	1.62	1.62	1.62	1.62

P6	1	41	1.62	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.94
P6	1	51	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93
P6	1	61	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.91
P6	1	71	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.90	1.90	1.90
P6	1	81	1.90	2.22	2.21	2.21	2.21	2.21	2.21	2.21	2.20	2.20
P6	1	91	2.20	2.20	2.21	2.20	2.20	2.20	2.20	2.20	2.20	2.19
P6	1	101	2.19	2.19	2.19	2.19	2.18	2.18	2.18	2.18	2.18	2.18
P6	1	111	2.17	2.17	2.17	2.17	2.17	2.16	2.16	2.16	2.16	2.16
P6	1	121	2.15	2.15								
P5	3	203	2.58	2.58	2.58	2.57	2.57	2.56	2.56	2.56	2.55	2.55
P5	3	213	2.61	2.61	2.60	2.60	2.59	2.59	2.58	2.65	2.64	2.64
P5	3	223	2.63	2.63	2.62	2.62	2.61	2.62	2.61	2.61	2.60	2.60
P5	3	233	2.59	2.59	2.58	2.72	2.71	2.71	2.70			
P4	4	240	2.68	2.66	2.64	2.63	2.61	2.59	2.57	2.56	2.54	2.53
P4	4	250	2.51	2.50	2.49	2.47	2.46	2.45	2.44	2.43	2.42	2.41
P4	4	260	2.40	2.39	2.38	2.37	2.36	2.35	2.35	2.34	2.33	2.32
P4	4	270	2.32	2.31	2.31	2.30	2.29	2.29	2.28	2.52	2.52	2.51
P3	6	389	2.14	2.11	2.09	2.07	2.10	2.08	2.07	2.05	2.04	2.02
P3	6	399	2.01	2.00	1.99	1.98	1.97	1.96	1.95	1.94	1.93	1.93
P3	6	409	1.92	1.91	1.91	1.90	1.89	1.89	1.88	1.88	1.87	1.87
P3	6	419	1.86	1.86	1.86	1.85	1.85	1.84	1.84	1.84	1.83	1.90
P3	6	429	1.89	1.89	1.88	1.88	1.88	1.87	1.87	1.87	1.86	1.86
P3	6	439	1.86	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.83	1.83
P3	6	449	1.83	1.83	1.83	1.87	1.87	1.86	1.86	1.86	1.86	1.85
P3	6	459	1.85	1.85	1.85	1.85	1.84	1.84	1.84	1.84	1.83	1.83
P3	6	469	1.83	1.83	1.83	1.83	1.82	1.82	1.82	1.82	1.82	1.82
P3	6	479	1.81	1.81	1.81	1.81	1.81	1.81	1.80	1.77		
P2	8	561	1.76	1.76	1.76	1.77	1.78	1.79	1.78	1.78	1.78	1.78
P2	8	571	1.77	1.77	1.77	1.77	1.76	1.76	1.76	1.76	1.76	1.76
P2	8	581	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.74	1.74
P2	8	591	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.75	1.75
P2	8	601	1.76	1.77	1.79							
P1	9	604	1.77	1.76	1.76	1.75	1.74	1.73	1.72	1.71	1.71	1.70
P1	9	614	1.69	1.69	1.68	1.67	1.67	1.66	1.66	1.65	1.65	1.64
P1	9	624	1.64	1.63	1.63	1.63	1.62	1.62	1.62	1.62	1.61	1.61
P1	9	634	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.62	1.62	1.62
P1	9	644	1.62	1.63	1.63	1.63	1.64	1.64	1.65	1.65	1.66	1.67
P1	9	654	1.68	1.68	1.69	1.70	1.71	1.72	1.73	1.74	1.75	1.77
P1	9	664	1.78	1.79	1.81	1.82	1.84	1.86				
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	4.07	4.07	5.14	5.14	5.13	5.13	5.13	5.13	5.13	5.12
EP	5	280	1.31	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29
EP	5	290	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.28	1.28	1.28
EP	5	300	1.28	1.28	1.62	1.62	1.62	1.61	1.61	1.61	1.61	1.60
EP	5	310	1.60	1.60	1.60	1.59	1.59	1.59	1.59	1.58	1.58	1.59
EP	5	320	1.59	1.59	1.58	1.58	1.58	1.58	1.57	1.57	1.57	1.57
EP	5	330	1.56	1.56	1.56	1.60	1.60	1.59	1.59	1.59	1.59	1.58
EP	5	340	1.68	1.68	1.67	1.67	1.67	1.66	1.66	1.66	1.66	1.65
EP	5	350	1.65	1.65	1.65	1.64	1.64	1.64	1.63	1.63	1.91	1.91
EP	5	360	1.90	1.90	1.90	1.89	1.89	1.89	1.88	1.88	1.87	1.87
EP	5	370	1.87	1.86	1.86	1.86	1.85	1.85	1.85	1.84	1.84	1.83
EP	5	380	1.83	1.83	1.82	1.82	1.82	1.81	1.81	1.81	1.80	
AC	7	487	1.66	1.65	1.64	1.63	1.63	1.62	1.61	1.61	1.60	1.59
AC	7	497	1.58	1.58	1.57	1.56	1.56	1.55	1.54	1.53	1.52	1.52
AC	7	507	1.51	1.50	1.49	1.49	1.48	1.47	1.46	1.46	1.45	1.44
AC	7	517	1.43	1.43	1.42	1.41	1.40	1.40	1.39	1.38	1.37	1.37
AC	7	527	1.36	1.35	1.34	1.34	1.33	1.32	1.31	1.31	1.30	1.29
AC	7	537	1.29	1.28	1.27	1.26	1.26	1.25	1.24	1.24	1.23	1.34
AC	7	547	1.33	1.32	1.32	1.31	1.30	1.30	1.29	1.28	1.27	1.27
AC	7	557	1.26	1.25	1.25	1.24						

INTERMEDIATE REPORT
Effective Total Nitrogen
mg/L

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration 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	1.66	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	1.65	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	1.64	1.64	1.63	1.63	1.63
P6	1	41	1.63	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.95
P6	1	51	1.95	1.95	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94
P6	1	61	1.94	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.93	1.93
P6	1	71	1.93	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.91
P6	1	81	1.91	2.23	2.23	2.23	2.22	2.22	2.22	2.22	2.22	2.22
P6	1	91	2.21	2.21	2.22	2.22	2.22	2.21	2.21	2.21	2.21	2.21
P6	1	101	2.21	2.20	2.20	2.20	2.20	2.20	2.19	2.19	2.19	2.19
P6	1	111	2.19	2.18	2.18	2.18	2.18	2.18	2.17	2.17	2.17	2.17
P6	1	121	2.17	2.16								
P5	3	203	2.61	2.61	2.62	2.62	2.63	2.63	2.64	2.64	2.65	2.65
P5	3	213	2.73	2.73	2.74	2.74	2.74	2.75	2.75	2.83	2.83	2.84
P5	3	223	2.84	2.85	2.85	2.85	2.86	2.87	2.88	2.88	2.88	2.89
P5	3	233	2.89	2.90	2.90	3.05	3.05	3.06	3.06			
P4	4	240	3.03	3.00	2.98	2.95	2.92	2.90	2.87	2.85	2.82	2.80
P4	4	250	2.78	2.76	2.73	2.71	2.69	2.67	2.65	2.63	2.61	2.59
P4	4	260	2.58	2.56	2.54	2.52	2.51	2.49	2.47	2.46	2.44	2.43
P4	4	270	2.41	2.40	2.38	2.37	2.36	2.34	2.33	2.56	2.54	2.53
P3	6	389	2.16	2.13	2.11	2.10	2.13	2.11	2.10	2.08	2.07	2.06
P3	6	399	2.05	2.04	2.03	2.02	2.01	2.00	2.00	1.99	1.98	1.98
P3	6	409	1.97	1.97	1.96	1.96	1.96	1.95	1.95	1.94	1.94	1.94
P3	6	419	1.94	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.98
P3	6	429	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.97	1.97	1.96
P3	6	439	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95
P3	6	449	1.95	1.95	1.95	2.00	2.00	2.00	2.00	1.99	1.99	1.99
P3	6	459	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99
P3	6	469	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99
P3	6	479	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.96		
P2	8	561	1.94	1.95	1.95	1.95	1.96	1.97	1.97	1.96	1.96	1.96
P2	8	571	1.95	1.95	1.95	1.95	1.94	1.94	1.94	1.94	1.93	1.93
P2	8	581	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.91	1.91
P2	8	591	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.92
P2	8	601	1.93	1.94	1.95							
P1	9	604	1.93	1.93	1.92	1.91	1.90	1.89	1.88	1.88	1.87	1.86
P1	9	614	1.85	1.85	1.84	1.84	1.83	1.82	1.82	1.81	1.81	1.80
P1	9	624	1.80	1.80	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78
P1	9	634	1.77	1.77	1.77	1.77	1.77	1.77	1.78	1.78	1.78	1.78
P1	9	644	1.78	1.79	1.79	1.80	1.80	1.80	1.81	1.82	1.82	1.83
P1	9	654	1.84	1.84	1.85	1.86	1.87	1.88	1.89	1.90	1.92	1.93
P1	9	664	1.94	1.96	1.97	1.98	2.00	2.02				
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	5.16	5.15	5.15	5.15	5.14	5.14	5.14	5.14
EP	5	280	1.35	1.35	1.35	1.34	1.34	1.34	1.34	1.34	1.34	1.33
EP	5	290	1.33	1.33	1.33	1.33	1.33	1.33	1.32	1.32	1.32	1.32
EP	5	300	1.32	1.32	1.66	1.65	1.65	1.65	1.65	1.64	1.64	1.64
EP	5	310	1.64	1.63	1.63	1.63	1.63	1.62	1.62	1.62	1.62	1.62
EP	5	320	1.62	1.62	1.62	1.61	1.61	1.61	1.61	1.60	1.60	1.60
EP	5	330	1.59	1.59	1.59	1.63	1.63	1.62	1.62	1.62	1.62	1.61
EP	5	340	1.71	1.71	1.70	1.70	1.70	1.69	1.69	1.69	1.68	1.68
EP	5	350	1.68	1.68	1.67	1.67	1.67	1.66	1.66	1.66	1.94	1.93
EP	5	360	1.93	1.93	1.92	1.92	1.91	1.91	1.91	1.90	1.90	1.89
EP	5	370	1.89	1.89	1.88	1.88	1.87	1.87	1.87	1.86	1.86	1.86
EP	5	380	1.85	1.85	1.84	1.84	1.84	1.83	1.83	1.82	1.82	
AC	7	487	1.84	1.84	1.83	1.82	1.81	1.81	1.80	1.79	1.79	1.78
AC	7	497	1.77	1.76	1.76	1.75	1.74	1.73	1.73	1.72	1.71	1.70
AC	7	507	1.70	1.69	1.68	1.67	1.67	1.66	1.65	1.64	1.64	1.63
AC	7	517	1.62	1.61	1.61	1.60	1.59	1.58	1.58	1.57	1.56	1.55
AC	7	527	1.55	1.54	1.53	1.52	1.52	1.51	1.50	1.49	1.49	1.48
AC	7	537	1.47	1.46	1.46	1.45	1.44	1.44	1.43	1.42	1.42	1.52
AC	7	547	1.52	1.51	1.50	1.50	1.49	1.48	1.48	1.47	1.46	1.46
AC	7	557	1.45	1.44	1.43	1.43						

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						

Temperature
deg C

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration 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
Calibration 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
Calibration 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
Calibration Simulation

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	31	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	41	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	51	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	61	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	71	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	81	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	91	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	101	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	111	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
P6	1	121	0.1	0.1								
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	0.3	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	0.6	0.6
P3	6	479	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6		
P2	8	561	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P2	8	571	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P2	8	581	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P2	8	591	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P2	8	601	0.7	0.7	0.7							
P1	9	604	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P1	9	614	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P1	9	624	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P1	9	634	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P1	9	644	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P1	9	654	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P1	9	664	0.7	0.7	0.7	0.7	0.7	0.7				
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
AC	7	497	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
AC	7	507	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
AC	7	517	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
AC	7	527	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
AC	7	537	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
AC	7	547	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
AC	7	557	0.1	0.1	0.1	0.1						

INTERMEDIATE REPORT
Dispersion
m^2/s

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration 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
Calibration 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	0.5	0.5	0.5	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	0.2	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	0.1	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	0.4	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
AC	7	497	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
AC	7	507	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
AC	7	517	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
AC	7	527	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
AC	7	537	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
AC	7	547	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
AC	7	557	0.5	0.5	0.5	0.5						

INTERMEDIATE REPORT
Width
m

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration 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
Calibration 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	0.3	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
P3	6	419	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
P3	6	429	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P3	6	439	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
P3	6	449	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
P3	6	459	0.9	0.9	1.0	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	1.2	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	0.0	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
Calibration 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	0.3	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
P3	6	419	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
P3	6	429	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
P3	6	439	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
P3	6	449	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
P3	6	459	0.9	0.9	1.0	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	1.2	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	0.0	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
Calibration Simulation

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	11	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	21	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	31	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	41	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	51	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	61	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	71	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	81	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	91	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	101	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	111	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
P6	1	121	1.4	1.4								
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	1.4	1.4	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	9.3							
P1	9	604	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
P1	9	614	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
P1	9	624	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
P1	9	634	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
P1	9	644	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
P1	9	654	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9

P1	9	664	82.9	82.9	82.9	82.9	82.9	82.9				
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	1.5	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	1.6	1.6
EP	5	360	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
EP	5	370	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
EP	5	380	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
AC	7	487	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
AC	7	497	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
AC	7	507	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
AC	7	517	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
AC	7	527	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
AC	7	537	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
AC	7	547	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
AC	7	557	2.4	2.4	2.4	2.4						

INTERMEDIATE REPORT
Reaeration Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration Simulation

ID	RCH	ELEM	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
P6	1	1	3.027	3.027	3.027	3.027	3.027	3.027	3.027	3.027	3.027	3.027
P6	1	11	3.027	3.027	3.027	3.027	3.027	3.027	3.027	3.027	3.027	3.027
P6	1	21	3.028	3.028	3.028	3.028	3.028	3.028	3.028	3.028	3.028	3.028
P6	1	31	3.028	3.028	3.028	3.028	3.028	3.028	3.028	3.028	3.028	3.028
P6	1	41	3.028	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046
P6	1	51	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046
P6	1	61	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046
P6	1	71	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046	3.046
P6	1	81	3.046	3.064	3.064	3.064	3.064	3.064	3.064	3.064	3.064	3.064
P6	1	91	3.064	3.064	3.067	3.067	3.067	3.067	3.067	3.067	3.067	3.067
P6	1	101	3.067	3.067	3.067	3.067	3.067	3.067	3.067	3.067	3.067	3.067
P6	1	111	3.067	3.067	3.067	3.067	3.067	3.067	3.067	3.067	3.067	3.067
P6	1	121	3.067	3.067								
P5	3	203	12.043	12.058	12.073	12.087	12.102	12.117	12.131	12.145	12.160	12.174
P5	3	213	12.190	12.205	12.219	12.234	12.248	12.263	12.277	12.292	12.306	12.322
P5	3	223	12.337	12.352	12.366	12.381	12.396	12.411	12.425	12.441	12.454	12.470
P5	3	233	12.485	12.499	12.515	12.529	12.544	12.558	11.607			
P4	4	240	2.883	2.885	2.888	2.890	2.892	2.894	2.896	2.898	2.900	2.903
P4	4	250	2.905	2.907	2.909	2.911	2.913	2.915	2.917	2.919	2.922	2.924
P4	4	260	2.926	2.928	2.930	2.932	2.934	2.936	2.938	2.940	2.942	2.944
P4	4	270	2.946	2.948	2.950	2.952	2.954	2.956	2.958	2.972	2.974	2.976
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	1.799	1.797	1.795	1.792	1.790	1.787	1.785	1.782	1.780	1.777
P2	8	571	1.775	1.773	1.770	1.768	1.766	1.763	1.761	1.759	1.756	1.754
P2	8	581	1.752	1.749	1.747	1.744	1.742	1.740	1.737	1.735	1.733	1.730
P2	8	591	1.728	1.726	1.723	1.721	1.719	1.716	1.714	1.712	1.709	1.707
P2	8	601	1.705	1.702	1.675							
P1	9	604	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
P1	9	614	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
P1	9	624	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531

P1	9	634	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
P1	9	644	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
P1	9	654	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
P1	9	664	0.531	0.531	0.531	0.531	0.531	0.531				
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	9.530	9.530	11.095	11.095	11.096	11.096	11.097	11.097	11.098	11.098
EP	5	280	2.810	2.813	2.816	2.819	2.822	2.825	2.829	2.832	2.835	2.838
EP	5	290	2.841	2.845	2.848	2.851	2.854	2.857	2.861	2.864	2.867	2.870
EP	5	300	2.873	2.877	2.890	2.894	2.897	2.900	2.903	2.907	2.910	2.913
EP	5	310	2.917	2.920	2.923	2.926	2.929	2.933	2.936	2.939	2.943	2.946
EP	5	320	2.950	2.953	2.957	2.960	2.963	2.966	2.970	2.973	2.976	2.979
EP	5	330	2.983	2.986	2.990	2.994	2.997	3.000	3.004	3.007	3.010	3.014
EP	5	340	3.020	3.024	3.027	3.030	3.034	3.037	3.040	3.044	3.047	3.051
EP	5	350	3.054	3.058	3.061	3.064	3.067	3.071	3.074	3.078	3.107	3.110
EP	5	360	3.114	3.117	3.120	3.124	3.127	3.131	3.134	3.138	3.141	3.145
EP	5	370	3.148	3.151	3.155	3.158	3.162	3.165	3.168	3.172	3.176	3.179
EP	5	380	3.183	3.186	3.189	3.193	3.196	3.200	3.203	3.207	3.210	
AC	7	487	2.741	2.741	2.741	2.741	2.741	2.741	2.741	2.741	2.741	2.741
AC	7	497	2.741	2.741	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742
AC	7	507	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742
AC	7	517	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742
AC	7	527	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742
AC	7	537	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.742	2.746
AC	7	547	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746
AC	7	557	2.746	2.746	2.746	2.746						

INTERMEDIATE REPORT
BOD1 Decay Rate
per day

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration 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
Calibration 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
Calibration 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
Calibration 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	0.057	30.00	0.0	7.40	15.84	0.00	1.28	0.30	0.07	1.65	0.00	0.00	1.5													
1	P6	1	40.50	0.057	30.00	0.0	7.38	15.81	0.00	1.28	0.30	0.07	1.65	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
2	P6	1	40.40	0.057	30.00	0.0	7.37	15.77	0.00	1.28	0.29	0.08	1.65	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
3	P6	1	40.30	0.057	30.00	0.0	7.35	15.74	0.00	1.28	0.29	0.08	1.65	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
4	P6	1	40.20	0.057	30.00	0.0	7.34	15.71	0.00	1.28	0.29	0.08	1.65	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
5	P6	1	40.10	0.057	30.00	0.0	7.33	15.67	0.00	1.28	0.29	0.08	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
6	P6	1	40.00	0.057	30.00	0.0	7.32	15.64	0.00	1.27	0.28	0.09	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
7	P6	1	39.90	0.057	30.00	0.0	7.31	15.61	0.00	1.27	0.28	0.09	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
8	P6	1	39.80	0.057	30.00	0.0	7.30	15.58	0.00	1.27	0.28	0.09	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
9	P6	1	39.70	0.057	30.00	0.0	7.29	15.54	0.00	1.27	0.28	0.09	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
10	P6	1	39.60	0.057	30.00	0.0	7.28	15.51	0.00	1.27	0.27	0.10	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
11	P6	1	39.50	0.057	30.00	0.0	7.28	15.48	0.00	1.27	0.27	0.10	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
12	P6	1	39.40	0.057	30.00	0.0	7.27	15.44	0.00	1.27	0.27	0.10	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
13	P6	1	39.30	0.057	30.00	0.0	7.27	15.41	0.00	1.27	0.26	0.10	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
14	P6	1	39.20	0.057	30.00	0.0	7.26	15.38	0.00	1.27	0.26	0.11	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
15	P6	1	39.10	0.057	30.00	0.0	7.26	15.35	0.00	1.27	0.26	0.11	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
16	P6	1	39.00	0.057	30.00	0.0	7.25	15.31	0.00	1.27	0.26	0.11	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
17	P6	1	38.90	0.057	30.00	0.0	7.25	15.28	0.00	1.27	0.26	0.11	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
18	P6	1	38.80	0.057	30.00	0.0	7.25	15.25	0.00	1.27	0.25	0.11	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
19	P6	1	38.70	0.057	30.00	0.0	7.25	15.22	0.00	1.27	0.25	0.12	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
20	P6	1	38.60	0.057	30.00	0.0	7.24	15.18	0.00	1.27	0.25	0.12	1.64	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.027	0.05	0.03	0.00	0.00	0.40	0.00
	WASTELOAD # 021 (LA0122424) ENTERS HERE																												
21	P6	1	38.50	0.057	30.00	0.0	7.24	15.14	0.00	1.27	0.25	0.12	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
22	P6	1	38.40	0.057	30.00	0.0	7.24	15.11	0.00	1.27	0.24	0.12	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
23	P6	1	38.30	0.057	30.00	0.0	7.23	15.08	0.00	1.27	0.24	0.13	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00

24	P6	1	38.20	0.057	30.00	0.0	7.23	15.04	0.00	1.27	0.24	0.13	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
25	P6	1	38.10	0.057	30.00	0.0	7.23	15.01	0.00	1.27	0.24	0.13	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
26	P6	1	38.00	0.057	30.00	0.0	7.23	14.98	0.00	1.27	0.23	0.13	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
27	P6	1	37.90	0.057	30.00	0.0	7.23	14.95	0.00	1.26	0.23	0.13	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
28	P6	1	37.80	0.057	30.00	0.0	7.23	14.92	0.00	1.26	0.23	0.14	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
29	P6	1	37.70	0.057	30.00	0.0	7.23	14.88	0.00	1.26	0.23	0.14	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
30	P6	1	37.60	0.057	30.00	0.0	7.23	14.85	0.00	1.26	0.23	0.14	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
31	P6	1	37.50	0.057	30.00	0.0	7.23	14.82	0.00	1.26	0.22	0.14	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
32	P6	1	37.40	0.057	30.00	0.0	7.23	14.79	0.00	1.26	0.22	0.14	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
33	P6	1	37.30	0.057	30.00	0.0	7.23	14.76	0.00	1.26	0.22	0.14	1.63	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
34	P6	1	37.20	0.057	30.00	0.0	7.24	14.72	0.00	1.26	0.22	0.15	1.62	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
35	P6	1	37.10	0.057	30.00	0.0	7.24	14.69	0.00	1.26	0.22	0.15	1.62	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
36	P6	1	37.00	0.057	30.00	0.0	7.24	14.66	0.00	1.26	0.21	0.15	1.62	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
37	P6	1	36.90	0.057	30.00	0.0	7.24	14.63	0.00	1.26	0.21	0.15	1.62	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
38	P6	1	36.80	0.057	30.00	0.0	7.24	14.60	0.00	1.26	0.21	0.15	1.62	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
39	P6	1	36.70	0.057	30.00	0.0	7.24	14.57	0.00	1.26	0.21	0.15	1.62	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
40	P6	1	36.60	0.057	30.00	0.0	7.24	14.53	0.00	1.26	0.21	0.15	1.62	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
41	P6	1	36.50	0.057	30.00	0.0	7.24	14.50	0.00	1.26	0.20	0.16	1.62	0.00	0.00	1.5	0.0	0.50	2.7	0.041	0.041	7.559	3.028	0.05	0.03	0.00	0.00	0.40	0.00
WASTELOAD # 042 (Grp1-Rch1) ENTERS HERE																														
42	P6	1	36.40	0.058	30.00	0.0	7.13	15.65	0.00	1.34	0.41	0.20	1.95	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
43	P6	1	36.30	0.058	30.00	0.0	7.13	15.62	0.00	1.34	0.41	0.20	1.95	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
44	P6	1	36.20	0.058	30.00	0.0	7.13	15.58	0.00	1.34	0.40	0.20	1.95	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
45	P6	1	36.10	0.058	30.00	0.0	7.13	15.55	0.00	1.34	0.40	0.21	1.95	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
46	P6	1	36.00	0.058	30.00	0.0	7.13	15.52	0.00	1.34	0.40	0.21	1.94	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
47	P6	1	35.90	0.058	30.00	0.0	7.13	15.48	0.00	1.34	0.39	0.21	1.94	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
48	P6	1	35.80	0.058	30.00	0.0	7.13	15.45	0.00	1.34	0.39	0.22	1.94	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
49	P6	1	35.70	0.058	30.00	0.0	7.13	15.42	0.00	1.34	0.38	0.22	1.94	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
50	P6	1	35.60	0.058	30.00	0.0	7.13	15.38	0.00	1.34	0.38	0.22	1.94	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
51	P6	1	35.50	0.058	30.00	0.0	7.13	15.35	0.00	1.34	0.38	0.23	1.94	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
52	P6	1	35.40	0.058	30.00	0.0	7.13	15.32	0.00	1.34	0.37	0.23	1.94	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
53	P6	1	35.30	0.058	30.00	0.0	7.14	15.28	0.00	1.34	0.37	0.23	1.94	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
54	P6	1	35.20	0.058	30.00	0.0	7.14	15.25	0.00	1.33	0.37	0.24	1.94	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
55	P6	1	35.10	0.058	30.00	0.0	7.14	15.22	0.00	1.33	0.36	0.24	1.93	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
56	P6	1	35.00	0.058	30.00	0.0	7.14	15.18	0.00	1.33	0.36	0.24	1.93	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
57	P6	1	34.90	0.058	30.00	0.0	7.14	15.15	0.00	1.33	0.36	0.24	1.93	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
58	P6	1	34.80	0.058	30.00	0.0	7.14	15.12	0.00	1.33	0.35	0.25	1.93	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
59	P6	1	34.70	0.058	30.00	0.0	7.14	15.08	0.00	1.33	0.35	0.25	1.93	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
60	P6	1	34.60	0.058	30.00	0.0	7.15	15.05	0.00	1.33	0.34	0.25	1.93	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
61	P6	1	34.50	0.058	30.00	0.0	7.15	15.02	0.00	1.33	0.34	0.25	1.93	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
62	P6	1	34.40	0.058	30.00	0.0	7.15	14.98	0.00	1.33	0.34	0.26	1.93	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
63	P6	1	34.30	0.058	30.00	0.0	7.15	14.95	0.00	1.33	0.34	0.26	1.92	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
64	P6	1	34.20	0.058	30.00	0.0	7.15	14.92	0.00	1.33	0.33	0.26	1.92	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
65	P6	1	34.10	0.058	30.00	0.0	7.16	14.88	0.00	1.33	0.33	0.26	1.92	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
66	P6	1	34.00	0.058	30.00	0.0	7.16	14.85	0.00	1.33	0.33	0.27	1.92	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
67	P6	1	33.90	0.058	30.00	0.0	7.16	14.82	0.00	1.33	0.32	0.27	1.92	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
68	P6	1	33.80	0.058	30.00	0.0	7.16	14.79	0.00	1.33	0.32	0.27	1.92	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
69	P6	1	33.70	0.058	30.00	0.0	7.16	14.75	0.00	1.33	0.32	0.27	1.92	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
70	P6	1	33.60	0.058	30.00	0.0	7.17	14.72	0.00	1.33	0.31	0.27	1.91	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
71	P6	1	33.50	0.058	30.00	0.0	7.17	14.69	0.00	1.33	0.31	0.28	1.91	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	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	0.058	30.00	0.0	7.17	14.65	0.00	1.33	0.31	0.28	1.91	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
73	P6	1	33.30	0.058	30.00	0.0	7.17	14.62	0.00	1.33	0.30	0.28	1.91	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
74	P6	1	33.20	0.058	30.00	0.0	7.17	14.59	0.00	1.33	0.30	0.28	1.91	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
75	P6	1	33.10	0.058	30.00	0.0	7.18	14.56	0.00	1.33	0.30	0.28	1.91	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
76	P6	1	33.00	0.058	30.00	0.0	7.18	14.52	0.00	1.32	0.30	0.29	1.91	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
77	P6	1	32.90	0.058	30.00	0.0	7.18	14.49	0.00	1.32	0.29	0.29	1.91	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
78	P6	1	32.80	0.058	30.00	0.0	7.18	14.46	0.00	1.32	0.29	0.29	1.90	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
79	P6	1	32.70	0.058	30.00	0.0	7.18	14.43	0.00	1.32	0.29	0.29	1.90	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
80	P6	1	32.60	0.058	30.00	0.0	7.19	14.39	0.00	1.32	0.29	0.29	1.90	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
81	P6	1	32.50	0.058	30.00	0.0	7.19	14.36	0.00	1.32	0.28	0.29	1.90	0.00	0.00	1.5	0.0	0.50	2.7	0.042	0.042	7.559	3.046	0.05	0.03	0.00	0.00	0.40	0.00
WASTELOAD # 082 (LAG541777) ENTERS HERE																														
82	P6	1	32.40	0.059	30.00	0.0	7.08	15.49	0.00	1.40	0.48	0.33	2.22	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
83	P6	1	32.30	0.059	30.00	0.0	7.08	15.45	0.00	1.40	0.48	0.34	2.21	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
84	P6	1	32.20	0.059	30.00	0.0	7.08	15.42	0.00	1.40	0.47	0.34	2.21	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
85	P6	1	32.10	0.059	30.00	0.0	7.08	15.38	0.00	1.40	0.47	0.34	2.21	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
86	P6	1	32.00	0.059	30.00	0.0	7.09	15.35	0.00	1.40	0.46	0.35	2.21	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
87	P6	1	31.90	0.059	30.00	0.0	7.09	15.32	0.00	1.40	0.46	0.35	2.21	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
88	P6	1	31.80	0.059	30.00	0.0	7.09	15.28	0.00	1.40	0.46	0.35	2.21	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
89	P6	1	31.70	0.059	30.00	0.0	7.09	15.25	0.00	1.40	0.45	0.36	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00

90	P6	1	31.60	0.059	30.00	0.0	7.09	15.21	0.00	1.40	0.45	0.36	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
91	P6	1	31.50	0.059	30.00	0.0	7.09	15.18	0.00	1.40	0.44	0.36	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
92	P6	1	31.40	0.059	30.00	0.0	7.09	15.15	0.00	1.40	0.44	0.37	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.064	0.05	0.03	0.00	0.00	0.40	0.00
WASTELOAD # 093 (LAG541118) ENTERS HERE																															
93	P6	1	31.30	0.059	30.00	0.0	7.08	15.11	0.00	1.39	0.44	0.37	2.21	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
94	P6	1	31.20	0.059	30.00	0.0	7.08	15.07	0.00	1.39	0.43	0.38	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
95	P6	1	31.10	0.059	30.00	0.0	7.09	15.04	0.00	1.39	0.43	0.38	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
96	P6	1	31.00	0.059	30.00	0.0	7.09	15.00	0.00	1.39	0.43	0.38	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
97	P6	1	30.90	0.059	30.00	0.0	7.09	14.97	0.00	1.39	0.42	0.38	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
98	P6	1	30.80	0.059	30.00	0.0	7.10	14.94	0.00	1.39	0.42	0.39	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
99	P6	1	30.70	0.059	30.00	0.0	7.10	14.90	0.00	1.39	0.41	0.39	2.20	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
100	P6	1	30.60	0.059	30.00	0.0	7.10	14.87	0.00	1.39	0.41	0.39	2.19	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
101	P6	1	30.50	0.059	30.00	0.0	7.10	14.84	0.00	1.39	0.41	0.40	2.19	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
102	P6	1	30.40	0.059	30.00	0.0	7.11	14.80	0.00	1.39	0.40	0.40	2.19	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
103	P6	1	30.30	0.059	30.00	0.0	7.11	14.77	0.00	1.39	0.40	0.40	2.19	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
104	P6	1	30.20	0.059	30.00	0.0	7.11	14.73	0.00	1.39	0.39	0.40	2.19	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
105	P6	1	30.10	0.059	30.00	0.0	7.12	14.70	0.00	1.39	0.39	0.40	2.18	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
106	P6	1	30.00	0.059	30.00	0.0	7.12	14.67	0.00	1.39	0.39	0.41	2.18	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
107	P6	1	29.90	0.059	30.00	0.0	7.12	14.63	0.00	1.39	0.38	0.41	2.18	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
108	P6	1	29.80	0.059	30.00	0.0	7.12	14.60	0.00	1.39	0.38	0.41	2.18	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
109	P6	1	29.70	0.059	30.00	0.0	7.13	14.57	0.00	1.39	0.38	0.41	2.18	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
110	P6	1	29.60	0.059	30.00	0.0	7.13	14.53	0.00	1.39	0.37	0.42	2.18	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
111	P6	1	29.50	0.059	30.00	0.0	7.13	14.50	0.00	1.39	0.37	0.42	2.17	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
112	P6	1	29.40	0.059	30.00	0.0	7.13	14.47	0.00	1.39	0.37	0.42	2.17	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
113	P6	1	29.30	0.059	30.00	0.0	7.14	14.43	0.00	1.39	0.36	0.42	2.17	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
114	P6	1	29.20	0.059	30.00	0.0	7.14	14.40	0.00	1.39	0.36	0.42	2.17	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
115	P6	1	29.10	0.059	30.00	0.0	7.14	14.37	0.00	1.38	0.36	0.43	2.17	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
116	P6	1	29.00	0.059	30.00	0.0	7.14	14.33	0.00	1.38	0.35	0.43	2.16	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
117	P6	1	28.90	0.059	30.00	0.0	7.15	14.30	0.00	1.38	0.35	0.43	2.16	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
118	P6	1	28.80	0.059	30.00	0.0	7.15	14.27	0.00	1.38	0.35	0.43	2.16	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
119	P6	1	28.70	0.059	30.00	0.0	7.15	14.23	0.00	1.38	0.34	0.43	2.16	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
120	P6	1	28.60	0.059	30.00	0.0	7.16	14.20	0.00	1.38	0.34	0.43	2.16	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
121	P6	1	28.50	0.059	30.00	0.0	7.16	14.17	0.00	1.38	0.34	0.44	2.15	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
122	P6	1	28.40	0.059	30.00	0.0	7.16	14.14	0.00	1.38	0.33	0.44	2.15	0.00	0.00	1.5	0.0	0.50	2.7	0.043	0.043	7.559	3.067	0.05	0.03	0.00	0.00	0.40	0.00
TRIBUTARY # 123 (Pont. Trib.) ENTERS HERE																															
203	P5	3	28.30	0.070	30.07	0.0	7.17	14.84	0.00	1.63	0.46	0.49	2.58	0.00	0.00	2.6	0.0	0.18	3.3	0.116	0.116	7.549	12.043	0.05	0.07	0.00	0.00	0.40	0.00
204	P5	3	28.20	0.070	30.14	0.0	7.20	14.79	0.00	1.63	0.46	0.49	2.58	0.00	0.00	3.7	0.0	0.18	3.3	0.116	0.116	7.540	12.058	0.05	0.07	0.00	0.00	0.40	0.00
205	P5	3	28.10	0.071	30.21	0.0	7.23	14.73	0.00	1.64	0.45	0.49	2.58	0.00	0.00	4.8	0.0	0.18	3.3	0.117	0.117	7.531	12.073	0.05	0.07	0.00	0.00	0.41	0.00
206	P5	3	28.00	0.071	30.28	0.0	7.26	14.67	0.00	1.64	0.45	0.49	2.57	0.00	0.00	5.9	0.0	0.18	3.3	0.117	0.117	7.522	12.087	0.05	0.07	0.00	0.00	0.41	0.00
207	P5	3	27.90	0.071	30.35	0.0	7.28	14.62	0.00	1.64	0.45	0.48	2.57	0.00	0.00	7.0	0.0	0.18	3.3	0.118	0.118	7.513	12.102	0.05	0.07	0.00	0.00	0.41	0.00
208	P5	3	27.80	0.072	30.42	0.0	7.30	14.56	0.00	1.64	0.44	0.48	2.56	0.00	0.00	8.1	0.0	0.18	3.3	0.119	0.119	7.504	12.117	0.05	0.07	0.00	0.00	0.41	0.00
209	P5	3	27.70	0.072	30.49	0.0	7.31	14.51	0.00	1.64	0.44	0.48	2.56	0.00	0.00	9.2	0.0	0.18	3.3	0.119	0.119	7.495	12.131	0.05	0.07	0.00	0.00	0.42	0.00
210	P5	3	27.60	0.073	30.56	0.0	7.33	14.46	0.00	1.64	0.44	0.48	2.56	0.00	0.00	10.3	0.0	0.18	3.3	0.120	0.120	7.486	12.145	0.05	0.07	0.00	0.00	0.42	0.00
211	P5	3	27.50	0.073	30.63	0.0	7.34	14.41	0.00	1.64	0.43	0.48	2.55	0.00	0.00	11.4	0.0	0.18	3.3	0.120	0.120	7.477	12.160	0.05	0.07	0.00	0.00	0.42	0.00
212	P5	3	27.40	0.073	30.70	0.0	7.35	14.35	0.00	1.64	0.43	0.48	2.55	0.00	0.00	12.4	0.0	0.18	3.3	0.121	0.121	7.468	12.174	0.05	0.07	0.00	0.00	0.42	0.00
WASTELOAD # 213 (Grp2-Rch3) ENTERS HERE																															
213	P5	3	27.30	0.074	30.77	0.0	7.34	14.56	0.00	1.66	0.47	0.48	2.61	0.00	0.00	13.5	0.0	0.18	3.3	0.122	0.122	7.458	12.190	0.05	0.07	0.00	0.00	0.42	0.00
214	P5	3	27.20	0.074	30.84	0.0	7.35	14.51	0.00	1.66	0.47	0.48	2.61	0.00	0.00	14.6	0.0	0.18	3.3	0.122	0.122	7.450	12.205	0.05	0.07	0.00	0.00	0.43	0.00
215	P5	3	27.10	0.075	30.91	0.0	7.36	14.46	0.00	1.66	0.46	0.48	2.60	0.00	0.00	15.7	0.0	0.18	3.3	0.123	0.123	7.441	12.219	0.05	0.07	0.00	0.00	0.43	0.00
216	P5	3	27.00	0.075	30.98	0.0	7.37	14.41	0.00	1.66	0.46	0.48	2.60	0.00	0.00	16.8	0.0	0.18	3.3	0.123	0.123	7.432	12.234	0.05	0.07	0.00	0.00	0.43	0.00
217	P5	3	26.90	0.076	31.05	0.0	7.37	14.36	0.00	1.66	0.46	0.47	2.59	0.00	0.00	17.9	0.0	0.18	3.3	0.124	0.124	7.423	12.248	0.05	0.07	0.00	0.00	0.43	0.00
218	P5	3	26.80	0.076	31.12	0.0	7.38	14.31	0.00	1.66	0.45	0.47	2.59	0.00	0.00	19.0	0.0	0.18	3.3	0.124	0.124	7.414	12.263	0.05	0.07	0.00	0.00	0.44	0.00
219	P5	3	26.70	0.076	31.19	0.0	7.39	14.26	0.00	1.66	0.45	0.47	2.58	0.00	0.00	20.1	0.0	0.18	3.3	0.125	0.125	7.405	12.277	0.05	0.07	0.00	0.00	0.44	0.00
WASTELOAD # 220 (Grp3-Rch3) ENTERS HERE																															
220	P5	3	26.60	0.077	31.26	0.0	7.37	14.48	0.00	1.68	0.49	0.47	2.65	0.00	0.00	21.2	0.0	0.18	3.3	0.126	0.126	7.397	12.292	0.05	0.07	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	0.077	31.34	0.0	7.38	14.43	0.00	1.68	0.49	0.47	2.64	0.00	0.00	22.3	0.0	0.18	3.3	0.126	0.126	7.388	12.306	0.05	0.07	0.00	0.00	0.44	0.00
222	P5	3	26.40	0.078	31.41	0.0	7.38	14.38	0.00	1.68	0.48	0.47	2.64	0.00	0.00	23.4	0.0	0.18	3.3	0.127	0.127	7.379	12.322	0.05	0.07	0.00	0.00	0.45	0.00
223	P5	3	26.30	0.078	31.48	0.0	7.39	14.33	0.00	1.68	0.48	0.47	2.63	0.00	0.00	24.5	0.0	0.18	3.3	0.128	0.128	7.370	12.337	0.05	0.07	0.00	0.00	0.45	0.00
224	P5	3	26.20	0.078	31.55	0.0	7.39	14.28	0.00	1.68	0.48	0.47	2.63	0.00	0.00	25.6	0.0	0.18	3.3	0.128	0.128	7.361	12.352	0.05	0.07	0.00	0.00	0.45	0.00
225	P5	3	26.10	0.079	31.62	0.0	7.39	14.23	0.00	1.68	0.47	0.46	2.62	0.00	0.00	26.7	0.0	0.18	3.3	0.129	0.129	7.352	12.366	0.05	0.07	0.00	0.00	0.45	0.00
226	P5	3	26.00	0.079	31.69	0.0	7.39	14.19	0.00	1.68	0.47	0.46	2.62	0.00	0.00	27.8	0.0	0.18	3.3	0.129	0.129	7.343	12.381	0.05	0.07	0.00	0.00	0.46	0.00
227	P5	3	25.90	0.080	31.76	0.0	7.40	14.14	0.00	1.69	0.47	0.46	2.61	0.00	0.00	28.9	0.0	0.18	3.3	0.130	0.130	7.334	12.396	0.05	0.07	0.00	0.00	0.46	0.00
WASTELOAD # 228 (LAG532004) ENTERS HERE																															
228	P5	3	25.80	0.080	31.83	0.0	7.40	14.13	0.00	1.69	0.47	0.46	2.62	0.00	0.00	30.0	0.0	0.18	3.3	0.130	0.130	7.326	12.411	0.05	0.07	0.00	0.00	0.46	0.00
229	P5	3	25.70	0.080	31.90	0.0	7.40	14.08	0.00	1.69	0.47	0.46	2.61	0.00	0.00	31.1	0.0	0.18	3.3	0.131	0.131	7.317	12.425	0.05	0.07	0.00	0.00	0.46	0.00
230	P5	3	25.60	0.081	31.97	0.0	7.40	14.03	0.00	1.69	0.46	0.46	2.61	0.00	0.00	32.1	0.0	0.18	3.3	0.131	0.131	7.308	12.441	0.05	0.07	0.00	0.00	0.47	0.00
231	P5	3	25.50	0.081	32.04	0.0	7.40	13.99	0.00	1.69	0.46	0.45	2.60	0.00	0.00	33.2	0.0	0.18	3.3	0.132	0.132	7.300	12.454	0.05	0.07	0.00	0.00	0.47	0.00
232	P5	3	25.40	0.082	32.11	0.0	7.40	13.94	0.00	1.69	0.46	0.45	2.60	0.00	0.00	34.3	0.0	0.18	3.3	0.132	0.132	7.291	12.470	0.05	0.07	0.00	0.00	0.47	0.00

233	P5	3	25.30	0.082	32.18	0.0	7.40	13.90	0.00	1.69	0.45	0.45	2.59	0.00	0.00	35.4	0.0	0.18	3.3	0.133	0.133	7.283	12.485	0.05	0.07	0.00	0.00	0.48	0.00
234	P5	3	25.20	0.082	32.25	0.0	7.41	13.85	0.00	1.69	0.45	0.45	2.59	0.00	0.00	36.5	0.0	0.18	3.3	0.134	0.134	7.274	12.499	0.05	0.07	0.00	0.00	0.48	0.00
235	P5	3	25.10	0.083	32.32	0.0	7.41	13.81	0.00	1.69	0.45	0.45	2.58	0.00	0.00	37.6	0.0	0.18	3.3	0.134	0.134	7.265	12.515	0.05	0.07	0.00	0.00	0.48	0.00
WASTELOAD # 236 (Grp4-Rch3) ENTERS HERE																														
236	P5	3	25.00	0.085	32.39	0.0	7.34	14.18	0.00	1.71	0.53	0.48	2.72	0.00	0.00	38.7	0.0	0.18	3.3	0.137	0.137	7.257	12.529	0.05	0.07	0.00	0.00	0.48	0.00
237	P5	3	24.90	0.085	32.46	0.0	7.35	14.13	0.00	1.71	0.53	0.47	2.71	0.00	0.00	39.8	0.0	0.18	3.3	0.138	0.138	7.248	12.544	0.05	0.07	0.00	0.00	0.49	0.00
238	P5	3	24.80	0.086	32.53	0.0	7.35	14.09	0.00	1.71	0.53	0.47	2.71	0.00	0.00	40.9	0.0	0.18	3.3	0.138	0.138	7.240	12.558	0.05	0.07	0.00	0.00	0.49	0.00
DIVERSION # 239 (YWRC) LEAVES HERE																														
239	P5	3	24.70	0.032	32.60	0.0	7.36	14.05	0.00	1.71	0.52	0.47	2.70	0.00	0.00	42.0	0.0	0.16	3.3	0.059	0.059	7.231	11.607	0.05	0.08	0.00	0.00	0.49	0.00
240	P4	4	24.60	0.033	32.53	0.0	7.42	13.91	0.00	1.71	0.51	0.47	2.68	0.00	0.00	41.0	0.0	0.44	3.1	0.024	0.024	7.239	2.883	0.05	0.03	0.00	0.00	0.49	0.00
241	P4	4	24.50	0.033	32.47	0.0	7.48	13.78	0.00	1.71	0.49	0.46	2.66	0.00	0.00	40.0	0.0	0.44	3.1	0.024	0.024	7.247	2.885	0.05	0.03	0.00	0.00	0.49	0.00
242	P4	4	24.40	0.033	32.40	0.0	7.53	13.66	0.00	1.71	0.48	0.45	2.64	0.00	0.00	39.0	0.0	0.44	3.1	0.025	0.025	7.255	2.888	0.05	0.03	0.00	0.00	0.48	0.00
243	P4	4	24.30	0.034	32.34	0.0	7.57	13.54	0.00	1.71	0.47	0.45	2.63	0.00	0.00	38.0	0.0	0.44	3.1	0.025	0.025	7.263	2.890	0.05	0.03	0.00	0.00	0.48	0.00
244	P4	4	24.20	0.034	32.27	0.0	7.60	13.42	0.00	1.71	0.45	0.44	2.61	0.00	0.00	37.0	0.0	0.44	3.1	0.025	0.025	7.271	2.892	0.05	0.03	0.00	0.00	0.48	0.00
245	P4	4	24.10	0.034	32.21	0.0	7.63	13.30	0.00	1.71	0.44	0.44	2.59	0.00	0.00	36.0	0.0	0.44	3.1	0.025	0.025	7.279	2.894	0.05	0.03	0.00	0.00	0.48	0.00
246	P4	4	24.00	0.035	32.15	0.0	7.65	13.19	0.00	1.71	0.43	0.43	2.57	0.00	0.00	35.0	0.0	0.44	3.1	0.025	0.025	7.287	2.896	0.05	0.03	0.00	0.00	0.47	0.00
247	P4	4	23.90	0.035	32.08	0.0	7.67	13.08	0.00	1.71	0.42	0.43	2.56	0.00	0.00	34.0	0.0	0.44	3.1	0.026	0.026	7.295	2.898	0.05	0.03	0.00	0.00	0.47	0.00
248	P4	4	23.80	0.035	32.01	0.0	7.68	12.97	0.00	1.71	0.41	0.42	2.54	0.00	0.00	33.1	0.0	0.44	3.1	0.026	0.026	7.303	2.900	0.05	0.03	0.00	0.00	0.47	0.00
249	P4	4	23.70	0.036	31.95	0.0	7.69	12.86	0.00	1.71	0.40	0.42	2.53	0.00	0.00	32.1	0.0	0.44	3.1	0.026	0.026	7.311	2.903	0.05	0.03	0.00	0.00	0.47	0.00
250	P4	4	23.60	0.036	31.88	0.0	7.70	12.76	0.00	1.71	0.39	0.41	2.51	0.00	0.00	31.1	0.0	0.44	3.1	0.026	0.026	7.319	2.905	0.05	0.03	0.00	0.00	0.46	0.00
251	P4	4	23.50	0.036	31.82	0.0	7.70	12.66	0.00	1.71	0.38	0.41	2.50	0.00	0.00	30.1	0.0	0.45	3.1	0.027	0.027	7.327	2.907	0.05	0.03	0.00	0.00	0.46	0.00
252	P4	4	23.40	0.037	31.75	0.0	7.71	12.56	0.00	1.71	0.37	0.40	2.49	0.00	0.00	29.1	0.0	0.45	3.1	0.027	0.027	7.335	2.909	0.05	0.03	0.00	0.00	0.46	0.00
253	P4	4	23.30	0.037	31.69	0.0	7.71	12.47	0.00	1.71	0.36	0.40	2.47	0.00	0.00	28.1	0.0	0.45	3.1	0.027	0.027	7.343	2.911	0.05	0.03	0.00	0.00	0.46	0.00
254	P4	4	23.20	0.037	31.62	0.0	7.70	12.38	0.00	1.72	0.35	0.39	2.46	0.00	0.00	27.1	0.0	0.45	3.1	0.027	0.027	7.351	2.913	0.05	0.03	0.00	0.00	0.45	0.00
255	P4	4	23.10	0.038	31.56	0.0	7.70	12.29	0.00	1.72	0.34	0.39	2.45	0.00	0.00	26.1	0.0	0.45	3.1	0.027	0.027	7.359	2.915	0.05	0.03	0.00	0.00	0.45	0.00
256	P4	4	23.00	0.038	31.49	0.0	7.70	12.20	0.00	1.72	0.34	0.39	2.44	0.00	0.00	25.1	0.0	0.45	3.1	0.028	0.028	7.367	2.917	0.05	0.03	0.00	0.00	0.45	0.00
257	P4	4	22.90	0.039	31.43	0.0	7.69	12.11	0.00	1.72	0.33	0.38	2.43	0.00	0.00	24.1	0.0	0.45	3.1	0.028	0.028	7.376	2.919	0.05	0.03	0.00	0.00	0.45	0.00
258	P4	4	22.80	0.039	31.36	0.0	7.69	12.03	0.00	1.72	0.32	0.38	2.42	0.00	0.00	23.1	0.0	0.45	3.1	0.028	0.028	7.384	2.922	0.05	0.03	0.00	0.00	0.45	0.00
259	P4	4	22.70	0.039	31.30	0.0	7.68	11.95	0.00	1.72	0.31	0.38	2.41	0.00	0.00	22.1	0.0	0.45	3.1	0.028	0.028	7.392	2.924	0.05	0.03	0.00	0.00	0.44	0.00
260	P4	4	22.60	0.040	31.23	0.0	7.67	11.87	0.00	1.72	0.31	0.37	2.40	0.00	0.00	21.1	0.0	0.45	3.1	0.029	0.029	7.400	2.926	0.05	0.03	0.00	0.00	0.44	0.00
261	P4	4	22.50	0.040	31.17	0.0	7.66	11.79	0.00	1.72	0.30	0.37	2.39	0.00	0.00	20.1	0.0	0.45	3.1	0.029	0.029	7.408	2.928	0.05	0.03	0.00	0.00	0.44	0.00
262	P4	4	22.40	0.040	31.10	0.0	7.66	11.71	0.00	1.72	0.30	0.36	2.38	0.00	0.00	19.1	0.0	0.45	3.1	0.029	0.029	7.416	2.930	0.05	0.03	0.00	0.00	0.44	0.00
263	P4	4	22.30	0.041	31.04	0.0	7.65	11.63	0.00	1.72	0.29	0.36	2.37	0.00	0.00	18.2	0.0	0.45	3.1	0.029	0.029	7.425	2.932	0.05	0.03	0.00	0.00	0.43	0.00
264	P4	4	22.20	0.041	30.97	0.0	7.64	11.56	0.00	1.72	0.28	0.36	2.36	0.00	0.00	17.2	0.0	0.45	3.1	0.029	0.029	7.433	2.934	0.05	0.03	0.00	0.00	0.43	0.00
265	P4	4	22.10	0.041	30.91	0.0	7.63	11.49	0.00	1.72	0.28	0.36	2.35	0.00	0.00	16.2	0.0	0.45	3.1	0.030	0.030	7.441	2.936	0.05	0.03	0.00	0.00	0.43	0.00
266	P4	4	22.00	0.042	30.84	0.0	7.62	11.42	0.00	1.72	0.27	0.35	2.35	0.00	0.00	15.2	0.0	0.45	3.1	0.030	0.030	7.450	2.938	0.05	0.03	0.00	0.00	0.43	0.00
267	P4	4	21.90	0.042	30.78	0.0	7.61	11.35	0.00	1.72	0.27	0.35	2.34	0.00	0.00	14.2	0.0	0.45	3.1	0.030	0.030	7.458	2.940	0.05	0.03	0.00	0.00	0.43	0.00
268	P4	4	21.80	0.042	30.72	0.0	7.59	11.28	0.00	1.72	0.26	0.35	2.33	0.00	0.00	13.2	0.0	0.45	3.1	0.030	0.030	7.466	2.942	0.05	0.03	0.00	0.00	0.42	0.00
269	P4	4	21.70	0.043	30.65	0.0	7.58	11.22	0.00	1.72	0.26	0.35	2.32	0.00	0.00	12.2	0.0	0.45	3.1	0.031	0.031	7.474	2.944	0.05	0.03	0.00	0.00	0.42	0.00
270	P4	4	21.60	0.043	30.58	0.0	7.57	11.15	0.00	1.72	0.25	0.34	2.32	0.00	0.00	11.2	0.0	0.46	3.1	0.031	0.031	7.482	2.946	0.05	0.03	0.00	0.00	0.42	0.00
271	P4	4	21.50	0.043	30.52	0.0	7.56	11.09	0.00	1.72	0.25	0.34	2.31	0.00	0.00	10.2	0.0	0.46	3.1	0.031	0.031	7.491	2.948	0.05	0.03	0.00	0.00	0.42	0.00
272	P4	4	21.40	0.044	30.45	0.0	7.55	11.03	0.00	1.72	0.25	0.34	2.31	0.00	0.00	9.2	0.0	0.46	3.1	0.031	0.031	7.500	2.950	0.05	0.03	0.00	0.00	0.41	0.00
273	P4	4	21.30	0.044	30.39	0.0	7.54	10.97	0.00	1.72	0.24	0.34	2.30	0.00	0.00	8.2	0.0	0.46	3.1	0.031	0.031	7.508	2.952	0.05	0.03	0.00	0.00	0.41	0.00
274	P4	4	21.20	0.045	30.33	0.0	7.52	10.91	0.00	1.72	0.24	0.33	2.29	0.00	0.00	7.2	0.0	0.46	3.1	0.032	0.032	7.516	2.954	0.05	0.03	0.00	0.00	0.41	0.00
275	P4	4	21.10	0.045	30.26	0.0	7.51	10.85	0.00	1.72	0.23	0.33	2.29	0.00	0.00	6.2	0.0	0.46	3.1	0.032	0.032	7.524	2.956	0.05	0.03	0.00	0.00	0.41	0.00
276	P4	4	21.00	0.045	30.19	0.0	7.50	10.79	0.00	1.72	0.23	0.33	2.28	0.00	0.00	5.2	0.0	0.46	3.1	0.032	0.032	7.533	2.958	0.05	0.03	0.00	0.00	0.41	0.00
WASTELOAD # 277 (Grp5-Rch4) ENTERS HERE																														
277	P4	4	20.90	0.046	30.13	0.0	7.40	11.69	0.00	1.78	0.39	0.36	2.52	0.00	0.00	4.2	0.0	0.46	3.1	0.033	0.033	7.542	2.972	0.05	0.03	0.00	0.00	0.40	0.00
278	P4	4	20.80	0.047	30.07	0.0	7.38	11.62	0.00	1.78	0.38	0.36	2.52	0.00	0.00	3.2	0.0	0.46	3.1	0.033	0.033	7.550	2.974	0.05	0.03	0.00	0.00	0.40	0.00
279	P4	4	20.70	0.047	30.00	0.0	7.37	11.56	0.00	1.78	0.37	0.36	2.51	0.00	0.00	2.2	0.0	0.46	3.1	0.033	0.033	7.559	2.976	0.05	0.03	0.00	0.00	0.40	0.00
TRIBUTARY # 280 (East Pont.) ENTERS HERE																														
389	P3	6	20.60	0.098	30.04	0.0	5.92	12.08	0.00	1.47	0.31	0.36	2.14	0.00	0.00	2.5	0.0	0.13	3.2	0.242	0.242	7.553	12.037	0.05	0.10	0.00	0.00	0.40	0.56
390	P3	6	20.50	0.103	30.08	0.0	6.03	12.96	0.00	1.44	0.30	0.36	2.11	0.00	0.00	2.7	0.0	0.13	3.2	0.253	0.253	7.548	12.045	0.05	0.10	0.00	0.00	0.40	0.57
391	P3	6	20.40	0.108	30.12	0.0	6.13	13.76	0.00	1.42	0.30	0.37	2.09	0.00	0.00	2.9	0.0	0.13	3.2	0.263	0.263	7.543	12.054	0.05	0.10	0.00	0.00	0.40	0.57
392	P3	6	20.30	0.113	30.16	0.0	6.21	14.48	0.00	1.40	0.30	0.37	2.07	0.00	0.00	3.1	0.0	0.13	3.2	0.274	0.274	7.538	12.062	0.05	0.10	0.00	0.00	0.40	0.57
WASTELOAD # 393 (LAG541365) ENTERS HERE																														
393	P3	6	20.20	0.118	30.20	0.0	6.27	15.32	0.00	1.40	0.33	0.37	2.10	0.00	0.00	3.3	0.0	0.13	3.2	0.286	0.286	7.532	12.071	0.05	0.10	0.00	0.00	0.41	0.57
394	P3	6	20.10	0.124	30.24	0.0	6.34	15.92	0.00	1.38	0.33	0.37	2.08	0.00	0.00	3.5	0.0	0.13	3.2	0.297	0.297	7.528	12.078	0.05	0.10	0.00	0.00	0.41	0.57
395	P3	6	20.00	0.129	30.28	0.0	6.39	16.47	0.00	1.37	0.33	0.37	2.07	0.00	0.00	3.7	0.0	0.13	3.2	0.307	0.307	7.522	12.086	0.05	0.10	0.00	0.00	0.41	0.57
396	P3	6	19.90	0.134	30.32	0.0	6.44	16.97	0.00	1.35	0.33	0.37	2.05	0.00	0.00	3.9	0.0	0.13	3.2	0.318	0.318	7.517	12.096	0.05	0.10	0.00	0.00	0.41	0.57
397	P3	6	19.80	0.139	30.36	0.0	6.49	17.44	0.00	1.34	0.33	0.37	2.04	0.00	0.00	4.1	0.0	0.13	3.2	0.328	0.328	7.512	12.104	0.05	0.10	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	0.144	30.40	0.0	6.53	17.88	0.00	1.33	0.32	0.37	2.02	0.00	0.00	4.3	0.0	0.13	3.2	0.339	0.339	7.507	12.111	0.05	0.10	0.00	0.00	0.41	0.58
399	P3 6	19.60	0.149	30.44	0.0	6.56	18.28	0.00	1.31	0.32	0.37	2.01	0.00	0.00	4.5	0.0	0.13	3.2	0.349	0.349	7.502	12.120	0.05	0.10	0.00	0.00	0.41	0.58
400	P3 6	19.50	0.154	30.48	0.0	6.60	18.66	0.00	1.30	0.32	0.37	2.00	0.00	0.00	4.7	0.0	0.13	3.2	0.360	0.360	7.497	12.128	0.05	0.10	0.00	0.00	0.42	0.58
401	P3 6	19.40	0.159	30.52	0.0	6.62	19.02	0.00	1.29	0.32	0.37	1.99	0.00	0.00	4.9	0.0	0.13	3.2	0.370	0.370	7.491	12.137	0.05	0.10	0.00	0.00	0.42	0.58
402	P3 6	19.30	0.164	30.56	0.0	6.65	19.35	0.00	1.29	0.32	0.37	1.98	0.00	0.00	5.1	0.0	0.13	3.2	0.380	0.380	7.486	12.145	0.05	0.10	0.00	0.00	0.42	0.58
403	P3 6	19.20	0.169	30.60	0.0	6.67	19.66	0.00	1.28	0.32	0.37	1.97	0.00	0.00	5.3	0.0	0.14	3.2	0.391	0.391	7.481	12.153	0.05	0.09	0.00	0.00	0.42	0.58
404	P3 6	19.10	0.175	30.64	0.0	6.70	19.95	0.00	1.27	0.32	0.37	1.96	0.00	0.00	5.5	0.0	0.14	3.2	0.401	0.401	7.476	12.161	0.05	0.09	0.00	0.00	0.42	0.59

405	P3	6	19.00	0.180	30.68	0.0	6.72	20.23	0.00	1.26	0.31	0.37	1.95	0.00	0.00	5.7	0.0	0.14	3.2	0.411	0.411	7.471	12.170	0.05	0.09	0.00	0.00	0.42	0.59
406	P3	6	18.90	0.185	30.72	0.0	6.73	20.49	0.00	1.25	0.31	0.37	1.94	0.00	0.00	5.9	0.0	0.14	3.2	0.421	0.421	7.466	12.178	0.05	0.09	0.00	0.00	0.42	0.59
407	P3	6	18.80	0.190	30.76	0.0	6.75	20.74	0.00	1.25	0.31	0.37	1.93	0.00	0.00	6.1	0.0	0.14	3.2	0.432	0.432	7.461	12.185	0.05	0.09	0.00	0.00	0.42	0.59
408	P3	6	18.70	0.195	30.80	0.0	6.76	20.97	0.00	1.24	0.31	0.37	1.93	0.00	0.00	6.3	0.0	0.14	3.2	0.442	0.442	7.456	12.194	0.05	0.09	0.00	0.00	0.43	0.59
409	P3	6	18.60	0.200	30.84	0.0	6.78	21.19	0.00	1.23	0.31	0.37	1.92	0.00	0.00	6.5	0.0	0.14	3.2	0.452	0.452	7.451	12.202	0.05	0.09	0.00	0.00	0.43	0.59
410	P3	6	18.50	0.205	30.88	0.0	6.79	21.40	0.00	1.23	0.31	0.37	1.91	0.00	0.00	6.7	0.0	0.14	3.2	0.462	0.462	7.446	12.211	0.05	0.09	0.00	0.00	0.43	0.60
411	P3	6	18.40	0.210	30.92	0.0	6.80	21.61	0.00	1.22	0.31	0.37	1.91	0.00	0.00	6.9	0.0	0.14	3.2	0.472	0.472	7.441	12.219	0.05	0.09	0.00	0.00	0.43	0.60
412	P3	6	18.30	0.215	30.96	0.0	6.81	21.80	0.00	1.22	0.31	0.37	1.90	0.00	0.00	7.1	0.0	0.14	3.2	0.482	0.482	7.436	12.227	0.05	0.09	0.00	0.00	0.43	0.60
413	P3	6	18.20	0.220	30.99	0.0	6.82	21.98	0.00	1.21	0.31	0.37	1.89	0.00	0.00	7.3	0.0	0.14	3.2	0.492	0.492	7.430	12.237	0.05	0.09	0.00	0.00	0.43	0.60
414	P3	6	18.10	0.226	31.03	0.0	6.83	22.15	0.00	1.21	0.31	0.37	1.89	0.00	0.00	7.5	0.0	0.14	3.2	0.502	0.502	7.426	12.244	0.05	0.09	0.00	0.00	0.43	0.60
415	P3	6	18.00	0.231	31.07	0.0	6.84	22.32	0.00	1.20	0.31	0.37	1.88	0.00	0.00	7.7	0.0	0.14	3.2	0.511	0.511	7.420	12.253	0.05	0.09	0.00	0.00	0.44	0.60
416	P3	6	17.90	0.236	31.11	0.0	6.84	22.48	0.00	1.20	0.31	0.37	1.88	0.00	0.00	7.9	0.0	0.14	3.2	0.521	0.521	7.415	12.262	0.05	0.09	0.00	0.00	0.44	0.60
417	P3	6	17.80	0.241	31.15	0.0	6.85	22.63	0.00	1.19	0.31	0.37	1.87	0.00	0.00	8.1	0.0	0.14	3.2	0.531	0.531	7.410	12.270	0.05	0.09	0.00	0.00	0.44	0.61
418	P3	6	17.70	0.246	31.19	0.0	6.86	22.77	0.00	1.19	0.30	0.37	1.87	0.00	0.00	8.3	0.0	0.14	3.2	0.541	0.541	7.406	12.277	0.05	0.09	0.00	0.00	0.44	0.61
419	P3	6	17.60	0.251	31.23	0.0	6.86	22.91	0.00	1.19	0.30	0.37	1.86	0.00	0.00	8.5	0.0	0.14	3.2	0.551	0.551	7.400	12.286	0.05	0.09	0.00	0.00	0.44	0.61
420	P3	6	17.50	0.256	31.27	0.0	6.87	23.05	0.00	1.18	0.30	0.37	1.86	0.00	0.00	8.7	0.0	0.14	3.2	0.560	0.560	7.395	12.295	0.05	0.09	0.00	0.00	0.44	0.61
421	P3	6	17.40	0.261	31.31	0.0	6.87	23.18	0.00	1.18	0.30	0.37	1.86	0.00	0.00	8.9	0.0	0.14	3.2	0.570	0.570	7.390	12.303	0.05	0.09	0.00	0.00	0.44	0.61
422	P3	6	17.30	0.266	31.35	0.0	6.88	23.30	0.00	1.18	0.30	0.37	1.85	0.00	0.00	9.1	0.0	0.14	3.2	0.580	0.580	7.385	12.312	0.05	0.09	0.00	0.00	0.45	0.61
423	P3	6	17.20	0.272	31.39	0.0	6.88	23.42	0.00	1.17	0.30	0.37	1.85	0.00	0.00	9.3	0.0	0.14	3.2	0.589	0.589	7.380	12.320	0.05	0.09	0.00	0.00	0.45	0.61
424	P3	6	17.10	0.277	31.43	0.0	6.88	23.53	0.00	1.17	0.30	0.37	1.84	0.00	0.00	9.5	0.0	0.14	3.2	0.599	0.599	7.375	12.328	0.05	0.09	0.00	0.00	0.45	0.62
425	P3	6	17.00	0.282	31.47	0.0	6.89	23.64	0.00	1.17	0.30	0.37	1.84	0.00	0.00	9.7	0.0	0.14	3.2	0.609	0.609	7.370	12.336	0.05	0.09	0.00	0.00	0.45	0.62
426	P3	6	16.90	0.287	31.51	0.0	6.89	23.75	0.00	1.16	0.30	0.37	1.84	0.00	0.00	9.9	0.0	0.14	3.2	0.618	0.618	7.366	12.344	0.05	0.09	0.00	0.00	0.45	0.62
427	P3	6	16.80	0.292	31.55	0.0	6.89	23.85	0.00	1.16	0.30	0.37	1.83	0.00	0.00	10.1	0.0	0.15	3.2	0.628	0.628	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	0.299	31.59	0.0	6.87	24.10	0.00	1.17	0.34	0.38	1.90	0.00	0.00	10.3	0.0	0.15	3.2	0.641	0.641	7.356	12.361	0.05	0.09	0.00	0.00	0.45	0.62
429	P3	6	16.60	0.304	31.63	0.0	6.88	24.19	0.00	1.17	0.34	0.38	1.89	0.00	0.00	10.5	0.0	0.15	3.2	0.650	0.650	7.350	12.369	0.05	0.09	0.00	0.00	0.46	0.62
430	P3	6	16.50	0.309	31.67	0.0	6.88	24.28	0.00	1.17	0.34	0.38	1.89	0.00	0.00	10.7	0.0	0.15	3.2	0.660	0.660	7.346	12.377	0.05	0.09	0.00	0.00	0.46	0.63
431	P3	6	16.40	0.314	31.71	0.0	6.88	24.37	0.00	1.16	0.34	0.38	1.88	0.00	0.00	10.9	0.0	0.15	3.2	0.670	0.670	7.340	12.386	0.05	0.09	0.00	0.00	0.46	0.63
432	P3	6	16.30	0.319	31.75	0.0	6.89	24.45	0.00	1.16	0.34	0.38	1.88	0.00	0.00	11.1	0.0	0.15	3.2	0.679	0.679	7.335	12.395	0.05	0.09	0.00	0.00	0.46	0.63
433	P3	6	16.20	0.324	31.79	0.0	6.89	24.53	0.00	1.16	0.34	0.38	1.88	0.00	0.00	11.3	0.0	0.15	3.2	0.688	0.688	7.331	12.403	0.05	0.09	0.00	0.00	0.46	0.63
434	P3	6	16.10	0.329	31.83	0.0	6.89	24.61	0.00	1.16	0.33	0.38	1.87	0.00	0.00	11.5	0.0	0.15	3.2	0.698	0.698	7.326	12.411	0.05	0.09	0.00	0.00	0.46	0.63
435	P3	6	16.00	0.335	31.87	0.0	6.89	24.69	0.00	1.15	0.33	0.38	1.87	0.00	0.00	11.7	0.0	0.15	3.2	0.707	0.707	7.321	12.420	0.05	0.09	0.00	0.00	0.46	0.63
436	P3	6	15.90	0.340	31.91	0.0	6.89	24.76	0.00	1.15	0.33	0.38	1.87	0.00	0.00	11.9	0.0	0.15	3.2	0.717	0.717	7.316	12.428	0.05	0.09	0.00	0.00	0.47	0.64
437	P3	6	15.80	0.345	31.95	0.0	6.90	24.83	0.00	1.15	0.33	0.38	1.86	0.00	0.00	12.1	0.0	0.15	3.2	0.726	0.726	7.311	12.436	0.05	0.09	0.00	0.00	0.47	0.64
438	P3	6	15.70	0.350	31.99	0.0	6.90	24.90	0.00	1.15	0.33	0.38	1.86	0.00	0.00	12.3	0.0	0.15	3.2	0.735	0.735	7.305	12.445	0.05	0.09	0.00	0.00	0.47	0.64
439	P3	6	15.60	0.355	32.03	0.0	6.90	24.97	0.00	1.14	0.33	0.38	1.86	0.00	0.00	12.5	0.0	0.15	3.2	0.745	0.745	7.301	12.454	0.05	0.09	0.00	0.00	0.47	0.64
440	P3	6	15.50	0.360	32.07	0.0	6.90	25.04	0.00	1.14	0.33	0.38	1.85	0.00	0.00	12.7	0.0	0.15	3.2	0.754	0.754	7.296	12.462	0.05	0.09	0.00	0.00	0.47	0.64
441	P3	6	15.40	0.365	32.11	0.0	6.90	25.10	0.00	1.14	0.33	0.38	1.85	0.00	0.00	12.9	0.0	0.15	3.2	0.763	0.763	7.292	12.469	0.05	0.09	0.00	0.00	0.47	0.64
442	P3	6	15.30	0.370	32.15	0.0	6.90	25.16	0.00	1.14	0.33	0.38	1.85	0.00	0.00	13.1	0.0	0.15	3.2	0.773	0.773	7.286	12.478	0.05	0.09	0.00	0.00	0.47	0.64
443	P3	6	15.20	0.375	32.19	0.0	6.90	25.22	0.00	1.14	0.33	0.38	1.85	0.00	0.00	13.3	0.0	0.15	3.2	0.782	0.782	7.281	12.487	0.05	0.09	0.00	0.00	0.48	0.65
444	P3	6	15.10	0.380	32.23	0.0	6.90	25.28	0.00	1.13	0.33	0.38	1.84	0.00	0.00	13.5	0.0	0.15	3.2	0.791	0.791	7.276	12.496	0.05	0.09	0.00	0.00	0.48	0.65
445	P3	6	15.00	0.386	32.27	0.0	6.90	25.34	0.00	1.13	0.33	0.38	1.84	0.00	0.00	13.7	0.0	0.15	3.2	0.801	0.801	7.272	12.503	0.05	0.09	0.00	0.00	0.48	0.65
446	P3	6	14.90	0.391	32.31	0.0	6.90	25.39	0.00	1.13	0.33	0.38	1.84	0.00	0.00	13.9	0.0	0.15	3.2	0.810	0.810	7.267	12.511	0.05	0.09	0.00	0.00	0.48	0.65
447	P3	6	14.80	0.396	32.35	0.0	6.90	25.45	0.00	1.13	0.32	0.38	1.83	0.00	0.00	14.1	0.0	0.15	3.2	0.819	0.819	7.262	12.520	0.05	0.09	0.00	0.00	0.48	0.65
448	P3	6	14.70	0.401	32.39	0.0	6.90	25.50	0.00	1.13	0.32	0.38	1.83	0.00	0.00	14.3	0.0	0.15	3.2	0.828	0.828	7.257	12.528	0.05	0.09	0.00	0.00	0.48	0.65
449	P3	6	14.60	0.406	32.43	0.0	6.90	25.55	0.00	1.13	0.32	0.38	1.83	0.00	0.00	14.5	0.0	0.15	3.2	0.837	0.837	7.252	12.537	0.05	0.09	0.00	0.00	0.48	0.66
450	P3	6	14.50	0.411	32.47	0.0	6.90	25.60	0.00	1.12	0.32	0.38	1.83	0.00	0.00	14.7	0.0	0.15	3.2	0.847	0.847	7.248	12.545	0.05	0.09	0.00	0.00	0.49	0.66
451	P3	6	14.40	0.416	32.51	0.0	6.90	25.65	0.00	1.12	0.32	0.38	1.83	0.00	0.00	14.9	0.0	0.15	3.2	0.856	0.856	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	0.423	32.55	0.0	6.89	25.79	0.00	1.13	0.35	0.39	1.87	0.00	0.00	15.1	0.0	0.15	3.2	0.868	0.868	7.238	12.562	0.05	0.09	0.00	0.00	0.49	0.66
453	P3	6	14.20	0.428	32.59	0.0	6.89	25.84	0.00	1.13	0.35	0.39	1.87	0.00	0.00	15.3	0.0	0.15	3.2	0.877	0.877	7.233	12.571	0.05	0.09	0.00	0.00	0.49	0.66
454	P3	6	14.10	0.433	32.63	0.0	6.89	25.88	0.00	1.13	0.35	0.39	1.86	0.00	0.00	15.6	0.0	0.15	3.2	0.886	0.886	7.228	12.578	0.05	0.09	0.00	0.00	0.49	0.66
455	P3	6	14.00	0.438	32.67	0.0	6.89	25.93	0.00	1.13	0.35	0.39	1.86	0.00	0.00	15.8	0.0	0.15	3.2	0.895	0.895	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	0.444	32.71	0.0	6.89	25.96	0.00	1.13	0.35	0.39	1.86	0.00	0.00	16.0	0.0	0.15	3.2	0.905	0.905	7.218	12.595	0.05	0.09	0.00	0.00	0.50	0.67
457	P3	6	13.80	0.449	32.75	0.0	6.89	26.00	0.00	1.12	0.35	0.39	1.86	0.00	0.00	16.2	0.0	0.15	3.2	0.914	0.914	7.214	12.604	0.05	0.09	0.00	0.00	0.50	0.67
458	P3	6	13.70	0.454	32.79	0.0	6.89	26.04	0.00	1.12	0.34	0.39	1.85	0.00	0.00	16.4	0.0	0.15	3.2	0.923	0.923	7.208	12.613	0.05	0.09	0.00	0.00	0.50	0.67
459	P3	6	13.60	0.459	32.83	0.0	6.89	26.08	0.00	1.12	0.34	0.39	1.85	0.00	0.00	16.6	0.0	0.15	3.2	0.932	0.932	7.204	12.621	0.05	0.09	0.00	0.00	0.50	0.67
460	P3	6	13.50	0.464	32.87	0.0	6.89	26.12	0.00	1.12	0.34	0.39	1.85	0.00	0.00	16.8	0.0	0.15	3.2	0.941	0.941	7.199	12.629	0.05	0.09	0.00	0.00	0.50	0.67
461	P3	6	13.40	0.469	32.91	0.0	6.89	26.15	0.00	1.12	0.34	0.39	1.85	0.00	0.00	17.0	0.0	0.15	3.2	0.950	0.950	7.194	12.638	0.05	0.09	0.00	0.00	0.50	0.68
462	P3	6	13.30	0.474	32.94	0.0	6.89	26.19	0.00	1.12	0.34	0.39	1.85	0.00	0.00	17.2	0.0	0.15	3.2	0.959	0.959	7.189	12.646	0.05	0.09	0.00	0.00	0.51	0.68
463	P3	6	13.20	0.479	32.98	0.0	6.89	26.23	0.00	1.12	0.34	0.39	1.84	0.00	0.00	17.4	0.0	0.15	3.2	0.968	0.968	7.185	12.654	0.05	0.09	0.00	0.00	0.51	0.68
464	P3	6	13.10	0.485	33.02	0.0	6.89	26.26	0.00	1.11	0.34	0.39	1.84	0.00	0.00	17.6	0.0	0.15	3.2	0.977	0.977	7.180	12.663	0.05	0.09	0.00	0.00	0.51	0.68
465	P3	6	13.00	0.490	33.06	0.0	6.89	26.30	0.00	1.11	0.34	0.39	1.84	0.00	0.00	17.8	0.0	0.16	3.2	0.986	0.986	7.175	12.672	0.05	0.09	0.00	0.00	0.51	0.68
466	P3	6	12.90	0.495	33.10	0.0	6.89	26.33	0.00	1.11	0.34	0.39	1.84	0.00	0.00	18.0	0.0	0.16	3.2	0.995	0.995	7.171	12.680	0.05	0.09	0.00	0.00	0.51	0.68
467	P3	6	12.80	0.500	33.14	0.0	6.88	26.36	0.00	1.11	0.34	0.39	1.83	0.00	0.00	18.2	0.0	0.16	3.2	1.004	1.004	7.166	12.688	0.05	0.09	0.00	0.00	0.51	0.69
468	P3	6	12.70	0.505	33.18	0.0	6.88	26.39	0.00	1.11	0.34	0.39	1.83	0.00	0.00	18.4	0.0	0.16	3.2	1.013	1.013	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	0.510	33.22	0.0	6.88	26.43	0.00	1.11	0.34	0.39	1.83	0.00	0.00	18.6	0.0	0.16	3.2	1.022	1.022	7.156	12.705	0.06	0.09	0.00	0.00	0.52	0.69

470	P3	6	12.50	0.515	33.26	0.0	6.88	26.46	0.00	1.11	0.34	0.39	1.83	0.00	0.00	18.8	0.0	0.16	3.2	1.031	1.031	7.152	12.713	0.06	0.09	0.00	0.00	0.52	0.69
471	P3	6	12.40	0.520	33.30	0.0	6.88	26.49	0.00	1.11	0.34	0.39	1.83	0.00	0.00	19.0	0.0	0.16	3.2	1.040	1.040	7.146	12.722	0.06	0.09	0.00	0.00	0.52	0.69
472	P3	6	12.30	0.525	33.34	0.0	6.88	26.52	0.00	1.11	0.33	0.39	1.83	0.00	0.00	19.2	0.0	0.16	3.2	1.048	1.048	7.142	12.730	0.06	0.09	0.00	0.00	0.52	0.70
473	P3	6	12.20	0.530	33.38	0.0	6.88	26.55	0.00	1.10	0.33	0.38	1.82	0.00	0.00	19.4	0.0	0.16	3.2	1.057	1.057	7.137	12.739	0.06	0.09	0.00	0.00	0.52	0.70
474	P3	6	12.10	0.536	33.42	0.0	6.88	26.57	0.00	1.10	0.33	0.38	1.82	0.00	0.00	19.6	0.0	0.16	3.2	1.066	1.066	7.133	12.747	0.06	0.09	0.00	0.00	0.52	0.70
475	P3	6	12.00	0.541	33.46	0.0	6.88	26.60	0.00	1.10	0.33	0.38	1.82	0.00	0.00	19.8	0.0	0.16	3.2	1.075	1.075	7.128	12.755	0.06	0.09	0.00	0.00	0.53	0.70
476	P3	6	11.90	0.546	33.50	0.0	6.88	26.63	0.00	1.10	0.33	0.38	1.82	0.00	0.00	20.0	0.0	0.16	3.2	1.084	1.084	7.123	12.764	0.06	0.09	0.00	0.00	0.53	0.70
477	P3	6	11.80	0.551	33.54	0.0	6.88	26.66	0.00	1.10	0.33	0.38	1.82	0.00	0.00	20.2	0.0	0.16	3.2	1.093	1.093	7.119	12.772	0.06	0.09	0.00	0.00	0.53	0.70
478	P3	6	11.70	0.556	33.58	0.0	6.88	26.68	0.00	1.10	0.33	0.38	1.82	0.00	0.00	20.4	0.0	0.16	3.2	1.102	1.102	7.114	12.780	0.06	0.09	0.00	0.00	0.53	0.71
479	P3	6	11.60	0.561	33.62	0.0	6.88	26.71	0.00	1.10	0.33	0.38	1.81	0.00	0.00	20.6	0.0	0.16	3.2	1.110	1.110	7.109	12.790	0.06	0.09	0.00	0.00	0.53	0.71
480	P3	6	11.50	0.566	33.66	0.0	6.88	26.73	0.00	1.10	0.33	0.38	1.81	0.00	0.00	20.8	0.0	0.16	3.2	1.119	1.119	7.104	12.798	0.06	0.09	0.00	0.00	0.53	0.71
481	P3	6	11.40	0.571	33.70	0.0	6.88	26.76	0.00	1.10	0.33	0.38	1.81	0.00	0.00	21.0	0.0	0.16	3.2	1.128	1.128	7.100	12.806	0.06	0.09	0.00	0.00	0.54	0.71
482	P3	6	11.30	0.576	33.74	0.0	6.87	26.78	0.00	1.10	0.33	0.38	1.81	0.00	0.00	21.2	0.0	0.16	3.2	1.137	1.137	7.095	12.815	0.06	0.09	0.00	0.00	0.54	0.71
483	P3	6	11.20	0.581	33.78	0.0	6.87	26.81	0.00	1.10	0.33	0.38	1.81	0.00	0.00	21.4	0.0	0.16	3.2	1.145	1.145	7.090	12.823	0.06	0.09	0.00	0.00	0.54	0.71
484	P3	6	11.10	0.587	33.82	0.0	6.87	26.83	0.00	1.09	0.33	0.38	1.81	0.00	0.00	21.6	0.0	0.16	3.2	1.154	1.154	7.086	12.831	0.06	0.09	0.00	0.00	0.54	0.72
485	P3	6	11.00	0.592	33.86	0.0	6.87	26.86	0.00	1.09	0.33	0.38	1.80	0.00	0.00	21.8	0.0	0.16	3.2	1.163	1.163	7.081	12.840	0.06	0.09	0.00	0.00	0.54	0.72
486	P3	6	10.90	0.597	33.90	0.0	6.60	26.24	0.00	1.09	0.32	0.37	1.77	0.00	0.00	22.0	0.0	0.16	3.2	1.172	1.172	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	0.654	33.82	0.0	6.46	25.91	0.00	1.08	0.31	0.37	1.76	0.00	0.00	21.9	25.0	0.50	18.3	0.072	0.072	7.085	1.799	0.06	0.03	0.00	0.00	0.54	3.34
562	P2	8	10.70	0.654	33.74	0.0	6.38	25.88	0.00	1.08	0.31	0.37	1.76	0.00	0.00	21.9	25.0	0.50	18.3	0.072	0.072	7.095	1.797	0.06	0.03	0.00	0.00	0.54	3.33
563	P2	8	10.60	0.654	33.66	0.0	6.30	25.86	0.00	1.08	0.31	0.37	1.76	0.00	0.00	21.8	25.0	0.50	18.3	0.072	0.072	7.104	1.795	0.06	0.03	0.00	0.00	0.54	3.31
WASTELOAD # 564 (Grp12-Rch8) ENTERS HERE																													
564	P2	8	10.50	0.654	33.58	0.0	6.22	25.85	0.00	1.09	0.32	0.37	1.77	0.00	0.00	21.7	25.0	0.50	18.3	0.072	0.072	7.113	1.792	0.06	0.03	0.00	0.00	0.53	3.29
565	P2	8	10.40	0.654	33.50	0.0	6.15	25.84	0.00	1.09	0.32	0.37	1.78	0.00	0.00	21.7	25.0	0.50	18.3	0.072	0.072	7.123	1.790	0.06	0.03	0.00	0.00	0.53	3.28
WASTELOAD # 566 (Grp13-Rch8) ENTERS HERE																													
566	P2	8	10.30	0.656	33.43	0.0	6.08	25.84	0.00	1.09	0.33	0.37	1.79	0.00	0.00	21.6	25.0	0.50	18.3	0.072	0.072	7.132	1.787	0.06	0.03	0.00	0.00	0.53	3.26
567	P2	8	10.20	0.656	33.35	0.0	6.01	25.80	0.00	1.09	0.32	0.37	1.78	0.00	0.00	21.5	25.0	0.50	18.3	0.072	0.072	7.141	1.785	0.06	0.03	0.00	0.00	0.52	3.24
568	P2	8	10.10	0.656	33.27	0.0	5.95	25.77	0.00	1.09	0.32	0.37	1.78	0.00	0.00	21.4	25.0	0.50	18.3	0.072	0.072	7.151	1.782	0.06	0.03	0.00	0.00	0.52	3.23
569	P2	8	10.00	0.656	33.19	0.0	5.88	25.73	0.00	1.09	0.32	0.37	1.78	0.00	0.00	21.4	25.0	0.50	18.3	0.072	0.072	7.161	1.780	0.05	0.03	0.00	0.00	0.52	3.21
570	P2	8	9.90	0.656	33.11	0.0	5.83	25.69	0.00	1.09	0.32	0.37	1.78	0.00	0.00	21.3	25.0	0.50	18.3	0.072	0.072	7.170	1.777	0.05	0.03	0.00	0.00	0.51	3.20
571	P2	8	9.80	0.656	33.03	0.0	5.77	25.66	0.00	1.09	0.31	0.37	1.77	0.00	0.00	21.2	25.0	0.50	18.3	0.072	0.072	7.179	1.775	0.05	0.03	0.00	0.00	0.51	3.18
572	P2	8	9.70	0.656	32.95	0.0	5.71	25.62	0.00	1.09	0.31	0.37	1.77	0.00	0.00	21.2	25.0	0.50	18.3	0.072	0.072	7.188	1.773	0.05	0.03	0.00	0.00	0.51	3.16
573	P2	8	9.60	0.656	32.87	0.0	5.66	25.58	0.00	1.09	0.31	0.37	1.77	0.00	0.00	21.1	25.0	0.50	18.3	0.072	0.072	7.198	1.770	0.05	0.03	0.00	0.00	0.50	3.15
574	P2	8	9.50	0.656	32.79	0.0	5.61	25.55	0.00	1.09	0.31	0.37	1.77	0.00	0.00	21.0	25.0	0.50	18.3	0.072	0.072	7.208	1.768	0.05	0.03	0.00	0.00	0.50	3.13
575	P2	8	9.40	0.656	32.71	0.0	5.56	25.51	0.00	1.09	0.31	0.37	1.76	0.00	0.00	21.0	25.0	0.50	18.3	0.072	0.072	7.218	1.766	0.05	0.03	0.00	0.00	0.50	3.12
576	P2	8	9.30	0.656	32.63	0.0	5.51	25.47	0.00	1.09	0.30	0.37	1.76	0.00	0.00	20.9	25.0	0.50	18.3	0.072	0.072	7.227	1.763	0.05	0.03	0.00	0.00	0.49	3.10
577	P2	8	9.20	0.656	32.56	0.0	5.47	25.44	0.00	1.09	0.30	0.37	1.76	0.00	0.00	20.8	25.0	0.50	18.3	0.072	0.072	7.236	1.761	0.05	0.03	0.00	0.00	0.49	3.09
578	P2	8	9.10	0.656	32.48	0.0	5.42	25.40	0.00	1.09	0.30	0.37	1.76	0.00	0.00	20.7	25.0	0.50	18.3	0.072	0.072	7.246	1.759	0.05	0.03	0.00	0.00	0.49	3.07
579	P2	8	9.00	0.656	32.40	0.0	5.38	25.36	0.00	1.09	0.30	0.37	1.76	0.00	0.00	20.7	25.0	0.50	18.3	0.072	0.072	7.256	1.756	0.05	0.03	0.00	0.00	0.48	3.06
580	P2	8	8.90	0.656	32.32	0.0	5.34	25.32	0.00	1.09	0.30	0.37	1.76	0.00	0.00	20.6	25.0	0.50	18.3	0.072	0.072	7.265	1.754	0.05	0.03	0.00	0.00	0.48	3.04
581	P2	8	8.80	0.656	32.24	0.0	5.30	25.29	0.00	1.09	0.30	0.37	1.75	0.00	0.00	20.5	25.0	0.50	18.3	0.072	0.072	7.275	1.752	0.05	0.03	0.00	0.00	0.48	3.03
582	P2	8	8.70	0.656	32.16	0.0	5.26	25.25	0.00	1.09	0.30	0.37	1.75	0.00	0.00	20.5	25.0	0.50	18.3	0.072	0.072	7.285	1.749	0.05	0.03	0.00	0.00	0.47	3.01
583	P2	8	8.60	0.656	32.08	0.0	5.23	25.20	0.00	1.09	0.29	0.37	1.75	0.00	0.00	20.4	25.0	0.50	18.3	0.072	0.072	7.295	1.747	0.05	0.03	0.00	0.00	0.47	3.00
WASTELOAD # 584 (Grp14-Rch8) ENTERS HERE																													
584	P2	8	8.50	0.658	32.00	0.0	5.19	25.16	0.00	1.09	0.29	0.37	1.75	0.00	0.00	20.3	25.0	0.50	18.3	0.072	0.072	7.305	1.744	0.05	0.03	0.00	0.00	0.47	2.98
585	P2	8	8.40	0.658	31.92	0.0	5.16	25.11	0.00	1.09	0.29	0.37	1.75	0.00	0.00	20.3	25.0	0.50	18.3	0.072	0.072	7.314	1.742	0.05	0.03	0.00	0.00	0.47	2.97
586	P2	8	8.30	0.658	31.84	0.0	5.13	25.06	0.00	1.09	0.29	0.37	1.75	0.00	0.00	20.2	25.0	0.50	18.3	0.072	0.072	7.324	1.740	0.05	0.03	0.00	0.00	0.46	2.95
587	P2	8	8.20	0.658	31.77	0.0	5.10	25.01	0.00	1.09	0.29	0.37	1.75	0.00	0.00	20.1	25.0	0.50	18.3	0.072	0.072	7.334	1.737	0.05	0.03	0.00	0.00	0.46	2.94
588	P2	8	8.10	0.658	31.69	0.0	5.07	24.94	0.00	1.09	0.29	0.37	1.75	0.00	0.00	20.0	25.0	0.50	18.3	0.072	0.072	7.344	1.735	0.05	0.03	0.00	0.00	0.46	2.92
589	P2	8	8.00	0.658	31.61	0.0	5.05	24.87	0.00	1.09	0.28	0.37	1.74	0.00	0.00	20.0	25.0	0.50	18.3	0.072	0.072	7.354	1.733	0.05	0.03	0.00	0.00	0.45	2.91
590	P2	8	7.90	0.658	31.53	0.0	5.02	24.79	0.00	1.09	0.28	0.37	1.74	0.00	0.00	19.9	25.0	0.50	18.3	0.072	0.072	7.363	1.730	0.05	0.03	0.00	0.00	0.45	2.89
591	P2	8	7.80	0.658	31.45	0.0	5.00	24.70	0.00	1.09	0.28	0.37	1.74	0.00	0.00	19.8	25.0	0.50	18.3	0.072	0.072	7.373	1.728	0.05	0.03	0.00	0.00	0.45	2.88
592	P2	8	7.70	0.658	31.37	0.0	4.98	24.59	0.00	1.09	0.27	0.37	1.74	0.00	0.00	19.8	25.0	0.50	18.3	0.072	0.072	7.383	1.726	0.05	0.03	0.00	0.00	0.45	2.86
593	P2	8	7.60	0.658	31.29	0.0	4.96	24.46	0.00	1.09	0.27	0.37	1.74	0.00	0.00	19.7	25.0	0.50	18.3	0.072	0.072	7.393	1.723	0.05	0.03	0.00	0.00	0.44	2.85
594	P2	8	7.50	0.658	31.21	0.0	4.95	24.29	0.00	1.10	0.27	0.38	1.74	0.00	0.00	19.6	25.0	0.50	18.3	0.072	0.072	7.403	1.721	0.05	0.03	0.00	0.00	0.44	2.84
595	P2	8	7.40	0.658	31.13	0.0	4.93	24.09	0.00	1.10	0.26	0.38	1.74	0.00	0.00	19.6	25.0	0.50	18.3	0.072	0.072	7.413	1.719	0.05	0.03	0.00	0.00	0.44	2.82
596	P2	8	7.30	0.658	31.05	0.0	4.92	23.84	0.00	1.10	0.26	0.38	1.74	0.00	0.00	19.5	25.0	0.50	18.3	0.072	0.072	7.423	1.716	0.05	0.03	0.00	0.00	0.43	2.81
597	P2	8	7.20	0.658	30.97	0.0	4.91	23.53	0.00	1.11	0.25	0.38	1.74	0.00	0.00	19.4	25.0	0.50	18.3	0.072	0.072	7.433	1.714	0.05	0.03	0.00	0.00	0.43	2.79
598	P2	8	7.10	0.658	30.90	0.0	4.91	23.14	0.00	1.11	0.24	0.39	1.74	0.00	0.00	19.3	25.0	0.50	18.3	0.072	0.072	7.443	1.712	0.05	0.03	0.00	0.00	0.43	2.78
599	P2	8	7.00	0.658	30.82	0.0	4.91	22.65	0.00	1.12	0.23	0.40	1.75	0.00	0.00	19.3	25.0	0.50	18.3	0.072	0.072	7.453	1.709	0.05	0.03	0.00	0.00	0.43	2.77
600	P2	8	6.90	0.658	30.74	0.0	4.92	22.02	0.00	1.13	0.22	0.40	1.75	0.00	0.00	19.2	25.0	0.50	18.3	0.072	0.072	7.463	1.707	0.05	0.03	0.00	0.00	0.42	2.75
601	P2	8	6.80	0.658	30.66	0.0	4.93	21.22	0.00	1.14	0.21	0.42	1.76	0.00	0.00	19.1	25.0	0.50	18.3	0.072	0.072	7.474	1.705	0.05	0.03	0.00	0.00	0.42	2.74
602	P2	8	6.70	0.658	30.58	0.0	4.95	20.19	0.00	1.16	0.19	0.43	1.77	0.00	0.00	19.1	25.0	0.50	18.3	0.072	0.072	7.484	1.702	0.05	0.03	0.00	0.00	0.42	2.73
WASTELOAD # 603 (YWR) ENTERS HERE																													
603	P2	8	6.60	0.738	30.50	0.0	4.99	18.89	0.00	1.18	0.16	0.45	1.79	0.00	0.00	19.0	25.0	0.51	18.3	0.080	0.080	7.494	1.675	0.05	0.03	0.00	0.00	0.42	2.71
604	P1	9	6.50	0.738	30.50	0.0	5.01	18.69	0.00	1.18	0.16	0.44	1.77	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
605	P1	9	6.40	0.738	30.50	0.0	5.02	18.58	0.00	1.18	0.16	0.43	1.76	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
606	P1	9	6.30	0.738	30.50	0.0	5.03	18.47	0.00	1.18	0.15	0.42	1.76	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
607	P1	9	6.20	0.738	30.50	0.0	5.04	18.37	0.00	1.18	0.15	0.41	1.75	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
608	P1	9	6.10	0.738	30.50	0.0	5.06	18.27	0.00	1.19	0.15	0.40	1.74	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
609	P1	9	6.00	0.738	30.50	0.0	5.07	18.18	0.00	1.19	0.15	0.40	1.73	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
610	P1	9	5.90	0.738	30.50	0.0	5.08	18.08	0.00	1.19	0.14	0.39	1.72	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
611	P1	9	5.80	0.738	30.50	0.0	5.09	18.00	0.00	1.19	0.14	0.38	1.71	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	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	0.738	30.50	0.0	5.10	17.91	0.00	1.19	0.14	0.37	1.71	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
	WASTELOAD # 613 (LAG531729) ENTERS HERE																											
613	P1 9	5.60	0.739	30.50	0.0	5.11	17.83	0.00	1.20	0.14	0.37	1.70	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
614	P1 9	5.50	0.739	30.50	0.0	5.13	17.75	0.00	1.20	0.13	0.36	1.69	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
615	P1 9	5.40	0.739	30.50	0.0	5.14	17.68	0.00	1.20	0.13	0.35	1.69	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
616	P1 9	5.30	0.739	30.50	0.0	5.15	17.61	0.00	1.20	0.13	0.35	1.68	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
617	P1 9	5.20	0.739	30.50	0.0	5.16	17.54	0.00	1.21	0.13	0.34	1.67	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
618	P1 9	5.10	0.739	30.50	0.0	5.17	17.48	0.00	1.21	0.13	0.33	1.67	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
619	P1 9	5.00	0.739	30.50	0.0	5.18	17.42	0.00	1.21	0.12	0.32	1.66	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
620	P1 9	4.90	0.739	30.50	0.0	5.19	17.37	0.00	1.22	0.12	0.32	1.66	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
621	P1 9	4.80	0.739	30.50	0.0	5.20	17.31	0.00	1.22	0.12	0.31	1.65	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
622	P1 9	4.70	0.739	30.50	0.0	5.21	17.27	0.00	1.22	0.12	0.30	1.65	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
623	P1 9	4.60	0.739	30.50	0.0	5.22	17.23	0.00	1.23	0.12	0.30	1.64	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
624	P1 9	4.50	0.739	30.50	0.0	5.23	17.19	0.00	1.23	0.12	0.29	1.64	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
625	P1 9	4.40	0.739	30.50	0.0	5.23	17.16	0.00	1.23	0.12	0.28	1.63	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
626	P1 9	4.30	0.739	30.50	0.0	5.24	17.13	0.00	1.24	0.11	0.28	1.63	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
627	P1 9	4.20	0.739	30.50	0.0	5.25	17.11	0.00	1.24	0.11	0.27	1.63	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
628	P1 9	4.10	0.739	30.50	0.0	5.26	17.09	0.00	1.25	0.11	0.27	1.62	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
629	P1 9	4.00	0.739	30.50	0.0	5.26	17.08	0.00	1.25	0.11	0.26	1.62	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
630	P1 9	3.90	0.739	30.50	0.0	5.27	17.07	0.00	1.26	0.11	0.25	1.62	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.009	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
631	P1 9	3.80	0.739	30.50	0.0	5.28	17.07	0.00	1.26	0.11	0.25	1.62	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.010	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
632	P1 9	3.70	0.739	30.50	0.0	5.28	17.07	0.00	1.27	0.11	0.24	1.61	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.010	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
633	P1 9	3.60	0.739	30.50	0.0	5.29	17.08	0.00	1.27	0.11	0.24	1.61	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.010	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
634	P1 9	3.50	0.739	30.50	0.0	5.29	17.09	0.00	1.28	0.11	0.23	1.61	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.010	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
635	P1 9	3.40	0.739	30.50	0.0	5.30	17.11	0.00	1.28	0.11	0.23	1.61	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.010	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
636	P1 9	3.30	0.739	30.50	0.0	5.30	17.13	0.00	1.29	0.11	0.22	1.61	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.010	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
637	P1 9	3.20	0.739	30.50	0.0	5.30	17.17	0.00	1.29	0.10	0.21	1.61	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.010	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
638	P1 9	3.10	0.739	30.50	0.0	5.31	17.20	0.00	1.30	0.10	0.21	1.61	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.011	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
639	P1 9	3.00	0.739	30.50	0.0	5.31	17.25	0.00	1.30	0.10	0.20	1.61	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.011	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
640	P1 9	2.90	0.739	30.50	0.0	5.31	17.30	0.00	1.31	0.10	0.20	1.61	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.011	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
641	P1 9	2.80	0.739	30.50	0.0	5.31	17.35	0.00	1.32	0.10	0.19	1.62	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.011	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
642	P1 9	2.70	0.739	30.50	0.0	5.31	17.42	0.00	1.32	0.10	0.19	1.62	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.011	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
643	P1 9	2.60	0.739	30.50	0.0	5.31	17.49	0.00	1.33	0.10	0.18	1.62	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.011	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
644	P1 9	2.50	0.739	30.50	0.0	5.31	17.57	0.00	1.34	0.10	0.18	1.62	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.012	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
645	P1 9	2.40	0.739	30.50	0.0	5.31	17.65	0.00	1.35	0.10	0.18	1.63	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.012	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
646	P1 9	2.30	0.739	30.50	0.0	5.31	17.75	0.00	1.35	0.10	0.17	1.63	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.012	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
647	P1 9	2.20	0.739	30.50	0.0	5.31	17.85	0.00	1.36	0.10	0.17	1.63	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.012	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
648	P1 9	2.10	0.739	30.50	0.0	5.31	17.96	0.00	1.37	0.11	0.16	1.64	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.012	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
649	P1 9	2.00	0.739	30.50	0.0	5.31	18.07	0.00	1.38	0.11	0.16	1.64	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.012	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
650	P1 9	1.90	0.739	30.50	0.0	5.31	18.20	0.00	1.39	0.11	0.15	1.65	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.013	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
651	P1 9	1.80	0.739	30.50	0.0	5.31	18.33	0.00	1.40	0.11	0.15	1.65	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.013	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
652	P1 9	1.70	0.739	30.50	0.0	5.31	18.48	0.00	1.41	0.11	0.15	1.66	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.013	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
653	P1 9	1.60	0.739	30.50	0.0	5.30	18.63	0.00	1.42	0.11	0.14	1.67	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.013	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
654	P1 9	1.50	0.739	30.50	0.0	5.30	18.79	0.00	1.43	0.11	0.14	1.68	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.013	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
655	P1 9	1.40	0.739	30.50	0.0	5.30	18.97	0.00	1.44	0.11	0.13	1.68	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.013	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
656	P1 9	1.30	0.739	30.50	0.0	5.30	19.15	0.00	1.45	0.11	0.13	1.69	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.014	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
657	P1 9	1.20	0.739	30.50	0.0	5.30	19.34	0.00	1.46	0.11	0.13	1.70	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.014	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
658	P1 9	1.10	0.739	30.50	0.0	5.29	19.55	0.00	1.47	0.12	0.12	1.71	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.014	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
659	P1 9	1.00	0.739	30.50	0.0	5.29	19.76	0.00	1.48	0.12	0.12	1.72	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.014	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
660	P1 9	0.90	0.739	30.50	0.0	5.29	19.99	0.00	1.50	0.12	0.12	1.73	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.014	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
661	P1 9	0.80	0.739	30.50	0.0	5.29	20.23	0.00	1.51	0.12	0.11	1.74	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.015	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
662	P1 9	0.70	0.739	30.50	0.0	5.29	20.48	0.00	1.52	0.12	0.11	1.75	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.015	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
663	P1 9	0.60	0.739	30.50	0.0	5.29	20.74	0.00	1.53	0.13	0.11	1.77	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.015	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
664	P1 9	0.50	0.739	30.50	0.0	5.28	21.02	0.00	1.55	0.13	0.10	1.78	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.015	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
665	P1 9	0.40	0.739	30.50	0.0	5.29	21.31	0.00	1.56	0.13	0.10	1.79	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.015	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
666	P1 9	0.30	0.739	30.50	0.0	5.29	21.61	0.00	1.58	0.14	0.10	1.81	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.015	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
667	P1 9	0.20	0.739	30.50	0.0	5.29	21.93	0.00	1.59	0.14	0.09	1.82	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.016	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
668	P1 9	0.10	0.739	30.50	0.0	5.29	22.26	0.00	1.61	0.14	0.09	1.84	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.016	7.494	0.531	0.08	0.01	0.00	0.00	0.42	1.55
669	P1 9	0.00	0.739	30.50	0.0	5.29	22.61	0.00	1.62	0.15	0.09	1.86	0.00	0.00	19.0	35.0	1.60	51.8	0.009	0.016	7.494	0.531	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	7.06	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	7.19	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	7.28	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	7.34	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	7.44	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	6.35	17.92	0.00	3.88	0.14	0.05	4.07	0.00	0.00	2.0	0.0	0.16	0.9	0.044	0.044	7.561	9.530	0.05	0.08	0.00	0.00	0.40	0.00
194	PT	2	0.80	0.007	29.98	0.0	6.58	17.87	0.00	3.88	0.14	0.05	4.07	0.00	0.00	2.0	0.0	0.16	0.9	0.044	0.044	7.561	9.530	0.05	0.08	0.00	0.00	0.40	0.00
	WASTELOAD # 195 (LAG533605) ENTERS HERE																													
195	PT	2	0.70	0.010	29.98	0.0	6.22	19.67	0.00	3.09	1.28	0.76	5.14	0.00	0.00	1.9	0.0	0.17	0.9	0.065	0.065	7.561	11.095	0.05	0.07	0.00	0.00	0.40	0.00

CAPSULE SUMMARY FOR Pont. Trib.

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
196	PT 2	0.60	0.010	29.99	0.0	6.40	19.62	0.00	3.09	1.27	0.77	5.14	0.00	0.00	1.8	0.0	0.17	0.9	0.065	0.065	7.561	11.095	0.05	0.07	0.00	0.00	0.40	0.00
197	PT 2	0.50	0.010	29.99	0.0	6.54	19.58	0.00	3.09	1.27	0.78	5.13	0.00	0.00	1.8	0.0	0.17	0.9	0.065	0.065	7.560	11.096	0.05	0.07	0.00	0.00	0.40	0.00
198	PT 2	0.40	0.010	29.99	0.0	6.67	19.53	0.00	3.09	1.26	0.78	5.13	0.00	0.00	1.7	0.0	0.17	0.9	0.065	0.065	7.560	11.096	0.05	0.07	0.00	0.00	0.40	0.00
199	PT 2	0.30	0.010	29.99	0.0	6.77	19.48	0.00	3.09	1.25	0.79	5.13	0.00	0.00	1.7	0.0	0.17	0.9	0.065	0.065	7.559	11.097	0.05	0.07	0.00	0.00	0.40	0.00
200	PT 2	0.20	0.010	30.00	0.0	6.86	19.43	0.00	3.09	1.24	0.80	5.13	0.00	0.00	1.6	0.0	0.17	0.9	0.065	0.065	7.559	11.097	0.05	0.07	0.00	0.00	0.40	0.00
201	PT 2	0.10	0.010	30.00	0.0	6.93	19.38	0.00	3.09	1.23	0.80	5.13	0.00	0.00	1.6	0.0	0.17	0.9	0.065	0.065	7.559	11.098	0.05	0.07	0.00	0.00	0.40	0.00
202	PT 2	0.00	0.010	30.00	0.0	6.99	19.33	0.00	3.09	1.23	0.81	5.12	0.00	0.00	1.5	0.0	0.17	0.9	0.065	0.065	7.559	11.098	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	0.033	25.84	0.0	3.53	12.42	0.00	1.11	0.11	0.09	1.31	0.00	0.00	5.0	0.0	0.39	3.9	0.022	0.022	8.137	2.810	0.04	0.03	0.00	0.00	0.29	3.26
281	EP 5	10.70	0.033	25.88	0.0	3.73	12.37	0.00	1.11	0.11	0.09	1.30	0.00	0.00	4.9	0.0	0.39	3.9	0.022	0.022	8.131	2.813	0.04	0.03	0.00	0.00	0.29	3.27
282	EP 5	10.60	0.033	25.92	0.0	3.90	12.33	0.00	1.11	0.11	0.09	1.30	0.00	0.00	4.9	0.0	0.39	3.9	0.022	0.022	8.125	2.816	0.04	0.03	0.00	0.00	0.29	3.28
283	EP 5	10.50	0.033	25.95	0.0	4.05	12.28	0.00	1.11	0.11	0.09	1.30	0.00	0.00	4.9	0.0	0.39	3.9	0.022	0.022	8.120	2.819	0.04	0.03	0.00	0.00	0.29	3.29
284	EP 5	10.40	0.033	25.99	0.0	4.18	12.24	0.00	1.10	0.11	0.09	1.30	0.00	0.00	4.9	0.0	0.39	3.9	0.022	0.022	8.115	2.822	0.04	0.03	0.00	0.00	0.29	3.30
285	EP 5	10.30	0.033	26.03	0.0	4.29	12.20	0.00	1.10	0.10	0.09	1.30	0.00	0.00	4.8	0.0	0.39	3.9	0.022	0.022	8.109	2.825	0.04	0.03	0.00	0.00	0.29	3.30
286	EP 5	10.20	0.033	26.07	0.0	4.38	12.15	0.00	1.10	0.10	0.09	1.30	0.00	0.00	4.8	0.0	0.39	3.9	0.022	0.022	8.103	2.829	0.04	0.03	0.00	0.00	0.29	3.31
287	EP 5	10.10	0.033	26.11	0.0	4.46	12.11	0.00	1.10	0.10	0.09	1.30	0.00	0.00	4.8	0.0	0.39	3.9	0.022	0.022	8.097	2.832	0.04	0.03	0.00	0.00	0.29	3.32
288	EP 5	10.00	0.033	26.15	0.0	4.53	12.07	0.00	1.10	0.10	0.09	1.30	0.00	0.00	4.8	0.0	0.39	3.9	0.022	0.022	8.092	2.835	0.04	0.03	0.00	0.00	0.29	3.33
289	EP 5	9.90	0.033	26.19	0.0	4.59	12.02	0.00	1.10	0.10	0.09	1.29	0.00	0.00	4.7	0.0	0.39	3.9	0.022	0.022	8.086	2.838	0.04	0.03	0.00	0.00	0.29	3.34
290	EP 5	9.80	0.033	26.22	0.0	4.64	11.98	0.00	1.10	0.10	0.09	1.29	0.00	0.00	4.7	0.0	0.39	3.9	0.022	0.022	8.080	2.841	0.04	0.03	0.00	0.00	0.30	3.34
291	EP 5	9.70	0.034	26.26	0.0	4.68	11.94	0.00	1.10	0.10	0.09	1.29	0.00	0.00	4.7	0.0	0.39	3.9	0.022	0.022	8.075	2.845	0.04	0.03	0.00	0.00	0.30	3.35
292	EP 5	9.60	0.034	26.30	0.0	4.72	11.90	0.00	1.10	0.10	0.09	1.29	0.00	0.00	4.7	0.0	0.39	3.9	0.022	0.022	8.069	2.848	0.04	0.03	0.00	0.00	0.30	3.36
293	EP 5	9.50	0.034	26.34	0.0	4.75	11.85	0.00	1.10	0.10	0.09	1.29	0.00	0.00	4.6	0.0	0.39	3.9	0.022	0.022	8.063	2.851	0.04	0.03	0.00	0.00	0.30	3.37
294	EP 5	9.40	0.034	26.38	0.0	4.77	11.81	0.00	1.10	0.10	0.09	1.29	0.00	0.00	4.6	0.0	0.39	3.9	0.022	0.022	8.058	2.854	0.04	0.03	0.00	0.00	0.30	3.38
295	EP 5	9.30	0.034	26.42	0.0	4.79	11.77	0.00	1.10	0.10	0.09	1.29	0.00	0.00	4.6	0.0	0.39	3.9	0.023	0.023	8.052	2.857	0.04	0.03	0.00	0.00	0.30	3.39
296	EP 5	9.20	0.034	26.46	0.0	4.81	11.73	0.00	1.10	0.09	0.09	1.29	0.00	0.00	4.6	0.0	0.39	3.9	0.023	0.023	8.046	2.861	0.04	0.03	0.00	0.00	0.30	3.39
297	EP 5	9.10	0.034	26.49	0.0	4.82	11.69	0.00	1.10	0.09	0.09	1.28	0.00	0.00	4.5	0.0	0.39	3.9	0.023	0.023	8.041	2.864	0.04	0.03	0.00	0.00	0.30	3.40
298	EP 5	9.00	0.034	26.53	0.0	4.83	11.65	0.00	1.10	0.09	0.09	1.28	0.00	0.00	4.5	0.0	0.39	3.9	0.023	0.023	8.035	2.867	0.04	0.03	0.00	0.00	0.30	3.41
299	EP 5	8.90	0.034	26.57	0.0	4.84	11.61	0.00	1.10	0.09	0.09	1.28	0.00	0.00	4.5	0.0	0.39	3.9	0.023	0.023	8.030	2.870	0.04	0.03	0.00	0.00	0.30	3.42
300	EP 5	8.80	0.034	26.61	0.0	4.85	11.57	0.00	1.10	0.09	0.09	1.28	0.00	0.00	4.5	0.0	0.39	3.9	0.023	0.023	8.024	2.873	0.04	0.03	0.00	0.00	0.30	3.43
301	EP 5	8.70	0.034	26.65	0.0	4.85	11.53	0.00	1.10	0.09	0.09	1.28	0.00	0.00	4.4	0.0	0.39	3.9	0.023	0.023	8.019	2.877	0.04	0.03	0.00	0.00	0.31	3.43
WASTELOAD # 302 (LAG540869) ENTERS HERE																												
302	EP 5	8.60	0.035	26.69	0.0	4.79	12.72	0.00	1.18	0.30	0.14	1.62	0.00	0.00	4.4	0.0	0.39	3.9	0.023	0.023	8.013	2.890	0.04	0.03	0.00	0.00	0.31	3.44
303	EP 5	8.50	0.035	26.72	0.0	4.79	12.68	0.00	1.18	0.30	0.14	1.62	0.00	0.00	4.4	0.0	0.39	3.9	0.023	0.023	8.007	2.894	0.04	0.03	0.00	0.00	0.31	3.45
304	EP 5	8.40	0.036	26.76	0.0	4.79	12.63	0.00	1.18	0.29	0.14	1.62	0.00	0.00	4.4	0.0	0.39	3.9	0.023	0.023	8.002	2.897	0.04	0.03	0.00	0.00	0.31	3.46
305	EP 5	8.30	0.036	26.80	0.0	4.78	12.59	0.00	1.18	0.29	0.15	1.61	0.00	0.00	4.3	0.0	0.39	3.9	0.023	0.023	7.996	2.900	0.04	0.03	0.00	0.00	0.31	3.47
306	EP 5	8.20	0.036	26.84	0.0	4.78	12.54	0.00	1.18	0.28	0.15	1.61	0.00	0.00	4.3	0.0	0.39	3.9	0.024	0.024	7.991	2.903	0.04	0.03	0.00	0.00	0.31	3.48
307	EP 5	8.10	0.036	26.88	0.0	4.77	12.50	0.00	1.18	0.28	0.15	1.61	0.00	0.00	4.3	0.0	0.39	3.9	0.024	0.024	7.986	2.907	0.04	0.03	0.00	0.00	0.31	3.49
308	EP 5	8.00	0.036	26.92	0.0	4.77	12.45	0.00	1.18	0.28	0.15	1.61	0.00	0.00	4.3	0.0	0.39	3.9	0.024	0.024	7.980	2.910	0.04	0.03	0.00	0.00	0.31	3.49
309	EP 5	7.90	0.036	26.96	0.0	4.77	12.41	0.00	1.18	0.27	0.15	1.60	0.00	0.00	4.2	0.0	0.39	3.9	0.024	0.024	7.974	2.913	0.04	0.03	0.00	0.00	0.31	3.50
310	EP 5	7.80	0.036	26.99	0.0	4.76	12.36	0.00	1.17	0.27	0.16	1.60	0.00	0.00	4.2	0.0	0.39	3.9	0.024	0.024	7.969	2.917	0.04	0.03	0.00	0.00	0.31	3.51
311	EP 5	7.70	0.036	27.03	0.0	4.75	12.32	0.00	1.17	0.27	0.16	1.60	0.00	0.00	4.2	0.0	0.39	3.9	0.024	0.024	7.963	2.920	0.04	0.03	0.00	0.00	0.32	3.52
312	EP 5	7.60	0.036	27.07	0.0	4.75	12.27	0.00	1.17	0.26	0.16	1.60	0.00	0.00	4.2	0.0	0.39	3.9	0.024	0.024	7.958	2.923	0.04	0.03	0.00	0.00	0.32	3.53
313	EP 5	7.50	0.036	27.11	0.0	4.74	12.23	0.00	1.17	0.26	0.16	1.59	0.00	0.00	4.1	0.0	0.39	3.9	0.024	0.024	7.952	2.926	0.04	0.03	0.00	0.00	0.32	3.54
314	EP 5	7.40	0.036	27.15	0.0	4.74	12.19	0.00	1.17	0.25	0.17	1.59	0.00	0.00	4.1	0.0	0.39	3.9	0.024	0.024	7.947	2.929	0.04	0.03	0.00	0.00	0.32	3.55
315	EP 5	7.30	0.037	27.19	0.0	4.73	12.14	0.00	1.17	0.25	0.17	1.59	0.00	0.00	4.1	0.0	0.39	3.9	0.024	0.024	7.942	2.933	0.04	0.03	0.00	0.00	0.32	3.55
316	EP 5	7.20	0.037	27.23	0.0	4.73	12.10	0.00	1.17	0.25	0.17	1.59	0.00	0.00	4.1	0.0	0.39	3.9	0.024	0.024	7.936	2.936	0.04	0.03	0.00	0.00	0.32	3.56
317	EP 5	7.10	0.037	27.26	0.0	4.72	12.06	0.00	1.17	0.24	0.17	1.58	0.00	0.00	4.0	0.0	0.39	3.9	0.024	0.024	7.931	2.939	0.04	0.03	0.00	0.00	0.32	3.57
318	EP 5	7.00	0.037	27.30	0.0	4.71	12.01	0.00	1.17	0.24	0.17	1.58	0.00	0.00	4.0	0.0	0.39	3.9	0.024	0.024	7.925	2.943	0.04	0.03	0.00	0.00	0.32	3.58
WASTELOAD # 319 (LAG532175) ENTERS HERE																												
319	EP 5	6.90	0.037	27.34	0.0	4.70	12.00	0.00	1.17	0.24	0.18	1.59	0.00	0.00	4.0	0.0	0.39	3.9	0.024	0.024	7.920	2.946	0.04	0.03	0.00	0.00	0.32	3.59
320	EP 5	6.80	0.037	27.38	0.0	4.70	11.96	0.00	1.17	0.24	0.18	1.59	0.00	0.00	4.0	0.0	0.39	3.9	0.024	0.024	7.914	2.950	0.04	0.03	0.00	0.00	0.32	3.60
321	EP 5	6.70	0.037	27.42	0.0	4.69	11.92	0.00	1.17	0.24	0.18	1.59	0.00	0.00	3.9	0.0	0.39	3.9	0.024	0.024	7.909	2.953	0.04	0.03	0.00	0.00	0.33	3.61
322	EP 5	6.60	0.037	27.46	0.0	4.68	11.87	0.00	1.17	0.23	0.18	1.58	0.00	0.00	3.9	0.0	0.39	3.9	0.024	0.024	7.903	2.957	0.04	0.03	0.00	0.00	0.33	3.61
323	EP 5	6.50	0.037	27.50	0.0	4.68	11.83	0.00	1.17	0.23	0.18	1.58	0.00	0.00	3.9	0.0	0.39	3.9	0.024	0.024	7.898	2.960	0.04	0.03	0.00	0.00	0.33	3.62
324	EP 5	6.40	0.037	27.53	0.0	4.67	11.79	0.00	1.17	0.23	0.18	1.58	0.00	0.00	3.9	0.0	0.39	3.9	0.025	0.025	7.892	2.963	0.04	0.03	0.00	0.00	0.33	3.63
325	EP 5	6.30	0.038	27.57	0.0	4.66	11.75	0.00	1.17	0.22	0.19	1.58	0.00	0.00	3.8	0.0	0.39	3.9	0.025	0.025	7.888	2.966	0.04	0.03	0.00	0.00	0.33	3.64
326	EP 5	6.20	0.038	27.61	0.0	4.66	11.71	0.00	1.17	0.22	0.19	1.57	0.00	0.00	3.8	0.0	0.39	3.9	0.025	0.025	7.882	2.970	0.04	0.03	0.00	0.00	0.33	3.65
327	EP 5	6.10	0.038	27.65	0.0	4.65	11.67	0.00	1.16	0.22	0.19	1.57	0.00	0.00	3.8	0.0	0.39	3.9	0.025	0.025	7.877	2.973	0.04	0.03	0.00	0.00	0.33	3.66
328	EP 5	6.00	0.038	27.69	0.0	4.64	11.63	0.00	1.16	0.21	0.19	1.57	0.00	0.00	3.8	0.0	0.39	3.9	0.025	0.025	7.871	2.976	0.04	0.03	0.00	0.00	0.33	3.67
329	EP 5	5.90	0.038	27.73	0.0	4.64	11.59	0.00	1.16	0.21	0.19	1.57	0.00	0.00	3.7	0.0	0.40	3.9	0.025	0.025	7.866	2.979	0.04	0.03	0.00	0.00	0.33	3.68
330	EP 5	5.80	0.038	27.77	0.0	4.63	11.55	0.00	1.16	0.21	0.19	1.56	0.00	0.00	3.7	0.0	0.40	3.9	0.025	0.025	7.860	2.983	0.04	0.03	0.00	0.00	0.33	3.69
331	EP 5	5.70	0.038	27.80	0.0	4.62	11.51	0.00	1.16	0.21	0.19	1.56	0.00	0.00	3.7	0.0	0.40	3.9	0.025	0.025	7.855	2.986	0.04	0.03	0.00	0.00	0.34	3.69
332	EP 5	5.60	0.038	27.84	0.0	4.61	11.47	0.00	1.16	0.20	0.19	1.56	0.00	0.00	3.7	0.0	0.40	3.9	0.025	0.025	7.849	2.990	0.04	0.03	0.00	0.00	0.34	3.70
WASTELOAD # 333 (Grp6-Rch5) ENTERS HERE																												
333	EP 5	5.50	0.038	27.88	0.0	4.60	11.60	0.00	1.17	0.23	0.20	1.60	0.00	0.00	3.6	0.0	0.40	3.9	0.025	0.025	7.844	2.994	0.04	0.03	0.00	0.00	0.34	3.71
334	EP 5	5.40	0.038	27.92	0.0	4.59	11.56	0.00	1.17	0.22	0.20	1.60	0.00	0.00	3.6	0.0	0.40	3.9	0.025	0.025	7.839	2.997	0.04	0.03	0.00	0.00	0.34	3.72

335	EP	5	5.30	0.039	27.96	0.0	4.59	11.52	0.00	1.17	0.22	0.20	1.59	0.00	0.00	3.6	0.0	0.40	3.9	0.025	0.025	7.833	3.000	0.04	0.03	0.00	0.00	0.34	3.73
336	EP	5	5.20	0.039	28.00	0.0	4.58	11.48	0.00	1.17	0.22	0.20	1.59	0.00	0.00	3.6	0.0	0.40	3.9	0.025	0.025	7.828	3.004	0.04	0.03	0.00	0.00	0.34	3.74
337	EP	5	5.10	0.039	28.03	0.0	4.57	11.44	0.00	1.17	0.21	0.20	1.59	0.00	0.00	3.5	0.0	0.40	3.9	0.025	0.025	7.823	3.007	0.04	0.03	0.00	0.00	0.34	3.75
338	EP	5	5.00	0.039	28.07	0.0	4.56	11.40	0.00	1.17	0.21	0.20	1.59	0.00	0.00	3.5	0.0	0.40	3.9	0.025	0.025	7.818	3.010	0.04	0.03	0.00	0.00	0.34	3.76
339	EP	5	4.90	0.039	28.11	0.0	4.56	11.36	0.00	1.17	0.21	0.21	1.58	0.00	0.00	3.5	0.0	0.40	3.9	0.025	0.025	7.812	3.014	0.04	0.03	0.00	0.00	0.34	3.77
WASTELOAD # 340 (Grp7-Rch5) ENTERS HERE																															
340	EP	5	4.80	0.039	28.15	0.0	4.53	11.70	0.00	1.19	0.27	0.22	1.68	0.00	0.00	3.5	0.0	0.40	3.9	0.026	0.026	7.807	3.020	0.04	0.03	0.00	0.00	0.34	3.78
341	EP	5	4.70	0.039	28.19	0.0	4.52	11.66	0.00	1.19	0.26	0.22	1.68	0.00	0.00	3.4	0.0	0.40	3.9	0.026	0.026	7.801	3.024	0.04	0.03	0.00	0.00	0.35	3.79
342	EP	5	4.60	0.039	28.23	0.0	4.51	11.62	0.00	1.19	0.26	0.22	1.67	0.00	0.00	3.4	0.0	0.40	3.9	0.026	0.026	7.796	3.027	0.04	0.03	0.00	0.00	0.35	3.79
343	EP	5	4.50	0.040	28.27	0.0	4.50	11.58	0.00	1.19	0.26	0.22	1.67	0.00	0.00	3.4	0.0	0.40	3.9	0.026	0.026	7.791	3.030	0.04	0.03	0.00	0.00	0.35	3.80
344	EP	5	4.40	0.040	28.30	0.0	4.50	11.54	0.00	1.19	0.25	0.23	1.67	0.00	0.00	3.4	0.0	0.40	3.9	0.026	0.026	7.786	3.034	0.04	0.03	0.00	0.00	0.35	3.81
345	EP	5	4.30	0.040	28.34	0.0	4.49	11.50	0.00	1.19	0.25	0.23	1.66	0.00	0.00	3.3	0.0	0.40	3.9	0.026	0.026	7.781	3.037	0.04	0.03	0.00	0.00	0.35	3.82
346	EP	5	4.20	0.040	28.38	0.0	4.48	11.46	0.00	1.19	0.25	0.23	1.66	0.00	0.00	3.3	0.0	0.40	3.9	0.026	0.026	7.775	3.040	0.04	0.03	0.00	0.00	0.35	3.83
347	EP	5	4.10	0.040	28.42	0.0	4.47	11.42	0.00	1.19	0.24	0.23	1.66	0.00	0.00	3.3	0.0	0.40	3.9	0.026	0.026	7.769	3.044	0.04	0.03	0.00	0.00	0.35	3.84
348	EP	5	4.00	0.040	28.46	0.0	4.46	11.38	0.00	1.19	0.24	0.23	1.66	0.00	0.00	3.3	0.0	0.40	3.9	0.026	0.026	7.764	3.047	0.04	0.03	0.00	0.00	0.35	3.85
349	EP	5	3.90	0.040	28.50	0.0	4.46	11.34	0.00	1.19	0.24	0.23	1.65	0.00	0.00	3.2	0.0	0.40	3.9	0.026	0.026	7.759	3.051	0.04	0.03	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	0.040	28.54	0.0	4.45	11.30	0.00	1.18	0.23	0.23	1.65	0.00	0.00	3.2	0.0	0.40	3.9	0.026	0.026	7.754	3.054	0.04	0.03	0.00	0.00	0.36	3.87
351	EP	5	3.70	0.040	28.57	0.0	4.44	11.26	0.00	1.18	0.23	0.24	1.65	0.00	0.00	3.2	0.0	0.40	3.9	0.026	0.026	7.748	3.058	0.04	0.03	0.00	0.00	0.36	3.88
352	EP	5	3.60	0.040	28.61	0.0	4.43	11.23	0.00	1.18	0.23	0.24	1.65	0.00	0.00	3.2	0.0	0.40	3.9	0.026	0.026	7.743	3.061	0.04	0.03	0.00	0.00	0.36	3.89
353	EP	5	3.50	0.040	28.65	0.0	4.43	11.19	0.00	1.18	0.22	0.24	1.64	0.00	0.00	3.1	0.0	0.40	3.9	0.026	0.026	7.738	3.064	0.04	0.03	0.00	0.00	0.36	3.90
354	EP	5	3.40	0.041	28.69	0.0	4.42	11.15	0.00	1.18	0.22	0.24	1.64	0.00	0.00	3.1	0.0	0.40	3.9	0.026	0.026	7.733	3.067	0.04	0.03	0.00	0.00	0.36	3.91
355	EP	5	3.30	0.041	28.73	0.0	4.41	11.11	0.00	1.18	0.22	0.24	1.64	0.00	0.00	3.1	0.0	0.40	3.9	0.026	0.026	7.727	3.071	0.04	0.03	0.00	0.00	0.36	3.92
356	EP	5	3.20	0.041	28.77	0.0	4.40	11.08	0.00	1.18	0.21	0.24	1.63	0.00	0.00	3.1	0.0	0.40	3.9	0.026	0.026	7.723	3.074	0.04	0.03	0.00	0.00	0.36	3.93
357	EP	5	3.10	0.041	28.81	0.0	4.40	11.04	0.00	1.18	0.21	0.24	1.63	0.00	0.00	3.0	0.0	0.40	3.9	0.026	0.026	7.717	3.078	0.04	0.03	0.00	0.00	0.36	3.93
WASTELOAD # 358 (Grp8-Rch5) ENTERS HERE																															
358	EP	5	3.00	0.043	28.84	0.0	4.32	11.76	0.00	1.22	0.37	0.32	1.91	0.00	0.00	3.0	0.0	0.40	3.9	0.028	0.028	7.712	3.107	0.05	0.03	0.00	0.00	0.36	3.94
359	EP	5	2.90	0.043	28.88	0.0	4.31	11.72	0.00	1.22	0.37	0.32	1.91	0.00	0.00	3.0	0.0	0.40	3.9	0.028	0.028	7.707	3.110	0.05	0.03	0.00	0.00	0.37	3.95
360	EP	5	2.80	0.043	28.92	0.0	4.31	11.68	0.00	1.22	0.36	0.32	1.90	0.00	0.00	3.0	0.0	0.40	3.9	0.028	0.028	7.701	3.114	0.05	0.03	0.00	0.00	0.37	3.96
361	EP	5	2.70	0.043	28.96	0.0	4.30	11.64	0.00	1.22	0.36	0.33	1.90	0.00	0.00	2.9	0.0	0.40	3.9	0.028	0.028	7.696	3.117	0.05	0.03	0.00	0.00	0.37	3.97
362	EP	5	2.60	0.043	29.00	0.0	4.30	11.60	0.00	1.22	0.35	0.33	1.90	0.00	0.00	2.9	0.0	0.40	3.9	0.028	0.028	7.691	3.120	0.05	0.03	0.00	0.00	0.37	3.98
363	EP	5	2.50	0.043	29.04	0.0	4.29	11.56	0.00	1.21	0.35	0.33	1.89	0.00	0.00	2.9	0.0	0.40	3.9	0.028	0.028	7.686	3.124	0.05	0.03	0.00	0.00	0.37	3.99
364	EP	5	2.40	0.043	29.08	0.0	4.29	11.52	0.00	1.21	0.34	0.33	1.89	0.00	0.00	2.9	0.0	0.40	3.9	0.028	0.028	7.681	3.127	0.05	0.03	0.00	0.00	0.37	4.00
365	EP	5	2.30	0.043	29.11	0.0	4.28	11.48	0.00	1.21	0.34	0.34	1.89	0.00	0.00	2.8	0.0	0.40	3.9	0.028	0.028	7.676	3.131	0.05	0.03	0.00	0.00	0.37	4.01
366	EP	5	2.20	0.043	29.15	0.0	4.28	11.44	0.00	1.21	0.33	0.34	1.88	0.00	0.00	2.8	0.0	0.40	3.9	0.028	0.028	7.671	3.134	0.05	0.03	0.00	0.00	0.37	4.02
367	EP	5	2.10	0.044	29.19	0.0	4.27	11.40	0.00	1.21	0.33	0.34	1.88	0.00	0.00	2.8	0.0	0.40	3.9	0.028	0.028	7.665	3.138	0.05	0.03	0.00	0.00	0.37	4.03
368	EP	5	2.00	0.044	29.23	0.0	4.27	11.37	0.00	1.21	0.32	0.34	1.87	0.00	0.00	2.8	0.0	0.40	3.9	0.028	0.028	7.660	3.141	0.05	0.03	0.00	0.00	0.38	4.04
369	EP	5	1.90	0.044	29.27	0.0	4.26	11.33	0.00	1.21	0.32	0.34	1.87	0.00	0.00	2.7	0.0	0.40	3.9	0.028	0.028	7.655	3.145	0.05	0.03	0.00	0.00	0.38	4.05
370	EP	5	1.80	0.044	29.31	0.0	4.26	11.29	0.00	1.21	0.31	0.35	1.87	0.00	0.00	2.7	0.0	0.40	3.9	0.028	0.028	7.650	3.148	0.05	0.03	0.00	0.00	0.38	4.06
371	EP	5	1.70	0.044	29.34	0.0	4.25	11.25	0.00	1.21	0.31	0.35	1.86	0.00	0.00	2.7	0.0	0.40	3.9	0.028	0.028	7.645	3.151	0.05	0.03	0.00	0.00	0.38	4.07
372	EP	5	1.60	0.044	29.38	0.0	4.24	11.21	0.00	1.21	0.30	0.35	1.86	0.00	0.00	2.7	0.0	0.40	3.9	0.028	0.028	7.640	3.155	0.05	0.03	0.00	0.00	0.38	4.08
373	EP	5	1.50	0.044	29.42	0.0	4.24	11.17	0.00	1.21	0.30	0.35	1.86	0.00	0.00	2.6	0.0	0.40	3.9	0.028	0.028	7.634	3.158	0.05	0.03	0.00	0.00	0.38	4.09
374	EP	5	1.40	0.044	29.46	0.0	4.23	11.14	0.00	1.21	0.29	0.35	1.85	0.00	0.00	2.6	0.0	0.40	3.9	0.028	0.028	7.629	3.162	0.05	0.03	0.00	0.00	0.38	4.10
375	EP	5	1.30	0.044	29.50	0.0	4.22	11.10	0.00	1.21	0.29	0.35	1.85	0.00	0.00	2.6	0.0	0.40	3.9	0.028	0.028	7.624	3.165	0.05	0.03	0.00	0.00	0.38	4.11
376	EP	5	1.20	0.044	29.54	0.0	4.22	11.06	0.00	1.21	0.29	0.35	1.85	0.00	0.00	2.6	0.0	0.40	3.9	0.028	0.028	7.620	3.168	0.05	0.03	0.00	0.00	0.39	4.12
377	EP	5	1.10	0.044	29.58	0.0	4.21	11.02	0.00	1.20	0.28	0.36	1.84	0.00	0.00	2.5	0.0	0.40	3.9	0.028	0.028	7.614	3.172	0.05	0.03	0.00	0.00	0.39	4.13
378	EP	5	1.00	0.045	29.61	0.0	4.21	10.99	0.00	1.20	0.28	0.36	1.84	0.00	0.00	2.5	0.0	0.40	3.9	0.029	0.029	7.609	3.176	0.05	0.03	0.00	0.00	0.39	4.14
379	EP	5	0.90	0.045	29.65	0.0	4.20	10.95	0.00	1.20	0.27	0.36	1.83	0.00	0.00	2.5	0.0	0.40	3.9	0.029	0.029	7.604	3.179	0.05	0.03	0.00	0.00	0.39	4.15
380	EP	5	0.80	0.045	29.69	0.0	4.19	10.91	0.00	1.20	0.27	0.36	1.83	0.00	0.00	2.5	0.0	0.40	3.9	0.029	0.029	7.599	3.183	0.05	0.03	0.00	0.00	0.39	4.16
381	EP	5	0.70	0.045	29.73	0.0	4.19	10.88	0.00	1.20	0.27	0.36	1.83	0.00	0.00	2.4	0.0	0.40	3.9	0.029	0.029	7.594	3.186	0.05	0.03	0.00	0.00	0.39	4.17
382	EP	5	0.60	0.045	29.77	0.0	4.18	10.84	0.00	1.20	0.26	0.36	1.82	0.00	0.00	2.4	0.0	0.40	3.9	0.029	0.029	7.589	3.189	0.05	0.03	0.00	0.00	0.39	4.18
383	EP	5	0.50	0.045	29.81	0.0	4.17	10.80	0.00	1.20	0.26	0.36	1.82	0.00	0.00	2.4	0.0	0.40	3.9	0.029	0.029	7.584	3.193	0.05	0.03	0.00	0.00	0.39	4.19
384	EP	5	0.40	0.045	29.85	0.0	4.17	10.77	0.00	1.20	0.25	0.36	1.82	0.00	0.00	2.4	0.0	0.40	3.9	0.029	0.029	7.579	3.196	0.05	0.03	0.00	0.00	0.39	4.20
385	EP	5	0.30	0.045	29.88	0.0	4.16	10.73	0.00	1.20	0.25	0.36	1.81	0.00	0.00	2.3	0.0	0.40	3.9	0.029	0.029	7.574	3.200	0.05	0.03	0.00	0.00	0.40	4.21
386	EP	5	0.20	0.045	29.92	0.0	4.15	10.70	0.00	1.20	0.25	0.36	1.81	0.00	0.00	2.3	0.0	0.40	3.9	0.029	0.029	7.568	3.203	0.05	0.03	0.00	0.00	0.40	4.22
387	EP	5	0.10	0.045	29.96	0.0	4.15	10.66	0.00	1.20	0.24	0.36	1.81	0.00	0.00	2.3	0.0	0.40	3.9	0.029	0.029	7.564	3.207	0.05	0.03	0.00	0.00	0.40	4.23
388	EP	5	0.00	0.045	30.00	0.0	4.14	10.63	0.00	1.20	0.24	0.37	1.80	0.00	0.00	2.2	0.0	0.40	3.9	0.029	0.029	7.559	3.210	0.05	0.03	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	0.057	33.90	0.0	5.20	23.54	0.00	0.94	0.53	0.19	1.66	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
488	AC	7	7.20	0.057	33.90	0.0	5.29	23.44	0.00	0.94	0.51	0.19	1.65	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
489	AC	7	7.10	0.057	33.90	0.0	5.38	23.33	0.00	0.94	0.50	0.20	1.64	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
490	AC	7	7.00	0.057	33.90	0.0	5.45	23.23	0.00	0.94	0.49	0.21	1.63	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
491	AC	7	6.90	0.057	33.90	0.0	5.52	23.12	0.00	0.94	0.48	0.21	1.63	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
492	AC	7	6.80	0.057	33.90	0.0	5.58	23.02	0.00	0.94	0.46	0.22	1.62	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20

493	AC	7	6.70	0.057	33.90	0.0	5.63	22.91	0.00	0.94	0.45	0.22	1.61	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
494	AC	7	6.60	0.057	33.90	0.0	5.68	22.81	0.00	0.94	0.44	0.23	1.61	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
495	AC	7	6.50	0.057	33.90	0.0	5.73	22.71	0.00	0.94	0.43	0.23	1.60	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
496	AC	7	6.40	0.057	33.90	0.0	5.77	22.60	0.00	0.94	0.42	0.24	1.59	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
497	AC	7	6.30	0.057	33.90	0.0	5.81	22.50	0.00	0.94	0.41	0.24	1.58	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
498	AC	7	6.20	0.057	33.90	0.0	5.84	22.40	0.00	0.94	0.40	0.24	1.58	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.741	0.06	0.03	0.00	0.00	0.55	1.20
WASTELOAD # 499 (LAG750157) ENTERS HERE																																
499	AC	7	6.10	0.057	33.90	0.0	5.86	22.23	0.00	0.93	0.39	0.25	1.57	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
500	AC	7	6.00	0.057	33.90	0.0	5.89	22.13	0.00	0.93	0.38	0.25	1.56	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
501	AC	7	5.90	0.057	33.90	0.0	5.92	22.03	0.00	0.93	0.37	0.26	1.56	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
502	AC	7	5.80	0.057	33.90	0.0	5.94	21.93	0.00	0.93	0.36	0.26	1.55	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
503	AC	7	5.70	0.057	33.90	0.0	5.97	21.83	0.00	0.93	0.35	0.26	1.54	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
504	AC	7	5.60	0.057	33.90	0.0	5.99	21.73	0.00	0.93	0.34	0.26	1.53	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
505	AC	7	5.50	0.057	33.90	0.0	6.01	21.63	0.00	0.93	0.33	0.26	1.52	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
506	AC	7	5.40	0.057	33.90	0.0	6.03	21.53	0.00	0.93	0.33	0.26	1.52	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
507	AC	7	5.30	0.057	33.90	0.0	6.05	21.43	0.00	0.93	0.32	0.26	1.51	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
508	AC	7	5.20	0.057	33.90	0.0	6.07	21.33	0.00	0.93	0.31	0.27	1.50	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
509	AC	7	5.10	0.057	33.90	0.0	6.08	21.23	0.00	0.93	0.30	0.27	1.49	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
510	AC	7	5.00	0.057	33.90	0.0	6.10	21.14	0.00	0.93	0.29	0.27	1.49	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
511	AC	7	4.90	0.057	33.90	0.0	6.11	21.04	0.00	0.92	0.29	0.27	1.48	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
512	AC	7	4.80	0.057	33.90	0.0	6.12	20.94	0.00	0.92	0.28	0.27	1.47	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
513	AC	7	4.70	0.057	33.90	0.0	6.14	20.85	0.00	0.92	0.27	0.27	1.46	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
514	AC	7	4.60	0.057	33.90	0.0	6.15	20.75	0.00	0.92	0.27	0.27	1.46	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
515	AC	7	4.50	0.057	33.90	0.0	6.16	20.66	0.00	0.92	0.26	0.27	1.45	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
516	AC	7	4.40	0.057	33.90	0.0	6.17	20.56	0.00	0.92	0.25	0.26	1.44	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
517	AC	7	4.30	0.057	33.90	0.0	6.18	20.47	0.00	0.92	0.25	0.26	1.43	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
518	AC	7	4.20	0.057	33.90	0.0	6.19	20.37	0.00	0.92	0.24	0.26	1.43	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
519	AC	7	4.10	0.057	33.90	0.0	6.20	20.28	0.00	0.92	0.24	0.26	1.42	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
520	AC	7	4.00	0.057	33.90	0.0	6.21	20.19	0.00	0.92	0.23	0.26	1.41	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
521	AC	7	3.90	0.057	33.90	0.0	6.22	20.09	0.00	0.92	0.23	0.26	1.40	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
522	AC	7	3.80	0.057	33.90	0.0	6.23	20.00	0.00	0.92	0.22	0.26	1.40	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
523	AC	7	3.70	0.057	33.90	0.0	6.24	19.91	0.00	0.92	0.22	0.26	1.39	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
524	AC	7	3.60	0.057	33.90	0.0	6.25	19.82	0.00	0.92	0.21	0.25	1.38	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
525	AC	7	3.50	0.057	33.90	0.0	6.26	19.73	0.00	0.92	0.21	0.25	1.37	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
526	AC	7	3.40	0.057	33.90	0.0	6.26	19.64	0.00	0.92	0.20	0.25	1.37	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
527	AC	7	3.30	0.057	33.90	0.0	6.27	19.55	0.00	0.92	0.20	0.25	1.36	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
528	AC	7	3.20	0.057	33.90	0.0	6.28	19.46	0.00	0.91	0.19	0.24	1.35	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
529	AC	7	3.10	0.057	33.90	0.0	6.29	19.37	0.00	0.91	0.19	0.24	1.34	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
530	AC	7	3.00	0.057	33.90	0.0	6.29	19.28	0.00	0.91	0.18	0.24	1.34	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
531	AC	7	2.90	0.057	33.90	0.0	6.30	19.19	0.00	0.91	0.18	0.24	1.33	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
532	AC	7	2.80	0.057	33.90	0.0	6.31	19.10	0.00	0.91	0.17	0.23	1.32	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
533	AC	7	2.70	0.057	33.90	0.0	6.31	19.01	0.00	0.91	0.17	0.23	1.31	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
WASTELOAD # 534 (LAG540662) ENTERS HERE																																
534	AC	7	2.60	0.057	33.90	0.0	6.32	18.92	0.00	0.91	0.17	0.23	1.31	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
535	AC	7	2.50	0.057	33.90	0.0	6.32	18.83	0.00	0.91	0.16	0.23	1.30	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
536	AC	7	2.40	0.057	33.90	0.0	6.33	18.75	0.00	0.91	0.16	0.22	1.29	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
537	AC	7	2.30	0.057	33.90	0.0	6.34	18.66	0.00	0.91	0.16	0.22	1.29	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
538	AC	7	2.20	0.057	33.90	0.0	6.34	18.58	0.00	0.91	0.15	0.22	1.28	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
539	AC	7	2.10	0.057	33.90	0.0	6.35	18.49	0.00	0.91	0.15	0.21	1.27	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
540	AC	7	2.00	0.057	33.90	0.0	6.35	18.41	0.00	0.91	0.14	0.21	1.26	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
541	AC	7	1.90	0.057	33.90	0.0	6.36	18.32	0.00	0.91	0.14	0.21	1.26	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
542	AC	7	1.80	0.057	33.90	0.0	6.36	18.24	0.00	0.91	0.14	0.20	1.25	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
543	AC	7	1.70	0.057	33.90	0.0	6.37	18.16	0.00	0.91	0.14	0.20	1.24	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
544	AC	7	1.60	0.057	33.90	0.0	6.37	18.07	0.00	0.91	0.13	0.20	1.24	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
545	AC	7	1.50	0.057	33.90	0.0	6.38	17.99	0.00	0.90	0.13	0.19	1.23	0.00	0.00	22.0	0.0	0.47	5.2	0.023	0.023	7.076	2.742	0.06	0.03	0.00	0.00	0.55	1.20
WASTELOAD # 546 (LAG531467) ENTERS HERE																																
546	AC	7	1.40	0.057	33.90	0.0	6.35	18.28	0.00	0.93	0.20	0.21	1.34	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
547	AC	7	1.30	0.057	33.90	0.0	6.35	18.20	0.00	0.93	0.19	0.20	1.33	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
548	AC	7	1.20	0.057	33.90	0.0	6.35	18.12	0.00	0.93	0.19	0.20	1.32	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
549	AC	7	1.10	0.057	33.90	0.0	6.35	18.04	0.00	0.93	0.18	0.20	1.32	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
550	AC	7	1.00	0.057	33.90	0.0	6.36	17.96	0.00	0.93	0.18	0.20	1.31	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
551	AC	7	0.90	0.057	33.90	0.0	6.36	17.87	0.00	0.93	0.18	0.20	1.30	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
552	AC	7	0.80	0.057	33.90	0.0	6.36	17.79	0.00	0.93	0.17	0.19	1.30	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
553	AC	7	0.70	0.057	33.90	0.0	6.37	17.71	0.00	0.93	0.17	0.19	1.29	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
554	AC	7	0.60	0.057	33.90	0.0	6.37	17.63	0.00	0.93	0.16	0.19	1.28	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
555	AC	7	0.50	0.057	33.90	0.0	6.37	17.55	0.00	0.93	0.16	0.19	1.27	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
556	AC	7	0.40	0.057	33.90	0.0	6.38	17.48	0.00	0.93	0.16	0.18	1.27	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
557	AC	7	0.30	0.057	33.90	0.0	6.38	17.40	0.00	0.93	0.15	0.18	1.26	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20

CAPSULE SUMMARY FOR Arnold's Creek

IOR	REACH	DIST km	FLOW m^3/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 m^2/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 $g/m^2/d$

558	AC	7	0.20	0.057	33.90	0.0	6.38	17.32	0.00	0.93	0.15	0.18	1.25	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
559	AC	7	0.10	0.057	33.90	0.0	6.39	17.24	0.00	0.93	0.15	0.18	1.25	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	0.00	0.00	0.55	1.20
560	AC	7	0.00	0.057	33.90	0.0	6.39	17.16	0.00	0.93	0.14	0.17	1.24	0.00	0.00	22.0	0.0	0.47	5.2	0.024	0.024	7.076	2.746	0.06	0.03	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) Calibration 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	0.05663	30.00	0.00	0.00	0.00	7.40	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	0.00019	29.80	0.00	0.00	0.00	2.00	13.80	0.00	13.80	0.00	1.00	2.00	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	0.05663	0.0	0.04142	0.03	0.03	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
2	40.50	40.40	0.05663	0.0	0.04142	0.03	0.06	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
3	40.40	40.30	0.05663	0.0	0.04142	0.03	0.08	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
4	40.30	40.20	0.05663	0.0	0.04142	0.03	0.11	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
5	40.20	40.10	0.05663	0.0	0.04142	0.03	0.14	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
6	40.10	40.00	0.05663	0.0	0.04142	0.03	0.17	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
7	40.00	39.90	0.05663	0.0	0.04142	0.03	0.20	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
8	39.90	39.80	0.05663	0.0	0.04142	0.03	0.22	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
9	39.80	39.70	0.05663	0.0	0.04142	0.03	0.25	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
10	39.70	39.60	0.05663	0.0	0.04142	0.03	0.28	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
11	39.60	39.50	0.05663	0.0	0.04142	0.03	0.31	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
12	39.50	39.40	0.05663	0.0	0.04142	0.03	0.34	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
13	39.40	39.30	0.05663	0.0	0.04142	0.03	0.36	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
14	39.30	39.20	0.05663	0.0	0.04142	0.03	0.39	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
15	39.20	39.10	0.05663	0.0	0.04142	0.03	0.42	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
16	39.10	39.00	0.05663	0.0	0.04142	0.03	0.45	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
17	39.00	38.90	0.05663	0.0	0.04142	0.03	0.48	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
18	38.90	38.80	0.05663	0.0	0.04142	0.03	0.50	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
19	38.80	38.70	0.05663	0.0	0.04142	0.03	0.53	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
20	38.70	38.60	0.05663	0.0	0.04142	0.03	0.56	0.50	2.74	136.72	274.00	1.37	0.00	0.000	0.000	0.041
21	38.60	38.50	0.05667	0.1	0.04144	0.03	0.59	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
22	38.50	38.40	0.05667	0.1	0.04144	0.03	0.61	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
23	38.40	38.30	0.05667	0.1	0.04144	0.03	0.64	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
24	38.30	38.20	0.05667	0.1	0.04144	0.03	0.67	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
25	38.20	38.10	0.05667	0.1	0.04144	0.03	0.70	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
26	38.10	38.00	0.05667	0.1	0.04144	0.03	0.73	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
27	38.00	37.90	0.05667	0.1	0.04144	0.03	0.75	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
28	37.90	37.80	0.05667	0.1	0.04144	0.03	0.78	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
29	37.80	37.70	0.05667	0.1	0.04144	0.03	0.81	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
30	37.70	37.60	0.05667	0.1	0.04144	0.03	0.84	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
31	37.60	37.50	0.05667	0.1	0.04144	0.03	0.87	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
32	37.50	37.40	0.05667	0.1	0.04144	0.03	0.89	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
33	37.40	37.30	0.05667	0.1	0.04144	0.03	0.92	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
34	37.30	37.20	0.05667	0.1	0.04144	0.03	0.95	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
35	37.20	37.10	0.05667	0.1	0.04144	0.03	0.98	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
36	37.10	37.00	0.05667	0.1	0.04144	0.03	1.01	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
37	37.00	36.90	0.05667	0.1	0.04144	0.03	1.03	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
38	36.90	36.80	0.05667	0.1	0.04144	0.03	1.06	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
39	36.80	36.70	0.05667	0.1	0.04144	0.03	1.09	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
40	36.70	36.60	0.05667	0.1	0.04144	0.03	1.12	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
41	36.60	36.50	0.05667	0.1	0.04144	0.03	1.15	0.50	2.74	136.74	274.00	1.37	0.00	0.000	0.000	0.041
42	36.50	36.40	0.05787	2.1	0.04221	0.03	1.17	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
43	36.40	36.30	0.05787	2.1	0.04221	0.03	1.20	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
44	36.30	36.20	0.05787	2.1	0.04221	0.03	1.23	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
45	36.20	36.10	0.05787	2.1	0.04221	0.03	1.26	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
46	36.10	36.00	0.05787	2.1	0.04221	0.03	1.28	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
47	36.00	35.90	0.05787	2.1	0.04221	0.03	1.31	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
48	35.90	35.80	0.05787	2.1	0.04221	0.03	1.34	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
49	35.80	35.70	0.05787	2.1	0.04221	0.03	1.36	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
50	35.70	35.60	0.05787	2.1	0.04221	0.03	1.39	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042

51	35.60	35.50	0.05787	2.1	0.04221	0.03	1.42	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
52	35.50	35.40	0.05787	2.1	0.04221	0.03	1.45	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
53	35.40	35.30	0.05787	2.1	0.04221	0.03	1.47	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
54	35.30	35.20	0.05787	2.1	0.04221	0.03	1.50	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
55	35.20	35.10	0.05787	2.1	0.04221	0.03	1.53	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
56	35.10	35.00	0.05787	2.1	0.04221	0.03	1.56	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
57	35.00	34.90	0.05787	2.1	0.04221	0.03	1.58	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
58	34.90	34.80	0.05787	2.1	0.04221	0.03	1.61	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
59	34.80	34.70	0.05787	2.1	0.04221	0.03	1.64	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
60	34.70	34.60	0.05787	2.1	0.04221	0.03	1.67	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
61	34.60	34.50	0.05787	2.1	0.04221	0.03	1.69	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
62	34.50	34.40	0.05787	2.1	0.04221	0.03	1.72	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
63	34.40	34.30	0.05787	2.1	0.04221	0.03	1.75	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
64	34.30	34.20	0.05787	2.1	0.04221	0.03	1.78	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
65	34.20	34.10	0.05787	2.1	0.04221	0.03	1.80	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
66	34.10	34.00	0.05787	2.1	0.04221	0.03	1.83	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
67	34.00	33.90	0.05787	2.1	0.04221	0.03	1.86	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
68	33.90	33.80	0.05787	2.1	0.04221	0.03	1.89	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
69	33.80	33.70	0.05787	2.1	0.04221	0.03	1.91	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
70	33.70	33.60	0.05787	2.1	0.04221	0.03	1.94	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
71	33.60	33.50	0.05787	2.1	0.04221	0.03	1.97	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
72	33.50	33.40	0.05787	2.1	0.04221	0.03	2.00	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
73	33.40	33.30	0.05787	2.1	0.04221	0.03	2.02	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
74	33.30	33.20	0.05787	2.1	0.04221	0.03	2.05	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
75	33.20	33.10	0.05787	2.1	0.04221	0.03	2.08	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
76	33.10	33.00	0.05787	2.1	0.04221	0.03	2.11	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
77	33.00	32.90	0.05787	2.1	0.04221	0.03	2.13	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
78	32.90	32.80	0.05787	2.1	0.04221	0.03	2.16	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
79	32.80	32.70	0.05787	2.1	0.04221	0.03	2.19	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
80	32.70	32.60	0.05787	2.1	0.04221	0.03	2.21	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
81	32.60	32.50	0.05787	2.1	0.04221	0.03	2.24	0.50	2.74	137.10	274.00	1.37	0.00	0.000	0.000	0.042
82	32.50	32.40	0.05907	4.1	0.04297	0.03	2.27	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
83	32.40	32.30	0.05907	4.1	0.04297	0.03	2.30	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
84	32.30	32.20	0.05907	4.1	0.04297	0.03	2.32	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
85	32.20	32.10	0.05907	4.1	0.04297	0.03	2.35	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
86	32.10	32.00	0.05907	4.1	0.04297	0.03	2.38	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
87	32.00	31.90	0.05907	4.1	0.04297	0.03	2.40	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
88	31.90	31.80	0.05907	4.1	0.04297	0.03	2.43	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
89	31.80	31.70	0.05907	4.1	0.04297	0.03	2.46	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
90	31.70	31.60	0.05907	4.1	0.04297	0.03	2.48	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
91	31.60	31.50	0.05907	4.1	0.04297	0.03	2.51	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
92	31.50	31.40	0.05907	4.1	0.04297	0.03	2.54	0.50	2.74	137.46	274.00	1.37	0.00	0.000	0.000	0.043
93	31.40	31.30	0.05926	4.4	0.04309	0.03	2.57	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
94	31.30	31.20	0.05926	4.4	0.04309	0.03	2.59	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
95	31.20	31.10	0.05926	4.4	0.04309	0.03	2.62	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
96	31.10	31.00	0.05926	4.4	0.04309	0.03	2.65	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
97	31.00	30.90	0.05926	4.4	0.04309	0.03	2.67	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
98	30.90	30.80	0.05926	4.4	0.04309	0.03	2.70	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
99	30.80	30.70	0.05926	4.4	0.04309	0.03	2.73	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
100	30.70	30.60	0.05926	4.4	0.04309	0.03	2.75	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
101	30.60	30.50	0.05926	4.4	0.04309	0.03	2.78	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
102	30.50	30.40	0.05926	4.4	0.04309	0.03	2.81	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
103	30.40	30.30	0.05926	4.4	0.04309	0.03	2.83	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
104	30.30	30.20	0.05926	4.4	0.04309	0.03	2.86	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
105	30.20	30.10	0.05926	4.4	0.04309	0.03	2.89	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
106	30.10	30.00	0.05926	4.4	0.04309	0.03	2.91	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
107	30.00	29.90	0.05926	4.4	0.04309	0.03	2.94	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
108	29.90	29.80	0.05926	4.4	0.04309	0.03	2.97	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
109	29.80	29.70	0.05926	4.4	0.04309	0.03	3.00	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
110	29.70	29.60	0.05926	4.4	0.04309	0.03	3.02	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
111	29.60	29.50	0.05926	4.4	0.04309	0.03	3.05	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
112	29.50	29.40	0.05926	4.4	0.04309	0.03	3.08	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
113	29.40	29.30	0.05926	4.4	0.04309	0.03	3.10	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
114	29.30	29.20	0.05926	4.4	0.04309	0.03	3.13	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
115	29.20	29.10	0.05926	4.4	0.04309	0.03	3.16	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
116	29.10	29.00	0.05926	4.4	0.04309	0.03	3.18	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
117	29.00	28.90	0.05926	4.4	0.04309	0.03	3.21	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
118	28.90	28.80	0.05926	4.4	0.04309	0.03	3.24	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
119	28.80	28.70	0.05926	4.4	0.04309	0.03	3.26	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
120	28.70	28.60	0.05926	4.4	0.04309	0.03	3.29	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
121	28.60	28.50	0.05926	4.4	0.04309	0.03	3.32	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
122	28.50	28.40	0.05926	4.4	0.04309	0.03	3.34	0.50	2.74	137.52	274.00	1.38	0.00	0.000	0.000	0.043
TOT						3.34				16727.79	33428.00					

AVG 0.0422 0.50 2.74 1.37

********** 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	3.03	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
2	40.400	7.56	3.03	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
3	40.300	7.56	3.03	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
4	40.200	7.56	3.03	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
5	40.100	7.56	3.03	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
6	40.000	7.56	3.03	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
7	39.900	7.56	3.03	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
8	39.800	7.56	3.03	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
9	39.700	7.56	3.03	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
10	39.600	7.56	3.03	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
11	39.500	7.56	3.03	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
12	39.400	7.56	3.03	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
13	39.300	7.56	3.03	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
14	39.200	7.56	3.03	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
15	39.100	7.56	3.03	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
16	39.000	7.56	3.03	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
17	38.900	7.56	3.03	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
18	38.800	7.56	3.03	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
19	38.700	7.56	3.03	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
20	38.600	7.56	3.03	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
21	38.500	7.56	3.03	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
22	38.400	7.56	3.03	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
23	38.300	7.56	3.03	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
24	38.200	7.56	3.03	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
25	38.100	7.56	3.03	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
26	38.000	7.56	3.03	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
27	37.900	7.56	3.03	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
28	37.800	7.56	3.03	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
29	37.700	7.56	3.03	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
30	37.600	7.56	3.03	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
31	37.500	7.56	3.03	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
32	37.400	7.56	3.03	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
33	37.300	7.56	3.03	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
34	37.200	7.56	3.03	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
35	37.100	7.56	3.03	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
36	37.000	7.56	3.03	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
37	36.900	7.56	3.03	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
38	36.800	7.56	3.03	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
39	36.700	7.56	3.03	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
40	36.600	7.56	3.03	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
41	36.500	7.56	3.03	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
42	36.400	7.56	3.05	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
43	36.300	7.56	3.05	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
44	36.200	7.56	3.05	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
45	36.100	7.56	3.05	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
46	36.000	7.56	3.05	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
47	35.900	7.56	3.05	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
48	35.800	7.56	3.05	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
49	35.700	7.56	3.05	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
50	35.600	7.56	3.05	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
51	35.500	7.56	3.05	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
52	35.400	7.56	3.05	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
53	35.300	7.56	3.05	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
54	35.200	7.56	3.05	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
55	35.100	7.56	3.05	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
56	35.000	7.56	3.05	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
57	34.900	7.56	3.05	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
58	34.800	7.56	3.05	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
59	34.700	7.56	3.05	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
60	34.600	7.56	3.05	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
61	34.500	7.56	3.05	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
62	34.400	7.56	3.05	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
63	34.300	7.56	3.05	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
64	34.200	7.56	3.05	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
65	34.100	7.56	3.05	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
66	34.000	7.56	3.05	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

67	33.900	7.56	3.05	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
68	33.800	7.56	3.05	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
69	33.700	7.56	3.05	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
70	33.600	7.56	3.05	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
71	33.500	7.56	3.05	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
72	33.400	7.56	3.05	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
73	33.300	7.56	3.05	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
74	33.200	7.56	3.05	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
75	33.100	7.56	3.05	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
76	33.000	7.56	3.05	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
77	32.900	7.56	3.05	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
78	32.800	7.56	3.05	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
79	32.700	7.56	3.05	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
80	32.600	7.56	3.05	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
81	32.500	7.56	3.05	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
82	32.400	7.56	3.06	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	3.06	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	3.06	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	3.06	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	3.06	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	3.06	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	3.06	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	3.06	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	3.06	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	3.06	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	3.06	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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	3.07	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			2.53	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	7.38	15.81	0.00	15.97	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	30.00	0.00	1.00	0.00	7.37	15.77	0.00	15.93	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
3	40.300	30.00	0.00	1.00	0.00	7.35	15.74	0.00	15.90	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	30.00	0.00	1.00	0.00	7.34	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
5	40.100	30.00	0.00	1.00	0.00	7.33	15.67	0.00	15.83	0.00	1.28	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	30.00	0.00	1.00	0.00	7.32	15.64	0.00	15.80	0.00	1.27	0.28	0.09	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	30.00	0.00	1.00	0.00	7.31	15.61	0.00	15.77	0.00	1.27	0.28	0.09	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	30.00	0.00	1.00	0.00	7.30	15.58	0.00	15.74	0.00	1.27	0.28	0.09	1.64	1.29	1.66	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	15.54	0.00	15.70	0.00	1.27	0.28	0.09	1.64	1.29	1.66	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	7.28	15.51	0.00	15.67	0.00	1.27	0.27	0.10	1.64	1.29	1.65	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	7.28	15.48	0.00	15.64	0.00	1.27	0.27	0.10	1.64	1.29	1.65	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	7.27	15.44	0.00	15.60	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
13	39.300	30.00	0.00	1.00	0.00	7.27	15.41	0.00	15.57	0.00	1.27	0.26	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	30.00	0.00	1.00	0.00	7.26	15.38	0.00	15.54	0.00	1.27	0.26	0.11	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	30.00	0.00	1.00	0.00	7.26	15.35	0.00	15.51	0.00	1.27	0.26	0.11	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	30.00	0.00	1.00	0.00	7.25	15.31	0.00	15.47	0.00	1.27	0.26	0.11	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	30.00	0.00	1.00	0.00	7.25	15.28	0.00	15.44	0.00	1.27	0.26	0.11	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	30.00	0.00	1.00	0.00	7.25	15.25	0.00	15.41	0.00	1.27	0.25	0.11	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	30.00	0.00	1.00	0.00	7.25	15.22	0.00	15.38	0.00	1.27	0.25	0.12	1.64	1.28	1.65	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	7.24	15.18	0.00	15.34	0.00	1.27	0.25	0.12	1.64	1.28	1.65	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	7.24	15.14	0.00	15.30	0.00	1.27	0.25	0.12	1.63	1.28	1.65	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	7.24	15.11	0.00	15.27	0.00	1.27	0.24	0.12	1.63	1.28	1.65	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	7.23	15.08	0.00	15.24	0.00	1.27	0.24	0.13	1.63	1.28	1.65	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	7.23	15.04	0.00	15.20	0.00	1.27	0.24	0.13	1.63	1.28	1.65	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	7.23	15.01	0.00	15.17	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
26	38.000	30.00	0.00	1.00	0.00	7.23	14.98	0.00	15.14	0.00	1.27	0.23	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
27	37.900	30.00	0.00	1.00	0.00	7.23	14.95	0.00	15.11	0.00	1.26	0.23	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
28	37.800	30.00	0.00	1.00	0.00	7.23	14.92	0.00	15.08	0.00	1.26	0.23	0.14	1.63	1.28	1.64	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	7.23	14.88	0.00	15.04	0.00	1.26	0.23	0.14	1.63	1.28	1.64	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	7.23	14.85	0.00	15.01	0.00	1.26	0.23	0.14	1.63	1.28	1.64	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	7.23	14.82	0.00	14.98	0.00	1.26	0.22	0.14	1.63	1.28	1.64	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	7.23	14.79	0.00	14.95	0.00	1.26	0.22	0.14	1.63	1.28	1.64	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	7.23	14.76	0.00	14.92	0.00	1.26	0.22	0.14	1.63	1.27	1.64	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	7.24	14.72	0.00	14.88	0.00	1.26	0.22	0.15	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	30.00	0.00	1.00	0.00	7.24	14.69	0.00	14.85	0.00	1.26	0.22	0.15	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	30.00	0.00	1.00	0.00	7.24	14.66	0.00	14.82	0.00	1.26	0.21	0.15	1.62	1.27	1.64	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	7.24	14.63	0.00	14.79	0.00	1.26	0.21	0.15	1.62	1.27	1.64	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	7.24	14.60	0.00	14.76	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
39	36.700	30.00	0.00	1.00	0.00	7.24	14.57	0.00	14.73	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
40	36.600	30.00	0.00	1.00	0.00	7.24	14.53	0.00	14.69	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
41	36.500	30.00	0.00	1.00	0.00	7.24	14.50	0.00	14.66	0.00	1.26	0.20	0.16	1.62	1.27	1.63	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	7.13	15.65	0.00	15.81	0.00	1.34	0.41	0.20	1.95	1.35	1.96	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	7.13	15.62	0.00	15.78	0.00	1.34	0.41	0.20	1.95	1.35	1.96	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	7.13	15.58	0.00	15.74	0.00	1.34	0.40	0.20	1.95	1.35	1.96	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	7.13	15.55	0.00	15.71	0.00	1.34	0.40	0.21	1.95	1.35	1.96	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	7.13	15.52	0.00	15.68	0.00	1.34	0.40	0.21	1.94	1.35	1.96	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	7.13	15.48	0.00	15.64	0.00	1.34	0.39	0.21	1.94	1.35	1.96	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	7.13	15.45	0.00	15.61	0.00	1.34	0.39	0.22	1.94	1.35	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	7.13	15.42	0.00	15.58	0.00	1.34	0.38	0.22	1.94	1.35	1.95	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	7.13	15.38	0.00	15.54	0.00	1.34	0.38	0.22	1.94	1.35	1.95	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	7.13	15.35	0.00	15.51	0.00	1.34	0.38	0.23	1.94	1.35	1.95	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	7.13	15.32	0.00	15.48	0.00	1.34	0.37	0.23	1.94	1.35	1.95	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	7.14	15.28	0.00	15.44	0.00	1.34	0.37	0.23	1.94	1.35	1.95	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	7.14	15.25	0.00	15.41	0.00	1.33	0.37	0.24	1.94	1.35	1.95	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	7.14	15.22	0.00	15.38	0.00	1.33	0.36	0.24	1.93	1.35	1.95	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	7.14	15.18	0.00	15.34	0.00	1.33	0.36	0.24	1.93	1.35	1.95	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	7.14	15.15	0.00	15.31	0.00	1.33	0.36	0.24	1.93	1.35	1.94	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	7.14	15.12	0.00	15.28	0.00	1.33	0.35	0.25	1.93	1.35	1.94	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	7.14	15.08	0.00	15.24	0.00	1.33	0.35	0.25	1.93	1.35	1.94	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	7.15	15.05	0.00	15.21	0.00	1.33	0.34	0.25	1.93	1.34	1.94	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	7.15	15.02	0.00	15.18	0.00	1.33	0.34	0.25	1.93	1.34	1.94	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	7.15	14.98	0.00	15.14	0.00	1.33	0.34	0.26	1.93	1.34	1.94	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	7.15	14.95	0.00	15.11	0.00	1.33	0.34	0.26	1.92	1.34	1.94	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	7.15	14.92	0.00	15.08	0.00	1.33	0.33	0.26	1.92	1.34	1.94	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	14.88	0.00	15.04	0.00	1.33	0.33	0.26	1.92	1.34	1.93	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	7.16	14.85	0.00	15.01	0.00	1.33	0.33	0.27	1.92	1.34	1.93	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	7.16	14.82	0.00	14.98	0.00	1.33	0.32	0.27	1.92	1.34	1.93	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	7.16	14.79	0.00	14.95	0.00	1.33	0.32	0.27	1.92	1.34	1.93	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	7.16	14.75	0.00	14.91	0.00	1.33	0.32	0.27	1.92	1.34	1.93	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	7.17	14.72	0.00	14.88	0.00	1.33	0.31	0.27	1.91	1.34	1.93	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	7.17	14.69	0.00	14.85	0.00	1.33	0.31	0.28	1.91	1.34	1.93	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	7.17	14.65	0.00	14.81	0.00	1.33	0.31	0.28	1.91	1.34	1.92	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	7.17	14.62	0.00	14.78	0.00	1.33	0.30	0.28	1.91	1.34	1.92	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	7.17	14.59	0.00	14.75	0.00	1.33	0.30	0.28	1.91	1.34	1.92	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	7.18	14.56	0.00	14.72	0.00	1.33	0.30	0.28	1.91	1.34	1.92	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	7.18	14.52	0.00	14.68	0.00	1.32	0.30	0.29	1.91	1.34	1.92	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	7.18	14.49	0.00	14.65	0.00	1.32	0.29	0.29	1.91	1.34	1.92	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	7.18	14.46	0.00	14.62	0.00	1.32	0.29	0.29	1.90	1.34	1.92	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	7.18	14.43	0.00	14.59	0.00	1.32	0.29	0.29	1.90	1.34	1.92	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	7.19	14.39	0.00	14.55	0.00	1.32	0.29	0.29	1.90	1.34	1.91	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	7.19	14.36	0.00	14.52	0.00	1.32	0.28	0.29	1.90	1.34	1.91	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	7.08	15.49	0.00	15.65	0.00	1.40	0.48	0.33	2.22	1.41	2.23	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	7.08	15.45	0.00	15.61	0.00	1.40	0.48	0.34	2.21	1.41	2.23	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	7.08	15.42	0.00	15.58	0.00	1.40	0.47	0.34	2.21	1.41	2.23	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	7.08	15.38	0.00	15.54	0.00	1.40	0.47	0.34	2.21	1.41	2.22	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	7.09	15.35	0.00	15.51	0.00	1.40	0.46	0.35	2.21	1.41	2.22	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	15.32	0.00	15.48	0.00	1.40	0.46	0.35	2.21	1.41	2.22	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	7.09	15.28	0.00	15.44	0.00	1.40	0.46	0.35	2.21	1.41	2.22	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	7.09	15.25	0.00	15.41	0.00	1.40	0.45	0.36	2.20	1.41	2.22	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	7.09	15.21	0.00	15.37	0.00	1.40	0.45	0.36	2.20	1.41	2.22	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	7.09	15.18	0.00	15.34	0.00	1.40	0.44	0.36	2.20	1.41	2.21	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	7.09	15.15	0.00	15.31	0.00	1.40	0.44	0.37	2.20	1.41	2.21	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	7.08	15.11	0.00	15.27	0.00	1.39	0.44	0.37	2.21	1.41	2.22	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	7.08	15.07	0.00	15.23	0.00	1.39	0.43	0.38	2.20	1.41	2.22	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	7.09	15.04	0.00	15.20	0.00	1.39	0.43	0.38	2.20	1.41	2.22	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	7.09	15.00	0.00	15.17	0.00	1.39	0.43	0.38	2.20	1.41	2.21	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	7.09	14.97	0.00	15.13	0.00	1.39	0.42	0.38	2.20	1.41	2.21	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	7.10	14.94	0.00	15.10	0.00	1.39	0.42	0.39	2.20	1.41	2.21	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	7.10	14.90	0.00	15.06	0.00	1.39	0.41	0.39	2.20	1.40	2.21	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	7.10	14.87	0.00	15.03	0.00	1.39	0.41	0.39	2.19	1.40	2.21	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	7.10	14.84	0.00	15.00	0.00	1.39	0.41	0.40	2.19	1.40	2.21	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	7.11	14.80	0.00	14.96	0.00	1.39	0.40	0.40	2.19	1.40	2.20	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	7.11	14.77	0.00	14.93	0.00	1.39	0.40	0.40	2.19	1.40	2.20	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	7.11	14.73	0.00	14.89	0.00	1.39	0.39	0.40	2.19	1.40	2.20	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	7.12	14.70	0.00	14.86	0.00	1.39	0.39	0.40	2.18	1.40	2.20	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	7.12	14.67	0.00	14.83	0.00	1.39	0.39	0.41	2.18	1.40	2.20	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	7.12	14.63	0.00	14.79	0.00	1.39	0.38	0.41	2.18	1.40	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	7.12	14.60	0.00	14.76	0.00	1.39	0.38	0.41	2.18	1.40	2.19	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	7.13	14.57	0.00	14.73	0.00	1.39	0.38	0.41	2.18	1.40	2.19	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	7.13	14.53	0.00	14.69	0.00	1.39	0.37	0.42	2.18	1.40	2.19	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	7.13	14.50	0.00	14.66	0.00	1.39	0.37	0.42	2.17	1.40	2.19	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	7.13	14.47	0.00	14.63	0.00	1.39	0.37	0.42	2.17	1.40	2.18	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	7.14	14.43	0.00	14.59	0.00	1.39	0.36	0.42	2.17	1.40	2.18	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	7.14	14.40	0.00	14.56	0.00	1.39	0.36	0.42	2.17	1.40	2.18	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	7.14	14.37	0.00	14.53	0.00	1.38	0.36	0.43	2.17	1.40	2.18	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	7.14	14.33	0.00	14.49	0.00	1.38	0.35	0.43	2.16	1.40	2.18	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	7.15	14.30	0.00	14.46	0.00	1.38	0.35	0.43	2.16	1.40	2.17	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	7.15	14.27	0.00	14.43	0.00	1.38	0.35	0.43	2.16	1.40	2.17	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	7.15	14.23	0.00	14.39	0.00	1.38	0.34	0.43	2.16	1.40	2.17	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	7.16	14.20	0.00	14.36	0.00	1.38	0.34	0.43	2.16	1.40	2.17	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	7.16	14.17	0.00	14.33	0.00	1.38	0.34	0.44	2.15	1.39	2.17	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	7.16	14.14	0.00	14.30	0.00	1.38	0.33	0.44	2.15	1.39	2.16	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) Calibration 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	0.05926	30.00	0.00	1.00	0.00	7.16	14.14	0.00	14.30	0.00	1.38	0.33	0.44	0.00	1.50	0.00	0.00
203	TRIB	0.01021	30.00	0.00	1.00	0.00	6.99	19.33	0.00	19.49	0.00	3.09	1.23	0.81	0.00	1.50	0.00	0.00
EACH	INCR	0.00038	29.00	0.00	0.00	0.00	7.80	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	0.00181	29.80	0.00	0.00	0.00	4.10	33.10	0.00	33.10	0.00	2.40	4.80	2.00	0.00	0.00	0.00	0.00
239	WSTLD	-0.05380	32.60	0.00	1.00	0.00	7.36	14.05	0.00	18.53	0.00	1.71	0.52	0.47	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	0.06985	14.3	0.11577	0.01	3.35	0.18	3.35	60.33	335.00	0.60	0.00	0.000	0.000	0.116
204	28.30	28.20	0.07023	14.3	0.11632	0.01	3.36	0.18	3.35	60.38	335.00	0.60	0.00	0.000	0.000	0.116
205	28.20	28.10	0.07061	14.2	0.11687	0.01	3.37	0.18	3.35	60.42	335.00	0.60	0.00	0.000	0.000	0.117
206	28.10	28.00	0.07099	14.1	0.11742	0.01	3.38	0.18	3.35	60.46	335.00	0.60	0.00	0.000	0.000	0.117
207	28.00	27.90	0.07138	14.0	0.11797	0.01	3.39	0.18	3.35	60.50	335.00	0.61	0.00	0.000	0.000	0.118
208	27.90	27.80	0.07176	13.9	0.11852	0.01	3.40	0.18	3.35	60.54	335.00	0.61	0.00	0.000	0.000	0.119
209	27.80	27.70	0.07214	13.9	0.11907	0.01	3.41	0.18	3.35	60.58	335.00	0.61	0.00	0.000	0.000	0.119
210	27.70	27.60	0.07252	13.8	0.11962	0.01	3.42	0.18	3.35	60.62	335.00	0.61	0.00	0.000	0.000	0.120
211	27.60	27.50	0.07290	13.7	0.12017	0.01	3.43	0.18	3.35	60.66	335.00	0.61	0.00	0.000	0.000	0.120
212	27.50	27.40	0.07328	13.7	0.12072	0.01	3.44	0.18	3.35	60.71	335.00	0.61	0.00	0.000	0.000	0.121
213	27.40	27.30	0.07398	14.0	0.12172	0.01	3.45	0.18	3.35	60.78	335.00	0.61	0.00	0.000	0.000	0.122
214	27.30	27.20	0.07436	13.9	0.12227	0.01	3.46	0.18	3.35	60.82	335.00	0.61	0.00	0.000	0.000	0.122
215	27.20	27.10	0.07474	13.8	0.12282	0.01	3.47	0.18	3.35	60.86	335.00	0.61	0.00	0.000	0.000	0.123
216	27.10	27.00	0.07513	13.8	0.12336	0.01	3.48	0.18	3.35	60.90	335.00	0.61	0.00	0.000	0.000	0.123
217	27.00	26.90	0.07551	13.7	0.12391	0.01	3.49	0.18	3.35	60.94	335.00	0.61	0.00	0.000	0.000	0.124
218	26.90	26.80	0.07589	13.6	0.12445	0.01	3.50	0.18	3.35	60.98	335.00	0.61	0.00	0.000	0.000	0.124
219	26.80	26.70	0.07627	13.5	0.12500	0.01	3.51	0.18	3.35	61.02	335.00	0.61	0.00	0.000	0.000	0.125
220	26.70	26.60	0.07693	13.8	0.12594	0.01	3.52	0.18	3.35	61.08	335.00	0.61	0.00	0.000	0.000	0.126
221	26.60	26.50	0.07731	13.7	0.12649	0.01	3.53	0.18	3.35	61.12	335.00	0.61	0.00	0.000	0.000	0.126
222	26.50	26.40	0.07769	13.7	0.12703	0.01	3.54	0.18	3.35	61.16	335.00	0.61	0.00	0.000	0.000	0.127
223	26.40	26.30	0.07807	13.6	0.12757	0.01	3.54	0.18	3.35	61.20	335.00	0.61	0.00	0.000	0.000	0.128
224	26.30	26.20	0.07845	13.5	0.12812	0.01	3.55	0.18	3.35	61.24	335.00	0.61	0.00	0.000	0.000	0.128
225	26.20	26.10	0.07883	13.5	0.12866	0.01	3.56	0.18	3.35	61.27	335.00	0.61	0.00	0.000	0.000	0.129
226	26.10	26.00	0.07922	13.4	0.12920	0.01	3.57	0.18	3.35	61.31	335.00	0.61	0.00	0.000	0.000	0.129
227	26.00	25.90	0.07960	13.3	0.12974	0.01	3.58	0.18	3.35	61.35	335.00	0.61	0.00	0.000	0.000	0.130

228	25.90	25.80	0.08001	13.3	0.13033	0.01	3.59	0.18	3.35	61.39	335.00	0.61	0.00	0.000	0.000	0.130
229	25.80	25.70	0.08039	13.2	0.13087	0.01	3.60	0.18	3.35	61.43	335.00	0.61	0.00	0.000	0.000	0.131
230	25.70	25.60	0.08077	13.2	0.13141	0.01	3.61	0.18	3.35	61.46	335.00	0.61	0.00	0.000	0.000	0.131
231	25.60	25.50	0.08115	13.1	0.13195	0.01	3.62	0.18	3.35	61.50	335.00	0.62	0.00	0.000	0.000	0.132
232	25.50	25.40	0.08153	13.1	0.13249	0.01	3.62	0.18	3.35	61.54	335.00	0.62	0.00	0.000	0.000	0.132
233	25.40	25.30	0.08191	13.0	0.13303	0.01	3.63	0.18	3.35	61.57	335.00	0.62	0.00	0.000	0.000	0.133
234	25.30	25.20	0.08229	12.9	0.13357	0.01	3.64	0.18	3.35	61.61	335.00	0.62	0.00	0.000	0.000	0.134
235	25.20	25.10	0.08268	12.9	0.13411	0.01	3.65	0.18	3.35	61.65	335.00	0.62	0.00	0.000	0.000	0.134
236	25.10	25.00	0.08487	14.7	0.13721	0.01	3.66	0.18	3.35	61.85	335.00	0.62	0.00	0.000	0.000	0.137
237	25.00	24.90	0.08525	14.6	0.13774	0.01	3.67	0.18	3.35	61.89	335.00	0.62	0.00	0.000	0.000	0.138
238	24.90	24.80	0.08563	14.5	0.13828	0.01	3.68	0.18	3.35	61.92	335.00	0.62	0.00	0.000	0.000	0.138
239	24.80	24.70	0.03221	14.5	0.05893	0.02	3.70	0.16	3.35	54.66	335.00	0.55	0.00	0.000	0.000	0.059
TOT						0.35				2253.70	12395.00					
AVG					0.1220			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	7.55	12.04	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	0.21	0.00	0.00	0.00	0.00
204	28.200	7.54	12.06	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	0.29	0.00	0.00	0.00	0.00
205	28.100	7.53	12.07	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.41	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	12.09	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.41	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	12.10	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.41	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	12.12	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.41	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	12.13	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.42	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	12.15	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.42	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	12.16	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.42	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	12.17	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.42	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	12.19	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.42	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	12.20	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.43	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	12.22	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.43	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	12.23	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.43	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	12.25	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.43	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	12.26	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.44	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	12.28	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.44	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	12.29	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.44	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	12.31	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.44	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	12.32	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.45	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	12.34	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.45	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	12.35	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.45	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	12.37	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.45	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	12.38	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.46	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	12.40	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.46	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	12.41	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.46	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	12.43	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.46	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	12.44	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.47	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	12.45	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.47	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	12.47	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.47	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	12.48	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.48	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	12.50	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.48	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	12.51	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.48	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	12.53	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.48	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	12.54	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.49	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	12.56	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.49	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	11.61	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	3.75	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	30.07	0.00	1.00	0.00	7.17	14.84	0.00	15.12	0.00	1.63	0.46	0.49	2.58	1.66	2.61	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	7.20	14.79	0.00	15.18	0.00	1.63	0.46	0.49	2.58	1.67	2.61	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	7.23	14.73	0.00	15.24	0.00	1.64	0.45	0.49	2.58	1.68	2.62	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	7.26	14.67	0.00	15.30	0.00	1.64	0.45	0.49	2.57	1.69	2.62	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	7.28	14.62	0.00	15.36	0.00	1.64	0.45	0.48	2.57	1.70	2.63	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	7.30	14.56	0.00	15.43	0.00	1.64	0.44	0.48	2.56	1.71	2.63	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	7.31	14.51	0.00	15.49	0.00	1.64	0.44	0.48	2.56	1.72	2.64	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	7.33	14.46	0.00	15.55	0.00	1.64	0.44	0.48	2.56	1.73	2.64	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	7.34	14.41	0.00	15.62	0.00	1.64	0.43	0.48	2.55	1.74	2.65	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	7.35	14.35	0.00	15.68	0.00	1.64	0.43	0.48	2.55	1.75	2.65	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	7.34	14.56	0.00	16.01	0.00	1.66	0.47	0.48	2.61	1.77	2.73	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	7.35	14.51	0.00	16.07	0.00	1.66	0.47	0.48	2.61	1.78	2.73	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	7.36	14.46	0.00	16.14	0.00	1.66	0.46	0.48	2.60	1.79	2.74	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	7.37	14.41	0.00	16.20	0.00	1.66	0.46	0.48	2.60	1.80	2.74	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	7.37	14.36	0.00	16.27	0.00	1.66	0.46	0.47	2.59	1.81	2.74	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	7.38	14.31	0.00	16.34	0.00	1.66	0.45	0.47	2.59	1.82	2.75	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	7.39	14.26	0.00	16.40	0.00	1.66	0.45	0.47	2.58	1.83	2.75	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	7.37	14.48	0.00	16.74	0.00	1.68	0.49	0.47	2.65	1.86	2.83	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	7.38	14.43	0.00	16.81	0.00	1.68	0.49	0.47	2.64	1.87	2.83	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	7.38	14.38	0.00	16.88	0.00	1.68	0.48	0.47	2.64	1.88	2.84	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	7.39	14.33	0.00	16.95	0.00	1.68	0.48	0.47	2.63	1.89	2.84	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	7.39	14.28	0.00	17.01	0.00	1.68	0.48	0.47	2.63	1.90	2.85	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	7.39	14.23	0.00	17.08	0.00	1.68	0.47	0.46	2.62	1.91	2.85	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	7.39	14.19	0.00	17.15	0.00	1.68	0.47	0.46	2.62	1.92	2.85	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	7.40	14.14	0.00	17.22	0.00	1.69	0.47	0.46	2.61	1.93	2.86	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	7.40	14.13	0.00	17.33	0.00	1.69	0.47	0.46	2.62	1.94	2.87	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	7.40	14.08	0.00	17.40	0.00	1.69	0.47	0.46	2.61	1.95	2.88	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	7.40	14.03	0.00	17.47	0.00	1.69	0.46	0.46	2.61	1.96	2.88	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	7.40	13.99	0.00	17.54	0.00	1.69	0.46	0.45	2.60	1.97	2.88	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	7.40	13.94	0.00	17.61	0.00	1.69	0.46	0.45	2.60	1.98	2.89	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	7.40	13.90	0.00	17.68	0.00	1.69	0.45	0.45	2.59	1.99	2.89	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	7.41	13.85	0.00	17.75	0.00	1.69	0.45	0.45	2.59	2.00	2.90	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	7.41	13.81	0.00	17.83	0.00	1.69	0.45	0.45	2.58	2.01	2.90	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	7.34	14.18	0.00	18.31	0.00	1.71	0.53	0.48	2.72	2.04	3.05	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	7.35	14.13	0.00	18.39	0.00	1.71	0.53	0.47	2.71	2.05	3.05	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	7.35	14.09	0.00	18.46	0.00	1.71	0.53	0.47	2.71	2.06	3.06	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	7.36	14.05	0.00	18.53	0.00	1.71	0.52	0.47	2.70	2.07	3.06	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) Calibration 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	0.03221	32.60	0.00	1.00	0.00	7.36	14.05	0.00	18.53	0.00	1.71	0.52	0.47	0.00	42.00	0.00	0.00
EACH	INCR	0.00035	29.00	0.00	0.00	0.00	7.80	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	0.03256	14.3	0.02408	0.05	3.74	0.44	3.08	135.25	308.00	1.35	0.00	0.000	0.000	0.024
241	24.60	24.50	0.03292	14.2	0.02430	0.05	3.79	0.44	3.08	135.43	308.00	1.35	0.00	0.000	0.000	0.024
242	24.50	24.40	0.03327	14.0	0.02453	0.05	3.84	0.44	3.08	135.62	308.00	1.36	0.00	0.000	0.000	0.025
243	24.40	24.30	0.03362	13.9	0.02476	0.05	3.88	0.44	3.08	135.80	308.00	1.36	0.00	0.000	0.000	0.025
244	24.30	24.20	0.03397	13.7	0.02498	0.05	3.93	0.44	3.08	135.98	308.00	1.36	0.00	0.000	0.000	0.025
245	24.20	24.10	0.03433	13.6	0.02521	0.05	3.98	0.44	3.08	136.16	308.00	1.36	0.00	0.000	0.000	0.025
246	24.10	24.00	0.03468	13.4	0.02543	0.05	4.02	0.44	3.08	136.34	308.00	1.36	0.00	0.000	0.000	0.025
247	24.00	23.90	0.03503	13.3	0.02566	0.05	4.07	0.44	3.08	136.52	308.00	1.37	0.00	0.000	0.000	0.026
248	23.90	23.80	0.03538	13.2	0.02589	0.04	4.11	0.44	3.08	136.69	308.00	1.37	0.00	0.000	0.000	0.026
249	23.80	23.70	0.03574	13.0	0.02611	0.04	4.16	0.44	3.08	136.86	308.00	1.37	0.00	0.000	0.000	0.026
250	23.70	23.60	0.03609	12.9	0.02633	0.04	4.20	0.44	3.08	137.04	308.00	1.37	0.00	0.000	0.000	0.026
251	23.60	23.50	0.03644	12.8	0.02656	0.04	4.24	0.45	3.08	137.21	308.00	1.37	0.00	0.000	0.000	0.027
252	23.50	23.40	0.03679	12.7	0.02678	0.04	4.29	0.45	3.08	137.37	308.00	1.37	0.00	0.000	0.000	0.027
253	23.40	23.30	0.03715	12.6	0.02701	0.04	4.33	0.45	3.08	137.54	308.00	1.38	0.00	0.000	0.000	0.027
254	23.30	23.20	0.03750	12.4	0.02723	0.04	4.37	0.45	3.08	137.71	308.00	1.38	0.00	0.000	0.000	0.027
255	23.20	23.10	0.03785	12.3	0.02745	0.04	4.41	0.45	3.08	137.87	308.00	1.38	0.00	0.000	0.000	0.027
256	23.10	23.00	0.03820	12.2	0.02768	0.04	4.46	0.45	3.08	138.04	308.00	1.38	0.00	0.000	0.000	0.028
257	23.00	22.90	0.03856	12.1	0.02790	0.04	4.50	0.45	3.08	138.20	308.00	1.38	0.00	0.000	0.000	0.028
258	22.90	22.80	0.03891	12.0	0.02812	0.04	4.54	0.45	3.08	138.36	308.00	1.38	0.00	0.000	0.000	0.028
259	22.80	22.70	0.03926	11.9	0.02834	0.04	4.58	0.45	3.08	138.52	308.00	1.39	0.00	0.000	0.000	0.028
260	22.70	22.60	0.03961	11.8	0.02856	0.04	4.62	0.45	3.08	138.68	308.00	1.39	0.00	0.000	0.000	0.029
261	22.60	22.50	0.03997	11.7	0.02879	0.04	4.66	0.45	3.08	138.83	308.00	1.39	0.00	0.000	0.000	0.029
262	22.50	22.40	0.04032	11.6	0.02901	0.04	4.70	0.45	3.08	138.99	308.00	1.39	0.00	0.000	0.000	0.029
263	22.40	22.30	0.04067	11.5	0.02923	0.04	4.74	0.45	3.08	139.14	308.00	1.39	0.00	0.000	0.000	0.029
264	22.30	22.20	0.04102	11.4	0.02945	0.04	4.78	0.45	3.08	139.30	308.00	1.39	0.00	0.000	0.000	0.029
265	22.20	22.10	0.04138	11.3	0.02967	0.04	4.82	0.45	3.08	139.45	308.00	1.39	0.00	0.000	0.000	0.030
266	22.10	22.00	0.04173	11.2	0.02989	0.04	4.86	0.45	3.08	139.60	308.00	1.40	0.00	0.000	0.000	0.030
267	22.00	21.90	0.04208	11.1	0.03011	0.04	4.90	0.45	3.08	139.75	308.00	1.40	0.00	0.000	0.000	0.030
268	21.90	21.80	0.04243	11.0	0.03033	0.04	4.93	0.45	3.08	139.90	308.00	1.40	0.00	0.000	0.000	0.030
269	21.80	21.70	0.04279	10.9	0.03055	0.04	4.97	0.45	3.08	140.05	308.00	1.40	0.00	0.000	0.000	0.031
270	21.70	21.60	0.04314	10.8	0.03077	0.04	5.01	0.46	3.08	140.19	308.00	1.40	0.00	0.000	0.000	0.031
271	21.60	21.50	0.04349	10.7	0.03099	0.04	5.05	0.46	3.08	140.34	308.00	1.40	0.00	0.000	0.000	0.031
272	21.50	21.40	0.04384	10.6	0.03121	0.04	5.08	0.46	3.08	140.48	308.00	1.40	0.00	0.000	0.000	0.031
273	21.40	21.30	0.04420	10.5	0.03143	0.04	5.12	0.46	3.08	140.63	308.00	1.41	0.00	0.000	0.000	0.031
274	21.30	21.20	0.04455	10.5	0.03165	0.04	5.16	0.46	3.08	140.77	308.00	1.41	0.00	0.000	0.000	0.032
275	21.20	21.10	0.04490	10.4	0.03186	0.04	5.19	0.46	3.08	140.91	308.00	1.41	0.00	0.000	0.000	0.032
276	21.10	21.00	0.04525	10.3	0.03208	0.04	5.23	0.46	3.08	141.05	308.00	1.41	0.00	0.000	0.000	0.032
277	21.00	20.90	0.04640	11.8	0.03279	0.04	5.27	0.46	3.08	141.50	308.00	1.42	0.00	0.000	0.000	0.033
278	20.90	20.80	0.04675	11.7	0.03300	0.04	5.30	0.46	3.08	141.64	308.00	1.42	0.00	0.000	0.000	0.033
279	20.80	20.70	0.04710	11.6	0.03322	0.03	5.34	0.46	3.08	141.78	308.00	1.42	0.00	0.000	0.000	0.033
TOT						1.64				5541.51	12320.00					
AVG					0.0282			0.45	3.08			1.39				

********** 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	2.88	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	2.89	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	2.89	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	2.89	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	2.89	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	2.89	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	2.90	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	2.90	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	2.90	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	2.90	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	2.90	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	2.91	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	2.91	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	2.91	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	2.91	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	2.92	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	2.92	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	2.92	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	2.92	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	2.92	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	2.93	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	2.93	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	2.93	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	2.93	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	2.93	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	2.94	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	2.94	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	2.94	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	2.94	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	2.94	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	2.95	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	2.95	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	2.95	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	2.95	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	2.95	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	0.58	0.00	0.00	0.00	0.00
275	21.100	7.52	2.96	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	0.50	0.00	0.00	0.00	0.00
276	21.000	7.53	2.96	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	0.42	0.00	0.00	0.00	0.00
277	20.900	7.54	2.97	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	0.34	0.00	0.00	0.00	0.00
278	20.800	7.55	2.97	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	0.26	0.00	0.00	0.00	0.00
279	20.700	7.56	2.98	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	0.18	0.00	0.00	0.00	0.00
AVG 20 DEG C RATE			2.38	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	7.42	13.91	0.00	18.29	0.00	1.71	0.51	0.47	2.68	2.06	3.03	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	7.48	13.78	0.00	18.06	0.00	1.71	0.49	0.46	2.66	2.05	3.00	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	7.53	13.66	0.00	17.83	0.00	1.71	0.48	0.45	2.64	2.04	2.98	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	7.57	13.54	0.00	17.60	0.00	1.71	0.47	0.45	2.63	2.03	2.95	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	7.60	13.42	0.00	17.37	0.00	1.71	0.45	0.44	2.61	2.03	2.92	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	7.63	13.30	0.00	17.15	0.00	1.71	0.44	0.44	2.59	2.02	2.90	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	7.65	13.19	0.00	16.93	0.00	1.71	0.43	0.43	2.57	2.01	2.87	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	7.67	13.08	0.00	16.71	0.00	1.71	0.42	0.43	2.56	2.00	2.85	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	7.68	12.97	0.00	16.50	0.00	1.71	0.41	0.42	2.54	1.99	2.82	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	7.69	12.86	0.00	16.29	0.00	1.71	0.40	0.42	2.53	1.99	2.80	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	7.70	12.76	0.00	16.08	0.00	1.71	0.39	0.41	2.51	1.98	2.78	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	7.70	12.66	0.00	15.87	0.00	1.71	0.38	0.41	2.50	1.97	2.76	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	12.56	0.00	15.67	0.00	1.71	0.37	0.40	2.49	1.96	2.73	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	7.71	12.47	0.00	15.47	0.00	1.71	0.36	0.40	2.47	1.95	2.71	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	7.70	12.38	0.00	15.27	0.00	1.72	0.35	0.39	2.46	1.95	2.69	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	7.70	12.29	0.00	15.07	0.00	1.72	0.34	0.39	2.45	1.94	2.67	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	7.70	12.20	0.00	14.88	0.00	1.72	0.34	0.39	2.44	1.93	2.65	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	7.69	12.11	0.00	14.69	0.00	1.72	0.33	0.38	2.43	1.92	2.63	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	7.69	12.03	0.00	14.50	0.00	1.72	0.32	0.38	2.42	1.91	2.61	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	7.68	11.95	0.00	14.31	0.00	1.72	0.31	0.38	2.41	1.91	2.59	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	7.67	11.87	0.00	14.12	0.00	1.72	0.31	0.37	2.40	1.90	2.58	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	7.66	11.79	0.00	13.94	0.00	1.72	0.30	0.37	2.39	1.89	2.56	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	7.66	11.71	0.00	13.75	0.00	1.72	0.30	0.36	2.38	1.88	2.54	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	7.65	11.63	0.00	13.57	0.00	1.72	0.29	0.36	2.37	1.87	2.52	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	7.64	11.56	0.00	13.39	0.00	1.72	0.28	0.36	2.36	1.86	2.51	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	7.63	11.49	0.00	13.22	0.00	1.72	0.28	0.36	2.35	1.86	2.49	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	7.62	11.42	0.00	13.04	0.00	1.72	0.27	0.35	2.35	1.85	2.47	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	7.61	11.35	0.00	12.86	0.00	1.72	0.27	0.35	2.34	1.84	2.46	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	7.59	11.28	0.00	12.69	0.00	1.72	0.26	0.35	2.33	1.83	2.44	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	7.58	11.22	0.00	12.52	0.00	1.72	0.26	0.35	2.32	1.82	2.43	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	7.57	11.15	0.00	12.35	0.00	1.72	0.25	0.34	2.32	1.82	2.41	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	7.56	11.09	0.00	12.18	0.00	1.72	0.25	0.34	2.31	1.81	2.40	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	7.55	11.03	0.00	12.01	0.00	1.72	0.25	0.34	2.31	1.80	2.38	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	7.54	10.97	0.00	11.84	0.00	1.72	0.24	0.34	2.30	1.79	2.37	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	7.52	10.91	0.00	11.68	0.00	1.72	0.24	0.33	2.29	1.78	2.36	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	7.51	10.85	0.00	11.51	0.00	1.72	0.23	0.33	2.29	1.77	2.34	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	7.50	10.79	0.00	11.35	0.00	1.72	0.23	0.33	2.28	1.77	2.33	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	7.40	11.69	0.00	12.14	0.00	1.78	0.39	0.36	2.52	1.81	2.56	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	7.38	11.62	0.00	11.97	0.00	1.78	0.38	0.36	2.52	1.80	2.54	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	7.37	11.56	0.00	11.80	0.00	1.78	0.37	0.36	2.51	1.79	2.53	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) Calibration 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	0.04710	30.00	0.00	1.00	0.00	7.37	11.56	0.00	11.80	0.00	1.78	0.37	0.36	0.00	2.25	0.00	0.00
389	TRIB	0.04544	30.00	0.00	1.00	0.00	4.14	10.63	0.00	10.87	0.00	1.20	0.24	0.37	0.00	2.25	0.00	0.00
EACH	INCR	0.00510	29.00	0.00	0.00	0.00	7.00	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	3.30	48.00	0.00	48.00	0.00	3.50	6.95	2.00	0.00	0.00	0.00	0.00
452	WSTLD	0.00183	29.80	0.00	0.00	0.00	3.30	48.00	0.00	48.00	0.00	3.50	6.95	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	0.09764	8.6	0.24158	0.00	5.34	0.13	3.20	40.42	320.00	0.40	0.00	0.000	0.000	0.242
390	20.60	20.50	0.10274	8.2	0.25256	0.00	5.34	0.13	3.20	40.68	320.00	0.41	0.00	0.000	0.000	0.253
391	20.50	20.40	0.10785	7.8	0.26346	0.00	5.35	0.13	3.20	40.93	320.00	0.41	0.00	0.000	0.000	0.263
392	20.40	20.30	0.11295	7.5	0.27430	0.00	5.35	0.13	3.20	41.18	320.00	0.41	0.00	0.000	0.000	0.274
393	20.30	20.20	0.11844	7.4	0.28590	0.00	5.36	0.13	3.20	41.43	320.00	0.41	0.00	0.000	0.000	0.286
394	20.20	20.10	0.12354	7.1	0.29661	0.00	5.36	0.13	3.20	41.65	320.00	0.42	0.00	0.000	0.000	0.297
395	20.10	20.00	0.12864	6.9	0.30727	0.00	5.36	0.13	3.20	41.87	320.00	0.42	0.00	0.000	0.000	0.307
396	20.00	19.90	0.13375	6.6	0.31788	0.00	5.37	0.13	3.20	42.08	320.00	0.42	0.00	0.000	0.000	0.318
397	19.90	19.80	0.13885	6.3	0.32843	0.00	5.37	0.13	3.20	42.28	320.00	0.42	0.00	0.000	0.000	0.328
398	19.80	19.70	0.14395	6.1	0.33893	0.00	5.38	0.13	3.20	42.47	320.00	0.42	0.00	0.000	0.000	0.339
399	19.70	19.60	0.14905	5.9	0.34939	0.00	5.38	0.13	3.20	42.66	320.00	0.43	0.00	0.000	0.000	0.349
400	19.60	19.50	0.15415	5.7	0.35980	0.00	5.38	0.13	3.20	42.85	320.00	0.43	0.00	0.000	0.000	0.360
401	19.50	19.40	0.15926	5.5	0.37016	0.00	5.38	0.13	3.20	43.02	320.00	0.43	0.00	0.000	0.000	0.370
402	19.40	19.30	0.16436	5.4	0.38048	0.00	5.39	0.13	3.20	43.20	320.00	0.43	0.00	0.000	0.000	0.380
403	19.30	19.20	0.16946	5.2	0.39077	0.00	5.39	0.14	3.20	43.37	320.00	0.43	0.00	0.000	0.000	0.391
404	19.20	19.10	0.17456	5.0	0.40101	0.00	5.39	0.14	3.20	43.53	320.00	0.44	0.00	0.000	0.000	0.401
405	19.10	19.00	0.17966	4.9	0.41122	0.00	5.40	0.14	3.20	43.69	320.00	0.44	0.00	0.000	0.000	0.411
406	19.00	18.90	0.18477	4.8	0.42138	0.00	5.40	0.14	3.20	43.85	320.00	0.44	0.00	0.000	0.000	0.421
407	18.90	18.80	0.18987	4.6	0.43152	0.00	5.40	0.14	3.20	44.00	320.00	0.44	0.00	0.000	0.000	0.432
408	18.80	18.70	0.19497	4.5	0.44161	0.00	5.40	0.14	3.20	44.15	320.00	0.44	0.00	0.000	0.000	0.442
409	18.70	18.60	0.20007	4.4	0.45168	0.00	5.41	0.14	3.20	44.30	320.00	0.44	0.00	0.000	0.000	0.452
410	18.60	18.50	0.20517	4.3	0.46171	0.00	5.41	0.14	3.20	44.44	320.00	0.44	0.00	0.000	0.000	0.462
411	18.50	18.40	0.21028	4.2	0.47171	0.00	5.41	0.14	3.20	44.58	320.00	0.45	0.00	0.000	0.000	0.472
412	18.40	18.30	0.21538	4.1	0.48168	0.00	5.41	0.14	3.20	44.71	320.00	0.45	0.00	0.000	0.000	0.482
413	18.30	18.20	0.22048	4.0	0.49161	0.00	5.42	0.14	3.20	44.85	320.00	0.45	0.00	0.000	0.000	0.492
414	18.20	18.10	0.22558	3.9	0.50152	0.00	5.42	0.14	3.20	44.98	320.00	0.45	0.00	0.000	0.000	0.502
415	18.10	18.00	0.23069	3.8	0.51140	0.00	5.42	0.14	3.20	45.11	320.00	0.45	0.00	0.000	0.000	0.511
416	18.00	17.90	0.23579	3.7	0.52126	0.00	5.42	0.14	3.20	45.23	320.00	0.45	0.00	0.000	0.000	0.521
417	17.90	17.80	0.24089	3.7	0.53108	0.00	5.43	0.14	3.20	45.36	320.00	0.45	0.00	0.000	0.000	0.531
418	17.80	17.70	0.24599	3.6	0.54088	0.00	5.43	0.14	3.20	45.48	320.00	0.45	0.00	0.000	0.000	0.541
419	17.70	17.60	0.25109	3.5	0.55065	0.00	5.43	0.14	3.20	45.60	320.00	0.46	0.00	0.000	0.000	0.551
420	17.60	17.50	0.25620	3.4	0.56040	0.00	5.43	0.14	3.20	45.72	320.00	0.46	0.00	0.000	0.000	0.560
421	17.50	17.40	0.26130	3.4	0.57012	0.00	5.43	0.14	3.20	45.83	320.00	0.46	0.00	0.000	0.000	0.570
422	17.40	17.30	0.26640	3.3	0.57982	0.00	5.44	0.14	3.20	45.95	320.00	0.46	0.00	0.000	0.000	0.580
423	17.30	17.20	0.27150	3.2	0.58950	0.00	5.44	0.14	3.20	46.06	320.00	0.46	0.00	0.000	0.000	0.589
424	17.20	17.10	0.27660	3.2	0.59915	0.00	5.44	0.14	3.20	46.17	320.00	0.46	0.00	0.000	0.000	0.599
425	17.10	17.00	0.28171	3.1	0.60878	0.00	5.44	0.14	3.20	46.27	320.00	0.46	0.00	0.000	0.000	0.609
426	17.00	16.90	0.28681	3.1	0.61838	0.00	5.44	0.14	3.20	46.38	320.00	0.46	0.00	0.000	0.000	0.618
427	16.90	16.80	0.29191	3.0	0.62797	0.00	5.45	0.15	3.20	46.48	320.00	0.46	0.00	0.000	0.000	0.628
428	16.80	16.70	0.29884	3.6	0.64096	0.00	5.45	0.15	3.20	46.62	320.00	0.47	0.00	0.000	0.000	0.641
429	16.70	16.60	0.30394	3.5	0.65049	0.00	5.45	0.15	3.20	46.73	320.00	0.47	0.00	0.000	0.000	0.650
430	16.60	16.50	0.30905	3.4	0.66001	0.00	5.45	0.15	3.20	46.82	320.00	0.47	0.00	0.000	0.000	0.660
431	16.50	16.40	0.31415	3.4	0.66950	0.00	5.45	0.15	3.20	46.92	320.00	0.47	0.00	0.000	0.000	0.670
432	16.40	16.30	0.31925	3.3	0.67898	0.00	5.45	0.15	3.20	47.02	320.00	0.47	0.00	0.000	0.000	0.679
433	16.30	16.20	0.32435	3.3	0.68843	0.00	5.46	0.15	3.20	47.11	320.00	0.47	0.00	0.000	0.000	0.688
434	16.20	16.10	0.32945	3.2	0.69787	0.00	5.46	0.15	3.20	47.21	320.00	0.47	0.00	0.000	0.000	0.698
435	16.10	16.00	0.33456	3.2	0.70729	0.00	5.46	0.15	3.20	47.30	320.00	0.47	0.00	0.000	0.000	0.707
436	16.00	15.90	0.33966	3.1	0.71669	0.00	5.46	0.15	3.20	47.39	320.00	0.47	0.00	0.000	0.000	0.717
437	15.90	15.80	0.34476	3.1	0.72607	0.00	5.46	0.15	3.20	47.48	320.00	0.47	0.00	0.000	0.000	0.726
438	15.80	15.70	0.34986	3.0	0.73543	0.00	5.46	0.15	3.20	47.57	320.00	0.48	0.00	0.000	0.000	0.735
439	15.70	15.60	0.35496	3.0	0.74478	0.00	5.47	0.15	3.20	47.66	320.00	0.48	0.00	0.000	0.000	0.745
440	15.60	15.50	0.36007	3.0	0.75411	0.00	5.47	0.15	3.20	47.75	320.00	0.48	0.00	0.000	0.000	0.754
441	15.50	15.40	0.36517	2.9	0.76342	0.00	5.47	0.15	3.20	47.83	320.00	0.48	0.00	0.000	0.000	0.763
442	15.40	15.30	0.37027	2.9	0.77272	0.00	5.47	0.15	3.20	47.92	320.00	0.48	0.00	0.000	0.000	0.773
443	15.30	15.20	0.37537	2.8	0.78200	0.00	5.47	0.15	3.20	48.00	320.00	0.48	0.00	0.000	0.000	0.782
444	15.20	15.10	0.38047	2.8	0.79126	0.00	5.47	0.15	3.20	48.08	320.00	0.48	0.00	0.000	0.000	0.791
445	15.10	15.00	0.38558	2.8	0.80051	0.00	5.47	0.15	3.20	48.17	320.00	0.48	0.00	0.000	0.000	0.801

446	15.00	14.90	0.39068	2.7	0.80974	0.00	5.48	0.15	3.20	48.25	320.00	0.48	0.00	0.000	0.000	0.810
447	14.90	14.80	0.39578	2.7	0.81896	0.00	5.48	0.15	3.20	48.33	320.00	0.48	0.00	0.000	0.000	0.819
448	14.80	14.70	0.40088	2.7	0.82816	0.00	5.48	0.15	3.20	48.41	320.00	0.48	0.00	0.000	0.000	0.828
449	14.70	14.60	0.40598	2.6	0.83734	0.00	5.48	0.15	3.20	48.48	320.00	0.48	0.00	0.000	0.000	0.837
450	14.60	14.50	0.41109	2.6	0.84652	0.00	5.48	0.15	3.20	48.56	320.00	0.49	0.00	0.000	0.000	0.847
451	14.50	14.40	0.41619	2.6	0.85567	0.00	5.48	0.15	3.20	48.64	320.00	0.49	0.00	0.000	0.000	0.856
452	14.40	14.30	0.42312	2.9	0.86809	0.00	5.48	0.15	3.20	48.74	320.00	0.49	0.00	0.000	0.000	0.868
453	14.30	14.20	0.42822	2.9	0.87722	0.00	5.49	0.15	3.20	48.82	320.00	0.49	0.00	0.000	0.000	0.877
454	14.20	14.10	0.43332	2.9	0.88633	0.00	5.49	0.15	3.20	48.89	320.00	0.49	0.00	0.000	0.000	0.886
455	14.10	14.00	0.43843	2.8	0.89542	0.00	5.49	0.15	3.20	48.96	320.00	0.49	0.00	0.000	0.000	0.895
456	14.00	13.90	0.44370	2.8	0.90481	0.00	5.49	0.15	3.20	49.04	320.00	0.49	0.00	0.000	0.000	0.905
457	13.90	13.80	0.44880	2.8	0.91388	0.00	5.49	0.15	3.20	49.11	320.00	0.49	0.00	0.000	0.000	0.914
458	13.80	13.70	0.45390	2.8	0.92293	0.00	5.49	0.15	3.20	49.18	320.00	0.49	0.00	0.000	0.000	0.923
459	13.70	13.60	0.45900	2.8	0.93198	0.00	5.49	0.15	3.20	49.25	320.00	0.49	0.00	0.000	0.000	0.932
460	13.60	13.50	0.46411	2.7	0.94101	0.00	5.49	0.15	3.20	49.32	320.00	0.49	0.00	0.000	0.000	0.941
461	13.50	13.40	0.46921	2.7	0.95002	0.00	5.50	0.15	3.20	49.39	320.00	0.49	0.00	0.000	0.000	0.950
462	13.40	13.30	0.47431	2.7	0.95903	0.00	5.50	0.15	3.20	49.46	320.00	0.49	0.00	0.000	0.000	0.959
463	13.30	13.20	0.47941	2.6	0.96802	0.00	5.50	0.15	3.20	49.53	320.00	0.50	0.00	0.000	0.000	0.968
464	13.20	13.10	0.48452	2.6	0.97700	0.00	5.50	0.15	3.20	49.59	320.00	0.50	0.00	0.000	0.000	0.977
465	13.10	13.00	0.48962	2.6	0.98597	0.00	5.50	0.16	3.20	49.66	320.00	0.50	0.00	0.000	0.000	0.986
466	13.00	12.90	0.49472	2.6	0.99492	0.00	5.50	0.16	3.20	49.72	320.00	0.50	0.00	0.000	0.000	0.995
467	12.90	12.80	0.49982	2.5	1.00387	0.00	5.50	0.16	3.20	49.79	320.00	0.50	0.00	0.000	0.000	1.004
468	12.80	12.70	0.50492	2.5	1.01280	0.00	5.50	0.16	3.20	49.85	320.00	0.50	0.00	0.000	0.000	1.013
469	12.70	12.60	0.51003	2.5	1.02172	0.00	5.51	0.16	3.20	49.92	320.00	0.50	0.00	0.000	0.000	1.022
470	12.60	12.50	0.51513	2.5	1.03063	0.00	5.51	0.16	3.20	49.98	320.00	0.50	0.00	0.000	0.000	1.031
471	12.50	12.40	0.52023	2.4	1.03953	0.00	5.51	0.16	3.20	50.04	320.00	0.50	0.00	0.000	0.000	1.040
472	12.40	12.30	0.52533	2.4	1.04842	0.00	5.51	0.16	3.20	50.11	320.00	0.50	0.00	0.000	0.000	1.048
473	12.30	12.20	0.53043	2.4	1.05730	0.00	5.51	0.16	3.20	50.17	320.00	0.50	0.00	0.000	0.000	1.057
474	12.20	12.10	0.53554	2.4	1.06616	0.00	5.51	0.16	3.20	50.23	320.00	0.50	0.00	0.000	0.000	1.066
475	12.10	12.00	0.54064	2.3	1.07502	0.00	5.51	0.16	3.20	50.29	320.00	0.50	0.00	0.000	0.000	1.075
476	12.00	11.90	0.54574	2.3	1.08386	0.00	5.51	0.16	3.20	50.35	320.00	0.50	0.00	0.000	0.000	1.084
477	11.90	11.80	0.55084	2.3	1.09269	0.00	5.51	0.16	3.20	50.41	320.00	0.50	0.00	0.000	0.000	1.093
478	11.80	11.70	0.55594	2.3	1.10152	0.00	5.52	0.16	3.20	50.47	320.00	0.50	0.00	0.000	0.000	1.102
479	11.70	11.60	0.56105	2.3	1.11033	0.00	5.52	0.16	3.20	50.53	320.00	0.51	0.00	0.000	0.000	1.110
480	11.60	11.50	0.56615	2.2	1.11913	0.00	5.52	0.16	3.20	50.59	320.00	0.51	0.00	0.000	0.000	1.119
481	11.50	11.40	0.57125	2.2	1.12793	0.00	5.52	0.16	3.20	50.65	320.00	0.51	0.00	0.000	0.000	1.128
482	11.40	11.30	0.57635	2.2	1.13671	0.00	5.52	0.16	3.20	50.70	320.00	0.51	0.00	0.000	0.000	1.137
483	11.30	11.20	0.58145	2.2	1.14548	0.00	5.52	0.16	3.20	50.76	320.00	0.51	0.00	0.000	0.000	1.145
484	11.20	11.10	0.58656	2.2	1.15424	0.00	5.52	0.16	3.20	50.82	320.00	0.51	0.00	0.000	0.000	1.154
485	11.10	11.00	0.59166	2.1	1.16300	0.00	5.52	0.16	3.20	50.87	320.00	0.51	0.00	0.000	0.000	1.163
486	11.00	10.90	0.59676	2.1	1.17174	0.00	5.52	0.16	3.20	50.93	320.00	0.51	0.00	0.000	0.000	1.172
TOT						0.19				4603.17	31360.00					
AVG					0.6029			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	7.55	12.04	0.05	0.10	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	0.10	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	0.10	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	0.10	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	0.10	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	0.10	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	0.10	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	0.10	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	0.10	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	0.10	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	0.10	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	0.10	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	0.38	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	0.09	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	5.92	12.08	0.00	12.34	0.00	1.47	0.31	0.36	2.14	1.49	2.16	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	6.03	12.96	0.00	13.24	0.00	1.44	0.30	0.36	2.11	1.46	2.13	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	6.13	13.76	0.00	14.06	0.00	1.42	0.30	0.37	2.09	1.45	2.11	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	6.21	14.48	0.00	14.81	0.00	1.40	0.30	0.37	2.07	1.43	2.10	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	6.27	15.32	0.00	15.67	0.00	1.40	0.33	0.37	2.10	1.42	2.13	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	6.34	15.92	0.00	16.29	0.00	1.38	0.33	0.37	2.08	1.41	2.11	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	6.39	16.47	0.00	16.86	0.00	1.37	0.33	0.37	2.07	1.40	2.10	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	6.44	16.97	0.00	17.38	0.00	1.35	0.33	0.37	2.05	1.38	2.08	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	6.49	17.44	0.00	17.88	0.00	1.34	0.33	0.37	2.04	1.37	2.07	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	6.53	17.88	0.00	18.33	0.00	1.33	0.32	0.37	2.02	1.36	2.06	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	6.56	18.28	0.00	18.76	0.00	1.31	0.32	0.37	2.01	1.35	2.05	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	6.60	18.66	0.00	19.16	0.00	1.30	0.32	0.37	2.00	1.34	2.04	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	6.62	19.02	0.00	19.54	0.00	1.29	0.32	0.37	1.99	1.34	2.03	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	6.65	19.35	0.00	19.89	0.00	1.29	0.32	0.37	1.98	1.33	2.02	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	6.67	19.66	0.00	20.22	0.00	1.28	0.32	0.37	1.97	1.32	2.01	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	6.70	19.95	0.00	20.54	0.00	1.27	0.32	0.37	1.96	1.32	2.00	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	6.72	20.23	0.00	20.84	0.00	1.26	0.31	0.37	1.95	1.31	2.00	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	6.73	20.49	0.00	21.12	0.00	1.25	0.31	0.37	1.94	1.30	1.99	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	6.75	20.74	0.00	21.39	0.00	1.25	0.31	0.37	1.93	1.30	1.98	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	6.76	20.97	0.00	21.64	0.00	1.24	0.31	0.37	1.93	1.29	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	6.78	21.19	0.00	21.89	0.00	1.23	0.31	0.37	1.92	1.29	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	6.79	21.40	0.00	22.12	0.00	1.23	0.31	0.37	1.91	1.29	1.97	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	6.80	21.61	0.00	22.34	0.00	1.22	0.31	0.37	1.91	1.28	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	6.81	21.80	0.00	22.55	0.00	1.22	0.31	0.37	1.90	1.28	1.96	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	6.82	21.98	0.00	22.76	0.00	1.21	0.31	0.37	1.89	1.27	1.96	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	6.83	22.15	0.00	22.95	0.00	1.21	0.31	0.37	1.89	1.27	1.95	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	6.84	22.32	0.00	23.14	0.00	1.20	0.31	0.37	1.88	1.27	1.95	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	6.84	22.48	0.00	23.32	0.00	1.20	0.31	0.37	1.88	1.27	1.94	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	6.85	22.63	0.00	23.49	0.00	1.19	0.31	0.37	1.87	1.26	1.94	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	6.86	22.77	0.00	23.66	0.00	1.19	0.30	0.37	1.87	1.26	1.94	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	6.86	22.91	0.00	23.82	0.00	1.19	0.30	0.37	1.86	1.26	1.94	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	23.05	0.00	23.98	0.00	1.18	0.30	0.37	1.86	1.26	1.93	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	23.18	0.00	24.13	0.00	1.18	0.30	0.37	1.86	1.25	1.93	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	6.88	23.30	0.00	24.27	0.00	1.18	0.30	0.37	1.85	1.25	1.93	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	23.42	0.00	24.41	0.00	1.17	0.30	0.37	1.85	1.25	1.93	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	23.53	0.00	24.55	0.00	1.17	0.30	0.37	1.84	1.25	1.92	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	6.89	23.64	0.00	24.68	0.00	1.17	0.30	0.37	1.84	1.25	1.92	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	6.89	23.75	0.00	24.81	0.00	1.16	0.30	0.37	1.84	1.25	1.92	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	6.89	23.85	0.00	24.93	0.00	1.16	0.30	0.37	1.83	1.25	1.92	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	6.87	24.10	0.00	25.20	0.00	1.17	0.34	0.38	1.90	1.26	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	6.88	24.19	0.00	25.32	0.00	1.17	0.34	0.38	1.89	1.26	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	6.88	24.28	0.00	25.43	0.00	1.17	0.34	0.38	1.89	1.26	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	6.88	24.37	0.00	25.53	0.00	1.16	0.34	0.38	1.88	1.26	1.98	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	6.89	24.45	0.00	25.64	0.00	1.16	0.34	0.38	1.88	1.26	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	6.89	24.53	0.00	25.74	0.00	1.16	0.34	0.38	1.88	1.25	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	6.89	24.61	0.00	25.84	0.00	1.16	0.33	0.38	1.87	1.25	1.97	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	6.89	24.69	0.00	25.94	0.00	1.15	0.33	0.38	1.87	1.25	1.97	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	6.89	24.76	0.00	26.04	0.00	1.15	0.33	0.38	1.87	1.25	1.97	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	6.90	24.83	0.00	26.13	0.00	1.15	0.33	0.38	1.86	1.25	1.97	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	6.90	24.90	0.00	26.22	0.00	1.15	0.33	0.38	1.86	1.25	1.96	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	6.90	24.97	0.00	26.31	0.00	1.14	0.33	0.38	1.86	1.25	1.96	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	6.90	25.04	0.00	26.40	0.00	1.14	0.33	0.38	1.85	1.25	1.96	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	6.90	25.10	0.00	26.48	0.00	1.14	0.33	0.38	1.85	1.25	1.96	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	6.90	25.16	0.00	26.56	0.00	1.14	0.33	0.38	1.85	1.25	1.96	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	6.90	25.22	0.00	26.65	0.00	1.14	0.33	0.38	1.85	1.25	1.96	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	6.90	25.28	0.00	26.73	0.00	1.13	0.33	0.38	1.84	1.25	1.96	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	6.90	25.34	0.00	26.80	0.00	1.13	0.33	0.38	1.84	1.25	1.96	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	6.90	25.39	0.00	26.88	0.00	1.13	0.33	0.38	1.84	1.25	1.96	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	6.90	25.45	0.00	26.96	0.00	1.13	0.32	0.38	1.83	1.25	1.95	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	6.90	25.50	0.00	27.03	0.00	1.13	0.32	0.38	1.83	1.25	1.95	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	6.90	25.55	0.00	27.10	0.00	1.13	0.32	0.38	1.83	1.25	1.95	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	6.90	25.60	0.00	27.18	0.00	1.12	0.32	0.38	1.83	1.25	1.95	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	6.90	25.65	0.00	27.25	0.00	1.12	0.32	0.38	1.83	1.25	1.95	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	6.89	25.79	0.00	27.41	0.00	1.13	0.35	0.39	1.87	1.26	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	6.89	25.84	0.00	27.48	0.00	1.13	0.35	0.39	1.87	1.26	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	6.89	25.88	0.00	27.54	0.00	1.13	0.35	0.39	1.86	1.26	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	6.89	25.93	0.00	27.61	0.00	1.13	0.35	0.39	1.86	1.26	2.00	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	6.89	25.96	0.00	27.66	0.00	1.13	0.35	0.39	1.86	1.26	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	6.89	26.00	0.00	27.72	0.00	1.12	0.35	0.39	1.86	1.26	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	6.89	26.04	0.00	27.79	0.00	1.12	0.34	0.39	1.85	1.26	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	6.89	26.08	0.00	27.85	0.00	1.12	0.34	0.39	1.85	1.26	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	6.89	26.12	0.00	27.91	0.00	1.12	0.34	0.39	1.85	1.26	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	6.89	26.15	0.00	27.96	0.00	1.12	0.34	0.39	1.85	1.26	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	6.89	26.19	0.00	28.02	0.00	1.12	0.34	0.39	1.85	1.26	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	6.89	26.23	0.00	28.08	0.00	1.12	0.34	0.39	1.84	1.26	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	6.89	26.26	0.00	28.14	0.00	1.11	0.34	0.39	1.84	1.26	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	6.89	26.30	0.00	28.19	0.00	1.11	0.34	0.39	1.84	1.26	1.99	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	6.89	26.33	0.00	28.25	0.00	1.11	0.34	0.39	1.84	1.26	1.99	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	6.88	26.36	0.00	28.30	0.00	1.11	0.34	0.39	1.83	1.27	1.99	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	6.88	26.39	0.00	28.36	0.00	1.11	0.34	0.39	1.83	1.27	1.99	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	6.88	26.43	0.00	28.41	0.00	1.11	0.34	0.39	1.83	1.27	1.99	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	6.88	26.46	0.00	28.46	0.00	1.11	0.34	0.39	1.83	1.27	1.99	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	6.88	26.49	0.00	28.51	0.00	1.11	0.34	0.39	1.83	1.27	1.99	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	6.88	26.52	0.00	28.56	0.00	1.11	0.33	0.39	1.83	1.27	1.99	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	6.88	26.55	0.00	28.62	0.00	1.10	0.33	0.38	1.82	1.27	1.99	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	6.88	26.57	0.00	28.67	0.00	1.10	0.33	0.38	1.82	1.27	1.99	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	6.88	26.60	0.00	28.72	0.00	1.10	0.33	0.38	1.82	1.27	1.99	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	6.88	26.63	0.00	28.76	0.00	1.10	0.33	0.38	1.82	1.27	1.99	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	6.88	26.66	0.00	28.81	0.00	1.10	0.33	0.38	1.82	1.27	1.99	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	6.88	26.68	0.00	28.86	0.00	1.10	0.33	0.38	1.82	1.27	1.99	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	6.88	26.71	0.00	28.91	0.00	1.10	0.33	0.38	1.81	1.27	1.99	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	6.88	26.73	0.00	28.96	0.00	1.10	0.33	0.38	1.81	1.27	1.99	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	6.88	26.76	0.00	29.00	0.00	1.10	0.33	0.38	1.81	1.28	1.99	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	6.87	26.78	0.00	29.05	0.00	1.10	0.33	0.38	1.81	1.28	1.99	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	6.87	26.81	0.00	29.09	0.00	1.10	0.33	0.38	1.81	1.28	1.99	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	6.87	26.83	0.00	29.14	0.00	1.09	0.33	0.38	1.81	1.28	1.99	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	6.87	26.86	0.00	29.18	0.00	1.09	0.33	0.38	1.80	1.28	1.99	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	6.60	26.24	0.00	28.59	0.00	1.09	0.32	0.37	1.77	1.27	1.96	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
REACH NO. 8 Pontchatoula (Arnold to YWR)

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration 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	0.59676	33.90	0.00	1.00	0.00	6.60	26.24	0.00	28.59	0.00	1.09	0.32	0.37	0.00	22.00	0.00	0.00
561	TRIB	0.05724	33.90	0.00	1.00	0.00	6.39	17.16	0.00	19.51	0.00	0.93	0.14	0.17	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	0.00234	29.80	0.00	0.00	0.00	2.30	74.10	0.00	74.10	0.00	5.40	10.74	2.00	0.00	0.00	0.00	0.00
584	WSTLD	0.00129	29.80	0.00	0.00	0.00	2.00	28.80	0.00	28.80	0.00	2.10	4.17	2.00	0.00	0.00	0.00	0.00
603	WSTLD	0.08000	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 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
561	10.90	10.80	0.65400	2.0	0.07163	0.02	5.54	0.50	18.29	913.01	1829.00	9.13	64.01	0.000	25.000	0.072
562	10.80	10.70	0.65400	2.0	0.07163	0.02	5.56	0.50	18.29	913.01	1829.00	9.13	128.03	0.001	25.000	0.072
563	10.70	10.60	0.65400	2.0	0.07163	0.02	5.57	0.50	18.29	913.01	1829.00	9.13	192.04	0.001	25.000	0.072
564	10.60	10.50	0.65401	2.0	0.07163	0.02	5.59	0.50	18.29	913.01	1829.00	9.13	256.06	0.001	25.000	0.072
565	10.50	10.40	0.65401	2.0	0.07163	0.02	5.60	0.50	18.29	913.01	1829.00	9.13	320.08	0.002	25.000	0.072
566	10.40	10.30	0.65635	2.4	0.07186	0.02	5.62	0.50	18.29	913.42	1829.00	9.13	384.09	0.002	25.000	0.072
567	10.30	10.20	0.65635	2.4	0.07186	0.02	5.64	0.50	18.29	913.42	1829.00	9.13	448.11	0.002	25.000	0.072
568	10.20	10.10	0.65635	2.4	0.07186	0.02	5.65	0.50	18.29	913.42	1829.00	9.13	512.12	0.003	25.000	0.072
569	10.10	10.00	0.65635	2.4	0.07186	0.02	5.67	0.50	18.29	913.42	1829.00	9.13	576.14	0.003	25.000	0.072
570	10.00	9.90	0.65635	2.4	0.07186	0.02	5.68	0.50	18.29	913.42	1829.00	9.13	640.15	0.003	25.000	0.072
571	9.90	9.80	0.65635	2.4	0.07186	0.02	5.70	0.50	18.29	913.42	1829.00	9.13	704.17	0.004	25.000	0.072
572	9.80	9.70	0.65635	2.4	0.07186	0.02	5.72	0.50	18.29	913.42	1829.00	9.13	768.18	0.004	25.000	0.072
573	9.70	9.60	0.65635	2.4	0.07186	0.02	5.73	0.50	18.29	913.42	1829.00	9.13	832.20	0.004	25.000	0.072
574	9.60	9.50	0.65635	2.4	0.07186	0.02	5.75	0.50	18.29	913.42	1829.00	9.13	896.21	0.005	25.000	0.072
575	9.50	9.40	0.65635	2.4	0.07186	0.02	5.77	0.50	18.29	913.42	1829.00	9.13	960.23	0.005	25.000	0.072
576	9.40	9.30	0.65635	2.4	0.07186	0.02	5.78	0.50	18.29	913.42	1829.00	9.13	1024.24	0.005	25.000	0.072
577	9.30	9.20	0.65635	2.4	0.07186	0.02	5.80	0.50	18.29	913.42	1829.00	9.13	1088.26	0.006	25.000	0.072
578	9.20	9.10	0.65635	2.4	0.07186	0.02	5.81	0.50	18.29	913.42	1829.00	9.13	1152.27	0.006	25.000	0.072
579	9.10	9.00	0.65635	2.4	0.07186	0.02	5.83	0.50	18.29	913.42	1829.00	9.13	1216.29	0.006	25.000	0.072
580	9.00	8.90	0.65635	2.4	0.07186	0.02	5.85	0.50	18.29	913.42	1829.00	9.13	1280.30	0.006	25.000	0.072
581	8.90	8.80	0.65635	2.4	0.07186	0.02	5.86	0.50	18.29	913.42	1829.00	9.13	1344.32	0.007	25.000	0.072
582	8.80	8.70	0.65635	2.4	0.07186	0.02	5.88	0.50	18.29	913.42	1829.00	9.13	1408.33	0.007	25.000	0.072
583	8.70	8.60	0.65635	2.4	0.07186	0.02	5.89	0.50	18.29	913.42	1829.00	9.13	1472.35	0.007	25.000	0.072
584	8.60	8.50	0.65764	2.6	0.07198	0.02	5.91	0.50	18.29	913.65	1829.00	9.14	1536.36	0.008	25.000	0.072
585	8.50	8.40	0.65764	2.6	0.07198	0.02	5.93	0.50	18.29	913.65	1829.00	9.14	1600.38	0.008	25.000	0.072
586	8.40	8.30	0.65764	2.6	0.07198	0.02	5.94	0.50	18.29	913.65	1829.00	9.14	1664.39	0.008	25.000	0.072
587	8.30	8.20	0.65764	2.6	0.07198	0.02	5.96	0.50	18.29	913.65	1829.00	9.14	1728.41	0.009	25.000	0.072
588	8.20	8.10	0.65764	2.6	0.07198	0.02	5.97	0.50	18.29	913.65	1829.00	9.14	1792.42	0.009	25.000	0.072
589	8.10	8.00	0.65764	2.6	0.07198	0.02	5.99	0.50	18.29	913.65	1829.00	9.14	1856.44	0.009	25.000	0.072
590	8.00	7.90	0.65764	2.6	0.07198	0.02	6.01	0.50	18.29	913.65	1829.00	9.14	1920.45	0.010	25.000	0.072
591	7.90	7.80	0.65764	2.6	0.07198	0.02	6.02	0.50	18.29	913.65	1829.00	9.14	1984.47	0.010	25.000	0.072
592	7.80	7.70	0.65764	2.6	0.07198	0.02	6.04	0.50	18.29	913.65	1829.00	9.14	2048.48	0.010	25.000	0.072
593	7.70	7.60	0.65764	2.6	0.07198	0.02	6.05	0.50	18.29	913.65	1829.00	9.14	2112.50	0.011	25.000	0.072
594	7.60	7.50	0.65764	2.6	0.07198	0.02	6.07	0.50	18.29	913.65	1829.00	9.14	2176.51	0.011	25.000	0.072
595	7.50	7.40	0.65764	2.6	0.07198	0.02	6.09	0.50	18.29	913.65	1829.00	9.14	2240.52	0.011	25.000	0.072
596	7.40	7.30	0.65764	2.6	0.07198	0.02	6.10	0.50	18.29	913.65	1829.00	9.14	2304.54	0.012	25.000	0.072
597	7.30	7.20	0.65764	2.6	0.07198	0.02	6.12	0.50	18.29	913.65	1829.00	9.14	2368.55	0.012	25.000	0.072
598	7.20	7.10	0.65764	2.6	0.07198	0.02	6.14	0.50	18.29	913.65	1829.00	9.14	2432.57	0.012	25.000	0.072
599	7.10	7.00	0.65764	2.6	0.07198	0.02	6.15	0.50	18.29	913.65	1829.00	9.14	2496.58	0.013	25.000	0.072
600	7.00	6.90	0.65764	2.6	0.07198	0.02	6.17	0.50	18.29	913.65	1829.00	9.14	2560.60	0.013	25.000	0.072
601	6.90	6.80	0.65764	2.6	0.07198	0.02	6.18	0.50	18.29	913.65	1829.00	9.14	2624.61	0.013	25.000	0.072
602	6.80	6.70	0.65764	2.6	0.07198	0.02	6.20	0.50	18.29	913.65	1829.00	9.14	2688.63	0.014	25.000	0.072
603	6.70	6.60	0.73764	13.1	0.07956	0.01	6.21	0.51	18.29	927.15	1829.00	9.27	2752.64	0.014	25.000	0.080
TOT						0.69				39293.20	78647.01					
AVG					0.0720			0.50	18.29			9.14				

********** 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
561	10.800	7.09	1.80	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	1.80	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	1.79	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	1.79	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	1.79	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	1.79	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	1.78	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	1.78	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	1.78	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	1.78	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	1.78	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	1.77	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	1.77	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	1.77	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	1.77	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	1.76	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	1.76	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	1.76	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	1.76	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	1.75	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	1.75	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	1.75	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	1.75	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	1.74	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	1.74	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	1.74	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	1.74	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	1.73	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	1.73	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	1.73	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	1.73	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	1.73	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	1.72	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	1.72	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	1.72	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	1.72	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	1.71	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	1.71	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	1.71	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	1.71	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	1.70	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	1.70	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	1.68	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			1.40	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	6.46	25.91	0.00	28.25	0.00	1.08	0.31	0.37	1.76	1.27	1.94	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	6.38	25.88	0.00	28.22	0.00	1.08	0.31	0.37	1.76	1.27	1.95	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	6.30	25.86	0.00	28.19	0.00	1.08	0.31	0.37	1.76	1.27	1.95	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	6.22	25.85	0.00	28.17	0.00	1.09	0.32	0.37	1.77	1.27	1.95	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	6.15	25.84	0.00	28.15	0.00	1.09	0.32	0.37	1.78	1.27	1.96	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	6.08	25.84	0.00	28.15	0.00	1.09	0.33	0.37	1.79	1.27	1.97	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	6.01	25.80	0.00	28.10	0.00	1.09	0.32	0.37	1.78	1.27	1.97	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	5.95	25.77	0.00	28.06	0.00	1.09	0.32	0.37	1.78	1.27	1.96	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	5.88	25.73	0.00	28.01	0.00	1.09	0.32	0.37	1.78	1.27	1.96	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	5.83	25.69	0.00	27.97	0.00	1.09	0.32	0.37	1.78	1.27	1.96	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	5.77	25.66	0.00	27.92	0.00	1.09	0.31	0.37	1.77	1.27	1.95	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	5.71	25.62	0.00	27.88	0.00	1.09	0.31	0.37	1.77	1.27	1.95	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	5.66	25.58	0.00	27.84	0.00	1.09	0.31	0.37	1.77	1.27	1.95	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	5.61	25.55	0.00	27.79	0.00	1.09	0.31	0.37	1.77	1.27	1.95	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	5.56	25.51	0.00	27.75	0.00	1.09	0.31	0.37	1.76	1.27	1.94	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	5.51	25.47	0.00	27.70	0.00	1.09	0.30	0.37	1.76	1.27	1.94	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	5.47	25.44	0.00	27.66	0.00	1.09	0.30	0.37	1.76	1.27	1.94	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	5.42	25.40	0.00	27.62	0.00	1.09	0.30	0.37	1.76	1.27	1.94	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	5.38	25.36	0.00	27.57	0.00	1.09	0.30	0.37	1.76	1.26	1.93	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	5.34	25.32	0.00	27.52	0.00	1.09	0.30	0.37	1.76	1.26	1.93	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	5.30	25.29	0.00	27.48	0.00	1.09	0.30	0.37	1.75	1.26	1.93	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	5.26	25.25	0.00	27.43	0.00	1.09	0.30	0.37	1.75	1.26	1.93	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	5.23	25.20	0.00	27.38	0.00	1.09	0.29	0.37	1.75	1.26	1.93	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	5.19	25.16	0.00	27.33	0.00	1.09	0.29	0.37	1.75	1.26	1.93	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	5.16	25.11	0.00	27.28	0.00	1.09	0.29	0.37	1.75	1.26	1.92	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	5.13	25.06	0.00	27.22	0.00	1.09	0.29	0.37	1.75	1.26	1.92	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	5.10	25.01	0.00	27.16	0.00	1.09	0.29	0.37	1.75	1.26	1.92	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	5.07	24.94	0.00	27.09	0.00	1.09	0.29	0.37	1.75	1.26	1.92	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	5.05	24.87	0.00	27.01	0.00	1.09	0.28	0.37	1.74	1.26	1.91	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	5.02	24.79	0.00	26.92	0.00	1.09	0.28	0.37	1.74	1.26	1.91	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	5.00	24.70	0.00	26.82	0.00	1.09	0.28	0.37	1.74	1.26	1.91	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	4.98	24.59	0.00	26.70	0.00	1.09	0.27	0.37	1.74	1.26	1.91	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	4.96	24.46	0.00	26.56	0.00	1.09	0.27	0.37	1.74	1.26	1.91	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	4.95	24.29	0.00	26.39	0.00	1.10	0.27	0.38	1.74	1.26	1.91	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	4.93	24.09	0.00	26.18	0.00	1.10	0.26	0.38	1.74	1.27	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	4.92	23.84	0.00	25.93	0.00	1.10	0.26	0.38	1.74	1.27	1.91	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	4.91	23.53	0.00	25.61	0.00	1.11	0.25	0.38	1.74	1.27	1.91	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	4.91	23.14	0.00	25.21	0.00	1.11	0.24	0.39	1.74	1.28	1.91	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	4.91	22.65	0.00	24.71	0.00	1.12	0.23	0.40	1.75	1.28	1.91	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	4.92	22.02	0.00	24.07	0.00	1.13	0.22	0.40	1.75	1.29	1.92	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	4.93	21.22	0.00	23.26	0.00	1.14	0.21	0.42	1.76	1.30	1.93	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	4.95	20.19	0.00	22.23	0.00	1.16	0.19	0.43	1.77	1.32	1.94	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	4.99	18.89	0.00	20.92	0.00	1.18	0.16	0.45	1.79	1.34	1.95	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) Calibration 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	0.73764	30.50	0.00	1.00	0.00	4.99	18.89	0.00	20.92	0.00	1.18	0.16	0.45	0.00	19.00	0.00	0.00
613	WSTLD	0.00129	29.80	0.00	0.00	0.00	2.00	28.80	0.00	28.80	0.00	2.10	4.17	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	0.73764	13.1	0.00890	0.13	6.34	1.60	51.82	8289.21	5182.00	82.89	3115.38	0.002	35.000	0.009
605	6.50	6.40	0.73764	13.1	0.00890	0.13	6.47	1.60	51.82	8289.21	5182.00	82.89	3478.12	0.002	35.000	0.009
606	6.40	6.30	0.73764	13.1	0.00890	0.13	6.60	1.60	51.82	8289.21	5182.00	82.89	3840.86	0.002	35.000	0.009
607	6.30	6.20	0.73764	13.1	0.00890	0.13	6.73	1.60	51.82	8289.21	5182.00	82.89	4203.60	0.002	35.000	0.009
608	6.20	6.10	0.73764	13.1	0.00890	0.13	6.86	1.60	51.82	8289.21	5182.00	82.89	4566.34	0.003	35.000	0.009
609	6.10	6.00	0.73764	13.1	0.00890	0.13	6.99	1.60	51.82	8289.21	5182.00	82.89	4929.08	0.003	35.000	0.009
610	6.00	5.90	0.73764	13.1	0.00890	0.13	7.12	1.60	51.82	8289.21	5182.00	82.89	5291.82	0.003	35.000	0.009
611	5.90	5.80	0.73764	13.1	0.00890	0.13	7.25	1.60	51.82	8289.21	5182.00	82.89	5654.56	0.003	35.000	0.009
612	5.80	5.70	0.73764	13.1	0.00890	0.13	7.38	1.60	51.82	8289.21	5182.00	82.89	6017.30	0.003	35.000	0.009
613	5.70	5.60	0.73893	13.3	0.00891	0.13	7.51	1.60	51.82	8291.06	5182.00	82.91	6380.04	0.004	35.000	0.009
614	5.60	5.50	0.73893	13.3	0.00891	0.13	7.64	1.60	51.82	8291.06	5182.00	82.91	6742.78	0.004	35.000	0.009
615	5.50	5.40	0.73893	13.3	0.00891	0.13	7.77	1.60	51.82	8291.06	5182.00	82.91	7105.52	0.004	35.000	0.009
616	5.40	5.30	0.73893	13.3	0.00891	0.13	7.90	1.60	51.82	8291.06	5182.00	82.91	7468.26	0.004	35.000	0.009
617	5.30	5.20	0.73893	13.3	0.00891	0.13	8.03	1.60	51.82	8291.06	5182.00	82.91	7831.00	0.004	35.000	0.009
618	5.20	5.10	0.73893	13.3	0.00891	0.13	8.16	1.60	51.82	8291.06	5182.00	82.91	8193.74	0.005	35.000	0.009
619	5.10	5.00	0.73893	13.3	0.00891	0.13	8.29	1.60	51.82	8291.06	5182.00	82.91	8556.48	0.005	35.000	0.009
620	5.00	4.90	0.73893	13.3	0.00891	0.13	8.42	1.60	51.82	8291.06	5182.00	82.91	8919.22	0.005	35.000	0.009
621	4.90	4.80	0.73893	13.3	0.00891	0.13	8.55	1.60	51.82	8291.06	5182.00	82.91	9281.96	0.005	35.000	0.009
622	4.80	4.70	0.73893	13.3	0.00891	0.13	8.68	1.60	51.82	8291.06	5182.00	82.91	9644.71	0.005	35.000	0.009
623	4.70	4.60	0.73893	13.3	0.00891	0.13	8.81	1.60	51.82	8291.06	5182.00	82.91	10007.45	0.006	35.000	0.009
624	4.60	4.50	0.73893	13.3	0.00891	0.13	8.94	1.60	51.82	8291.06	5182.00	82.91	10370.19	0.006	35.000	0.009
625	4.50	4.40	0.73893	13.3	0.00891	0.13	9.07	1.60	51.82	8291.06	5182.00	82.91	10732.93	0.006	35.000	0.009
626	4.40	4.30	0.73893	13.3	0.00891	0.13	9.20	1.60	51.82	8291.06	5182.00	82.91	11095.67	0.006	35.000	0.009
627	4.30	4.20	0.73893	13.3	0.00891	0.13	9.33	1.60	51.82	8291.06	5182.00	82.91	11458.41	0.006	35.000	0.009
628	4.20	4.10	0.73893	13.3	0.00891	0.13	9.46	1.60	51.82	8291.06	5182.00	82.91	11821.15	0.007	35.000	0.009
629	4.10	4.00	0.73893	13.3	0.00891	0.13	9.59	1.60	51.82	8291.06	5182.00	82.91	12183.89	0.007	35.000	0.009
630	4.00	3.90	0.73893	13.3	0.00891	0.13	9.72	1.60	51.82	8291.06	5182.00	82.91	12546.63	0.007	35.000	0.009
631	3.90	3.80	0.73893	13.3	0.00891	0.13	9.85	1.60	51.82	8291.06	5182.00	82.91	12909.37	0.007	35.000	0.010
632	3.80	3.70	0.73893	13.3	0.00891	0.13	9.98	1.60	51.82	8291.06	5182.00	82.91	13272.11	0.007	35.000	0.010
633	3.70	3.60	0.73893	13.3	0.00891	0.13	10.11	1.60	51.82	8291.06	5182.00	82.91	13634.85	0.008	35.000	0.010
634	3.60	3.50	0.73893	13.3	0.00891	0.13	10.24	1.60	51.82	8291.06	5182.00	82.91	13997.59	0.008	35.000	0.010
635	3.50	3.40	0.73893	13.3	0.00891	0.13	10.37	1.60	51.82	8291.06	5182.00	82.91	14360.33	0.008	35.000	0.010
636	3.40	3.30	0.73893	13.3	0.00891	0.13	10.50	1.60	51.82	8291.06	5182.00	82.91	14723.07	0.008	35.000	0.010
637	3.30	3.20	0.73893	13.3	0.00891	0.13	10.63	1.60	51.82	8291.06	5182.00	82.91	15085.81	0.008	35.000	0.010
638	3.20	3.10	0.73893	13.3	0.00891	0.13	10.76	1.60	51.82	8291.06	5182.00	82.91	15448.55	0.009	35.000	0.011
639	3.10	3.00	0.73893	13.3	0.00891	0.13	10.89	1.60	51.82	8291.06	5182.00	82.91	15811.29	0.009	35.000	0.011
640	3.00	2.90	0.73893	13.3	0.00891	0.13	11.02	1.60	51.82	8291.06	5182.00	82.91	16174.03	0.009	35.000	0.011
641	2.90	2.80	0.73893	13.3	0.00891	0.13	11.15	1.60	51.82	8291.06	5182.00	82.91	16536.77	0.009	35.000	0.011
642	2.80	2.70	0.73893	13.3	0.00891	0.13	11.28	1.60	51.82	8291.06	5182.00	82.91	16899.51	0.009	35.000	0.011
643	2.70	2.60	0.73893	13.3	0.00891	0.13	11.41	1.60	51.82	8291.06	5182.00	82.91	17262.25	0.010	35.000	0.011
644	2.60	2.50	0.73893	13.3	0.00891	0.13	11.54	1.60	51.82	8291.06	5182.00	82.91	17624.99	0.010	35.000	0.012
645	2.50	2.40	0.73893	13.3	0.00891	0.13	11.67	1.60	51.82	8291.06	5182.00	82.91	17987.73	0.010	35.000	0.012
646	2.40	2.30	0.73893	13.3	0.00891	0.13	11.80	1.60	51.82	8291.06	5182.00	82.91	18350.47	0.010	35.000	0.012
647	2.30	2.20	0.73893	13.3	0.00891	0.13	11.93	1.60	51.82	8291.06	5182.00	82.91	18713.21	0.010	35.000	0.012
648	2.20	2.10	0.73893	13.3	0.00891	0.13	12.06	1.60	51.82	8291.06	5182.00	82.91	19075.95	0.011	35.000	0.012
649	2.10	2.00	0.73893	13.3	0.00891	0.13	12.19	1.60	51.82	8291.06	5182.00	82.91	19438.69	0.011	35.000	0.012
650	2.00	1.90	0.73893	13.3	0.00891	0.13	12.32	1.60	51.82	8291.06	5182.00	82.91	19801.43	0.011	35.000	0.013
651	1.90	1.80	0.73893	13.3	0.00891	0.13	12.45	1.60	51.82	8291.06	5182.00	82.91	20164.17	0.011	35.000	0.013
652	1.80	1.70	0.73893	13.3	0.00891	0.13	12.58	1.60	51.82	8291.06	5182.00	82.91	20526.91	0.011	35.000	0.013
653	1.70	1.60	0.73893	13.3	0.00891	0.13	12.71	1.60	51.82	8291.06	5182.00	82.91	20889.65	0.012	35.000	0.013
654	1.60	1.50	0.73893	13.3	0.00891	0.13	12.84	1.60	51.82	8291.06	5182.00	82.91	21252.39	0.012	35.000	0.013
655	1.50	1.40	0.73893	13.3	0.00891	0.13	12.97	1.60	51.82	8291.06	5182.00	82.91	21615.13	0.012	35.000	0.013
656	1.40	1.30	0.73893	13.3	0.00891	0.13	13.10	1.60	51.82	8291.06	5182.00	82.91	21977.87	0.012	35.000	0.014
657	1.30	1.20	0.73893	13.3	0.00891	0.13	13.23	1.60	51.82	8291.06	5182.00	82.91	22340.61	0.012	35.000	0.014
658	1.20	1.10	0.73893	13.3	0.00891	0.13	13.36	1.60	51.82	8291.06	5182.00	82.91	22703.35	0.013	35.000	0.014
659	1.10	1.00	0.73893	13.3	0.00891	0.13	13.49	1.60	51.82	8291.06	5182.00	82.91	23066.09	0.013	35.000	0.014
660	1.00	0.90	0.73893	13.3	0.00891	0.13	13.62	1.60	51.82	8291.06	5182.00	82.91	23428.83	0.013	35.000	0.014

661	0.90	0.80	0.73893	13.3	0.00891	0.13	13.75	1.60	51.82	8291.06	5182.00	82.91	23791.57	0.013	35.000	0.015
662	0.80	0.70	0.73893	13.3	0.00891	0.13	13.88	1.60	51.82	8291.06	5182.00	82.91	24154.31	0.013	35.000	0.015
663	0.70	0.60	0.73893	13.3	0.00891	0.13	14.01	1.60	51.82	8291.06	5182.00	82.91	24517.05	0.014	35.000	0.015
664	0.60	0.50	0.73893	13.3	0.00891	0.13	14.14	1.60	51.82	8291.06	5182.00	82.91	24879.79	0.014	35.000	0.015
665	0.50	0.40	0.73893	13.3	0.00891	0.13	14.27	1.60	51.82	8291.06	5182.00	82.91	25242.54	0.014	35.000	0.015
666	0.40	0.30	0.73893	13.3	0.00891	0.13	14.40	1.60	51.82	8291.06	5182.00	82.91	25605.28	0.014	35.000	0.015
667	0.30	0.20	0.73893	13.3	0.00891	0.13	14.53	1.60	51.82	8291.06	5182.00	82.91	25968.02	0.015	35.000	0.016
668	0.20	0.10	0.73893	13.3	0.00891	0.13	14.66	1.60	51.82	8291.06	5182.00	82.91	26330.76	0.015	35.000	0.016
669	0.10	0.00	0.73893	13.3	0.00891	0.13	14.79	1.60	51.82	8291.06	5182.00	82.91	26693.50	0.015	35.000	0.016
TOT						8.57				547193.50	342012.00					
AVG					0.0089			1.60	51.82			82.91				

********** 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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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	0.53	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			0.44	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	5.01	18.69	0.00	20.72	0.00	1.18	0.16	0.44	1.77	1.34	1.93	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	5.02	18.58	0.00	20.61	0.00	1.18	0.16	0.43	1.76	1.34	1.93	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	5.03	18.47	0.00	20.50	0.00	1.18	0.15	0.42	1.76	1.34	1.92	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	5.04	18.37	0.00	20.40	0.00	1.18	0.15	0.41	1.75	1.35	1.91	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	5.06	18.27	0.00	20.30	0.00	1.19	0.15	0.40	1.74	1.35	1.90	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	5.07	18.18	0.00	20.21	0.00	1.19	0.15	0.40	1.73	1.35	1.89	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	5.08	18.08	0.00	20.11	0.00	1.19	0.14	0.39	1.72	1.35	1.88	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	5.09	18.00	0.00	20.02	0.00	1.19	0.14	0.38	1.71	1.35	1.88	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	5.10	17.91	0.00	19.94	0.00	1.19	0.14	0.37	1.71	1.36	1.87	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	5.11	17.83	0.00	19.86	0.00	1.20	0.14	0.37	1.70	1.36	1.86	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	5.13	17.75	0.00	19.78	0.00	1.20	0.13	0.36	1.69	1.36	1.85	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	5.14	17.68	0.00	19.71	0.00	1.20	0.13	0.35	1.69	1.36	1.85	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	5.15	17.61	0.00	19.64	0.00	1.20	0.13	0.35	1.68	1.37	1.84	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	5.16	17.54	0.00	19.57	0.00	1.21	0.13	0.34	1.67	1.37	1.84	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	5.17	17.48	0.00	19.51	0.00	1.21	0.13	0.33	1.67	1.37	1.83	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	5.18	17.42	0.00	19.45	0.00	1.21	0.12	0.32	1.66	1.37	1.82	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	5.19	17.37	0.00	19.39	0.00	1.22	0.12	0.32	1.66	1.38	1.82	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	5.20	17.31	0.00	19.34	0.00	1.22	0.12	0.31	1.65	1.38	1.81	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	5.21	17.27	0.00	19.30	0.00	1.22	0.12	0.30	1.65	1.38	1.81	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	5.22	17.23	0.00	19.26	0.00	1.23	0.12	0.30	1.64	1.39	1.80	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	5.23	17.19	0.00	19.22	0.00	1.23	0.12	0.29	1.64	1.39	1.80	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	5.23	17.16	0.00	19.19	0.00	1.23	0.12	0.28	1.63	1.40	1.80	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	5.24	17.13	0.00	19.16	0.00	1.24	0.11	0.28	1.63	1.40	1.79	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	5.25	17.11	0.00	19.14	0.00	1.24	0.11	0.27	1.63	1.40	1.79	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	5.26	17.09	0.00	19.12	0.00	1.25	0.11	0.27	1.62	1.41	1.79	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	5.26	17.08	0.00	19.11	0.00	1.25	0.11	0.26	1.62	1.41	1.78	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	5.27	17.07	0.00	19.10	0.00	1.26	0.11	0.25	1.62	1.42	1.78	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	5.28	17.07	0.00	19.10	0.00	1.26	0.11	0.25	1.62	1.42	1.78	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	5.28	17.07	0.00	19.10	0.00	1.27	0.11	0.24	1.61	1.43	1.78	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	5.29	17.08	0.00	19.11	0.00	1.27	0.11	0.24	1.61	1.43	1.78	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	5.29	17.09	0.00	19.12	0.00	1.28	0.11	0.23	1.61	1.44	1.77	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	5.30	17.11	0.00	19.14	0.00	1.28	0.11	0.23	1.61	1.44	1.77	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	5.30	17.13	0.00	19.16	0.00	1.29	0.11	0.22	1.61	1.45	1.77	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	5.30	17.17	0.00	19.20	0.00	1.29	0.10	0.21	1.61	1.45	1.77	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	5.31	17.20	0.00	19.23	0.00	1.30	0.10	0.21	1.61	1.46	1.77	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	5.31	17.25	0.00	19.28	0.00	1.30	0.10	0.20	1.61	1.47	1.77	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	5.31	17.30	0.00	19.33	0.00	1.31	0.10	0.20	1.61	1.47	1.78	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	5.31	17.35	0.00	19.38	0.00	1.32	0.10	0.19	1.62	1.48	1.78	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	5.31	17.42	0.00	19.45	0.00	1.32	0.10	0.19	1.62	1.49	1.78	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	5.31	17.49	0.00	19.52	0.00	1.33	0.10	0.18	1.62	1.49	1.78	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	5.31	17.57	0.00	19.60	0.00	1.34	0.10	0.18	1.62	1.50	1.78	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	5.31	17.65	0.00	19.68	0.00	1.35	0.10	0.18	1.63	1.51	1.79	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	5.31	17.75	0.00	19.78	0.00	1.35	0.10	0.17	1.63	1.52	1.79	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	5.31	17.85	0.00	19.88	0.00	1.36	0.10	0.17	1.63	1.52	1.80	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	5.31	17.96	0.00	19.99	0.00	1.37	0.11	0.16	1.64	1.53	1.80	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	5.31	18.07	0.00	20.10	0.00	1.38	0.11	0.16	1.64	1.54	1.80	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	5.31	18.20	0.00	20.23	0.00	1.39	0.11	0.15	1.65	1.55	1.81	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	5.31	18.33	0.00	20.36	0.00	1.40	0.11	0.15	1.65	1.56	1.82	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	5.31	18.48	0.00	20.51	0.00	1.41	0.11	0.15	1.66	1.57	1.82	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	5.30	18.63	0.00	20.66	0.00	1.42	0.11	0.14	1.67	1.58	1.83	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	5.30	18.79	0.00	20.82	0.00	1.43	0.11	0.14	1.68	1.59	1.84	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	5.30	18.97	0.00	21.00	0.00	1.44	0.11	0.13	1.68	1.60	1.84	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	5.30	19.15	0.00	21.18	0.00	1.45	0.11	0.13	1.69	1.61	1.85	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	5.30	19.34	0.00	21.37	0.00	1.46	0.11	0.13	1.70	1.62	1.86	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	5.29	19.55	0.00	21.58	0.00	1.47	0.12	0.12	1.71	1.63	1.87	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	5.29	19.76	0.00	21.79	0.00	1.48	0.12	0.12	1.72	1.64	1.88	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	5.29	19.99	0.00	22.02	0.00	1.50	0.12	0.12	1.73	1.66	1.89	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	5.29	20.23	0.00	22.26	0.00	1.51	0.12	0.11	1.74	1.67	1.90	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	5.29	20.48	0.00	22.51	0.00	1.52	0.12	0.11	1.75	1.68	1.92	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	5.29	20.74	0.00	22.77	0.00	1.53	0.13	0.11	1.77	1.70	1.93	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	5.28	21.02	0.00	23.05	0.00	1.55	0.13	0.10	1.78	1.71	1.94	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	5.29	21.31	0.00	23.34	0.00	1.56	0.13	0.10	1.79	1.72	1.96	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	5.29	21.61	0.00	23.64	0.00	1.58	0.14	0.10	1.81	1.74	1.97	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	5.29	21.93	0.00	23.96	0.00	1.59	0.14	0.09	1.82	1.75	1.98	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	5.29	22.26	0.00	24.29	0.00	1.61	0.14	0.09	1.84	1.77	2.00	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	5.29	22.61	0.00	24.64	0.00	1.62	0.15	0.09	1.86	1.78	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. Calibration 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	6.87	21.36	0.00	22.00	0.00	3.96	0.15	0.02	0.00	6.00	0.00	0.00
193	WSTLD	0.00369	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	0.00369	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 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	0.00652	56.6	0.04395	0.03	3.84	0.16	0.91	14.83	91.00	0.15	0.00	0.000	0.000	0.044
194	0.90	0.80	0.00652	56.6	0.04395	0.03	3.87	0.16	0.91	14.83	91.00	0.15	0.00	0.000	0.000	0.044
195	0.80	0.70	0.01021	72.3	0.06499	0.02	3.89	0.17	0.91	15.71	91.00	0.16	0.00	0.000	0.000	0.065
196	0.70	0.60	0.01021	72.3	0.06499	0.02	3.91	0.17	0.91	15.71	91.00	0.16	0.00	0.000	0.000	0.065
197	0.60	0.50	0.01021	72.3	0.06499	0.02	3.92	0.17	0.91	15.71	91.00	0.16	0.00	0.000	0.000	0.065
198	0.50	0.40	0.01021	72.3	0.06499	0.02	3.94	0.17	0.91	15.71	91.00	0.16	0.00	0.000	0.000	0.065
199	0.40	0.30	0.01021	72.3	0.06499	0.02	3.96	0.17	0.91	15.71	91.00	0.16	0.00	0.000	0.000	0.065
200	0.30	0.20	0.01021	72.3	0.06499	0.02	3.98	0.17	0.91	15.71	91.00	0.16	0.00	0.000	0.000	0.065
201	0.20	0.10	0.01021	72.3	0.06499	0.02	3.99	0.17	0.91	15.71	91.00	0.16	0.00	0.000	0.000	0.065
202	0.10	0.00	0.01021	72.3	0.06499	0.02	4.01	0.17	0.91	15.71	91.00	0.16	0.00	0.000	0.000	0.065
TOT						4.01				1088.80	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	9.53	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	9.53	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	11.09	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	11.09	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	11.10	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	11.10	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	11.10	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	11.10	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	11.10	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	11.10	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			6.90	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	7.06	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	7.19	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	7.28	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	7.34	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	7.44	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	6.35	17.92	0.00	18.14	0.00	3.88	0.14	0.05	4.07	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	6.58	17.87	0.00	18.07	0.00	3.88	0.14	0.05	4.07	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	6.22	19.67	0.00	19.87	0.00	3.09	1.28	0.76	5.14	3.11	5.16	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	6.40	19.62	0.00	19.82	0.00	3.09	1.27	0.77	5.14	3.11	5.15	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	6.54	19.58	0.00	19.77	0.00	3.09	1.27	0.78	5.13	3.11	5.15	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	6.67	19.53	0.00	19.71	0.00	3.09	1.26	0.78	5.13	3.10	5.15	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	6.77	19.48	0.00	19.66	0.00	3.09	1.25	0.79	5.13	3.10	5.14	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	6.86	19.43	0.00	19.60	0.00	3.09	1.24	0.80	5.13	3.10	5.14	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	6.93	19.38	0.00	19.55	0.00	3.09	1.23	0.80	5.13	3.10	5.14	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	6.99	19.33	0.00	19.49	0.00	3.09	1.23	0.81	5.12	3.10	5.14	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 Calibration 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	0.03247	25.80	0.00	0.00	0.00	3.30	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	6.00	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	0.00006	29.80	0.00	0.00	0.00	2.00	29.00	0.00	29.00	0.00	2.10	4.20	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	0.00181	29.80	0.00	0.00	0.00	2.60	29.00	0.00	29.00	0.00	2.10	4.21	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
280	10.90	10.80	0.03256	0.0	0.02172	0.05	0.05	0.39	3.87	149.95	387.00	1.50	0.00	0.000	0.000	0.022
281	10.80	10.70	0.03265	0.0	0.02177	0.05	0.11	0.39	3.87	150.00	387.00	1.50	0.00	0.000	0.000	0.022
282	10.70	10.60	0.03275	0.0	0.02182	0.05	0.16	0.39	3.87	150.05	387.00	1.50	0.00	0.000	0.000	0.022
283	10.60	10.50	0.03284	0.0	0.02188	0.05	0.21	0.39	3.87	150.11	387.00	1.50	0.00	0.000	0.000	0.022
284	10.50	10.40	0.03293	0.0	0.02193	0.05	0.27	0.39	3.87	150.16	387.00	1.50	0.00	0.000	0.000	0.022
285	10.40	10.30	0.03302	0.0	0.02198	0.05	0.32	0.39	3.87	150.21	387.00	1.50	0.00	0.000	0.000	0.022
286	10.30	10.20	0.03311	0.0	0.02204	0.05	0.37	0.39	3.87	150.27	387.00	1.50	0.00	0.000	0.000	0.022
287	10.20	10.10	0.03320	0.0	0.02209	0.05	0.42	0.39	3.87	150.32	387.00	1.50	0.00	0.000	0.000	0.022
288	10.10	10.00	0.03330	0.0	0.02214	0.05	0.48	0.39	3.87	150.37	387.00	1.50	0.00	0.000	0.000	0.022
289	10.00	9.90	0.03339	0.0	0.02220	0.05	0.53	0.39	3.87	150.43	387.00	1.50	0.00	0.000	0.000	0.022
290	9.90	9.80	0.03348	0.0	0.02225	0.05	0.58	0.39	3.87	150.48	387.00	1.50	0.00	0.000	0.000	0.022
291	9.80	9.70	0.03357	0.0	0.02230	0.05	0.63	0.39	3.87	150.53	387.00	1.51	0.00	0.000	0.000	0.022
292	9.70	9.60	0.03366	0.0	0.02235	0.05	0.68	0.39	3.87	150.58	387.00	1.51	0.00	0.000	0.000	0.022
293	9.60	9.50	0.03375	0.0	0.02241	0.05	0.73	0.39	3.87	150.64	387.00	1.51	0.00	0.000	0.000	0.022
294	9.50	9.40	0.03385	0.0	0.02246	0.05	0.79	0.39	3.87	150.69	387.00	1.51	0.00	0.000	0.000	0.022
295	9.40	9.30	0.03394	0.0	0.02251	0.05	0.84	0.39	3.87	150.74	387.00	1.51	0.00	0.000	0.000	0.023
296	9.30	9.20	0.03403	0.0	0.02257	0.05	0.89	0.39	3.87	150.79	387.00	1.51	0.00	0.000	0.000	0.023
297	9.20	9.10	0.03412	0.0	0.02262	0.05	0.94	0.39	3.87	150.84	387.00	1.51	0.00	0.000	0.000	0.023
298	9.10	9.00	0.03421	0.0	0.02267	0.05	0.99	0.39	3.87	150.90	387.00	1.51	0.00	0.000	0.000	0.023
299	9.00	8.90	0.03430	0.0	0.02273	0.05	1.04	0.39	3.87	150.95	387.00	1.51	0.00	0.000	0.000	0.023
300	8.90	8.80	0.03440	0.0	0.02278	0.05	1.09	0.39	3.87	151.00	387.00	1.51	0.00	0.000	0.000	0.023
301	8.80	8.70	0.03449	0.0	0.02283	0.05	1.14	0.39	3.87	151.05	387.00	1.51	0.00	0.000	0.000	0.023
302	8.70	8.60	0.03537	2.2	0.02334	0.05	1.19	0.39	3.87	151.54	387.00	1.52	0.00	0.000	0.000	0.023
303	8.60	8.50	0.03546	2.2	0.02339	0.05	1.24	0.39	3.87	151.59	387.00	1.52	0.00	0.000	0.000	0.023
304	8.50	8.40	0.03555	2.2	0.02345	0.05	1.29	0.39	3.87	151.64	387.00	1.52	0.00	0.000	0.000	0.023
305	8.40	8.30	0.03565	2.2	0.02350	0.05	1.34	0.39	3.87	151.69	387.00	1.52	0.00	0.000	0.000	0.023
306	8.30	8.20	0.03574	2.2	0.02355	0.05	1.39	0.39	3.87	151.74	387.00	1.52	0.00	0.000	0.000	0.024
307	8.20	8.10	0.03583	2.2	0.02360	0.05	1.44	0.39	3.87	151.79	387.00	1.52	0.00	0.000	0.000	0.024
308	8.10	8.00	0.03592	2.2	0.02366	0.05	1.49	0.39	3.87	151.84	387.00	1.52	0.00	0.000	0.000	0.024
309	8.00	7.90	0.03601	2.2	0.02371	0.05	1.54	0.39	3.87	151.89	387.00	1.52	0.00	0.000	0.000	0.024
310	7.90	7.80	0.03610	2.2	0.02376	0.05	1.59	0.39	3.87	151.94	387.00	1.52	0.00	0.000	0.000	0.024
311	7.80	7.70	0.03620	2.2	0.02382	0.05	1.63	0.39	3.87	151.99	387.00	1.52	0.00	0.000	0.000	0.024
312	7.70	7.60	0.03629	2.2	0.02387	0.05	1.68	0.39	3.87	152.03	387.00	1.52	0.00	0.000	0.000	0.024
313	7.60	7.50	0.03638	2.2	0.02392	0.05	1.73	0.39	3.87	152.08	387.00	1.52	0.00	0.000	0.000	0.024
314	7.50	7.40	0.03647	2.2	0.02397	0.05	1.78	0.39	3.87	152.13	387.00	1.52	0.00	0.000	0.000	0.024

315	7.40	7.30	0.03656	2.2	0.02403	0.05	1.83	0.39	3.87	152.18	387.00	1.52	0.00	0.000	0.000	0.024
316	7.30	7.20	0.03665	2.2	0.02408	0.05	1.88	0.39	3.87	152.23	387.00	1.52	0.00	0.000	0.000	0.024
317	7.20	7.10	0.03675	2.1	0.02413	0.05	1.92	0.39	3.87	152.28	387.00	1.52	0.00	0.000	0.000	0.024
318	7.10	7.00	0.03684	2.1	0.02418	0.05	1.97	0.39	3.87	152.33	387.00	1.52	0.00	0.000	0.000	0.024
319	7.00	6.90	0.03699	2.3	0.02427	0.05	2.02	0.39	3.87	152.41	387.00	1.52	0.00	0.000	0.000	0.024
320	6.90	6.80	0.03708	2.3	0.02432	0.05	2.07	0.39	3.87	152.46	387.00	1.52	0.00	0.000	0.000	0.024
321	6.80	6.70	0.03717	2.3	0.02438	0.05	2.11	0.39	3.87	152.50	387.00	1.53	0.00	0.000	0.000	0.024
322	6.70	6.60	0.03726	2.3	0.02443	0.05	2.16	0.39	3.87	152.55	387.00	1.53	0.00	0.000	0.000	0.024
323	6.60	6.50	0.03736	2.3	0.02448	0.05	2.21	0.39	3.87	152.60	387.00	1.53	0.00	0.000	0.000	0.024
324	6.50	6.40	0.03745	2.3	0.02453	0.05	2.26	0.39	3.87	152.65	387.00	1.53	0.00	0.000	0.000	0.025
325	6.40	6.30	0.03754	2.3	0.02459	0.05	2.30	0.39	3.87	152.70	387.00	1.53	0.00	0.000	0.000	0.025
326	6.30	6.20	0.03763	2.3	0.02464	0.05	2.35	0.39	3.87	152.74	387.00	1.53	0.00	0.000	0.000	0.025
327	6.20	6.10	0.03772	2.3	0.02469	0.05	2.40	0.39	3.87	152.79	387.00	1.53	0.00	0.000	0.000	0.025
328	6.10	6.00	0.03782	2.2	0.02474	0.05	2.44	0.39	3.87	152.84	387.00	1.53	0.00	0.000	0.000	0.025
329	6.00	5.90	0.03791	2.2	0.02479	0.05	2.49	0.40	3.87	152.89	387.00	1.53	0.00	0.000	0.000	0.025
330	5.90	5.80	0.03800	2.2	0.02485	0.05	2.54	0.40	3.87	152.93	387.00	1.53	0.00	0.000	0.000	0.025
331	5.80	5.70	0.03809	2.2	0.02490	0.05	2.58	0.40	3.87	152.98	387.00	1.53	0.00	0.000	0.000	0.025
332	5.70	5.60	0.03818	2.2	0.02495	0.05	2.63	0.40	3.87	153.03	387.00	1.53	0.00	0.000	0.000	0.025
333	5.60	5.50	0.03834	2.4	0.02504	0.05	2.68	0.40	3.87	153.11	387.00	1.53	0.00	0.000	0.000	0.025
334	5.50	5.40	0.03844	2.4	0.02510	0.05	2.72	0.40	3.87	153.16	387.00	1.53	0.00	0.000	0.000	0.025
335	5.40	5.30	0.03853	2.4	0.02515	0.05	2.77	0.40	3.87	153.20	387.00	1.53	0.00	0.000	0.000	0.025
336	5.30	5.20	0.03862	2.4	0.02520	0.05	2.81	0.40	3.87	153.25	387.00	1.53	0.00	0.000	0.000	0.025
337	5.20	5.10	0.03871	2.4	0.02525	0.05	2.86	0.40	3.87	153.30	387.00	1.53	0.00	0.000	0.000	0.025
338	5.10	5.00	0.03880	2.4	0.02530	0.05	2.91	0.40	3.87	153.34	387.00	1.53	0.00	0.000	0.000	0.025
339	5.00	4.90	0.03889	2.4	0.02536	0.05	2.95	0.40	3.87	153.39	387.00	1.53	0.00	0.000	0.000	0.025
340	4.90	4.80	0.03923	3.0	0.02555	0.05	3.00	0.40	3.87	153.55	387.00	1.54	0.00	0.000	0.000	0.026
341	4.80	4.70	0.03932	3.0	0.02560	0.05	3.04	0.40	3.87	153.60	387.00	1.54	0.00	0.000	0.000	0.026
342	4.70	4.60	0.03941	2.9	0.02565	0.05	3.09	0.40	3.87	153.65	387.00	1.54	0.00	0.000	0.000	0.026
343	4.60	4.50	0.03950	2.9	0.02570	0.05	3.13	0.40	3.87	153.69	387.00	1.54	0.00	0.000	0.000	0.026
344	4.50	4.40	0.03959	2.9	0.02575	0.04	3.18	0.40	3.87	153.74	387.00	1.54	0.00	0.000	0.000	0.026
345	4.40	4.30	0.03969	2.9	0.02581	0.04	3.22	0.40	3.87	153.78	387.00	1.54	0.00	0.000	0.000	0.026
346	4.30	4.20	0.03978	2.9	0.02586	0.04	3.27	0.40	3.87	153.83	387.00	1.54	0.00	0.000	0.000	0.026
347	4.20	4.10	0.03987	2.9	0.02591	0.04	3.31	0.40	3.87	153.87	387.00	1.54	0.00	0.000	0.000	0.026
348	4.10	4.00	0.03996	2.9	0.02596	0.04	3.36	0.40	3.87	153.92	387.00	1.54	0.00	0.000	0.000	0.026
349	4.00	3.90	0.04005	2.9	0.02601	0.04	3.40	0.40	3.87	153.96	387.00	1.54	0.00	0.000	0.000	0.026
350	3.90	3.80	0.04014	2.9	0.02607	0.04	3.44	0.40	3.87	154.01	387.00	1.54	0.00	0.000	0.000	0.026
351	3.80	3.70	0.04024	2.9	0.02612	0.04	3.49	0.40	3.87	154.05	387.00	1.54	0.00	0.000	0.000	0.026
352	3.70	3.60	0.04033	2.9	0.02617	0.04	3.53	0.40	3.87	154.10	387.00	1.54	0.00	0.000	0.000	0.026
353	3.60	3.50	0.04042	2.9	0.02622	0.04	3.58	0.40	3.87	154.14	387.00	1.54	0.00	0.000	0.000	0.026
354	3.50	3.40	0.04051	2.9	0.02627	0.04	3.62	0.40	3.87	154.19	387.00	1.54	0.00	0.000	0.000	0.026
355	3.40	3.30	0.04060	2.9	0.02633	0.04	3.67	0.40	3.87	154.23	387.00	1.54	0.00	0.000	0.000	0.026
356	3.30	3.20	0.04069	2.9	0.02638	0.04	3.71	0.40	3.87	154.28	387.00	1.54	0.00	0.000	0.000	0.026
357	3.20	3.10	0.04079	2.8	0.02643	0.04	3.75	0.40	3.87	154.32	387.00	1.54	0.00	0.000	0.000	0.026
358	3.10	3.00	0.04269	7.0	0.02750	0.04	3.80	0.40	3.87	155.22	387.00	1.55	0.00	0.000	0.000	0.028
359	3.00	2.90	0.04278	6.9	0.02755	0.04	3.84	0.40	3.87	155.26	387.00	1.55	0.00	0.000	0.000	0.028
360	2.90	2.80	0.04287	6.9	0.02760	0.04	3.88	0.40	3.87	155.31	387.00	1.55	0.00	0.000	0.000	0.028
361	2.80	2.70	0.04296	6.9	0.02766	0.04	3.92	0.40	3.87	155.35	387.00	1.55	0.00	0.000	0.000	0.028
362	2.70	2.60	0.04305	6.9	0.02771	0.04	3.96	0.40	3.87	155.39	387.00	1.55	0.00	0.000	0.000	0.028
363	2.60	2.50	0.04315	6.9	0.02776	0.04	4.00	0.40	3.87	155.43	387.00	1.55	0.00	0.000	0.000	0.028
364	2.50	2.40	0.04324	6.9	0.02781	0.04	4.05	0.40	3.87	155.48	387.00	1.55	0.00	0.000	0.000	0.028
365	2.40	2.30	0.04333	6.9	0.02786	0.04	4.09	0.40	3.87	155.52	387.00	1.56	0.00	0.000	0.000	0.028
366	2.30	2.20	0.04342	6.8	0.02791	0.04	4.13	0.40	3.87	155.56	387.00	1.56	0.00	0.000	0.000	0.028
367	2.20	2.10	0.04351	6.8	0.02796	0.04	4.17	0.40	3.87	155.60	387.00	1.56	0.00	0.000	0.000	0.028
368	2.10	2.00	0.04361	6.8	0.02802	0.04	4.21	0.40	3.87	155.64	387.00	1.56	0.00	0.000	0.000	0.028
369	2.00	1.90	0.04370	6.8	0.02807	0.04	4.25	0.40	3.87	155.69	387.00	1.56	0.00	0.000	0.000	0.028
370	1.90	1.80	0.04379	6.8	0.02812	0.04	4.29	0.40	3.87	155.73	387.00	1.56	0.00	0.000	0.000	0.028
371	1.80	1.70	0.04388	6.8	0.02817	0.04	4.34	0.40	3.87	155.77	387.00	1.56	0.00	0.000	0.000	0.028
372	1.70	1.60	0.04397	6.8	0.02822	0.04	4.38	0.40	3.87	155.81	387.00	1.56	0.00	0.000	0.000	0.028
373	1.60	1.50	0.04406	6.7	0.02827	0.04	4.42	0.40	3.87	155.85	387.00	1.56	0.00	0.000	0.000	0.028
374	1.50	1.40	0.04416	6.7	0.02832	0.04	4.46	0.40	3.87	155.89	387.00	1.56	0.00	0.000	0.000	0.028
375	1.40	1.30	0.04425	6.7	0.02838	0.04	4.50	0.40	3.87	155.93	387.00	1.56	0.00	0.000	0.000	0.028
376	1.30	1.20	0.04434	6.7	0.02843	0.04	4.54	0.40	3.87	155.98	387.00	1.56	0.00	0.000	0.000	0.028
377	1.20	1.10	0.04443	6.7	0.02848	0.04	4.58	0.40	3.87	156.02	387.00	1.56	0.00	0.000	0.000	0.028
378	1.10	1.00	0.04452	6.7	0.02853	0.04	4.62	0.40	3.87	156.06	387.00	1.56	0.00	0.000	0.000	0.029
379	1.00	0.90	0.04461	6.7	0.02858	0.04	4.66	0.40	3.87	156.10	387.00	1.56	0.00	0.000	0.000	0.029
380	0.90	0.80	0.04471	6.6	0.02863	0.04	4.70	0.40	3.87	156.14	387.00	1.56	0.00	0.000	0.000	0.029
381	0.80	0.70	0.04480	6.6	0.02868	0.04	4.74	0.40	3.87	156.18	387.00	1.56	0.00	0.000	0.000	0.029
382	0.70	0.60	0.04489	6.6	0.02873	0.04	4.78	0.40	3.87	156.22	387.00	1.56	0.00	0.000	0.000	0.029
383	0.60	0.50	0.04498	6.6	0.02879	0.04	4.82	0.40	3.87	156.26	387.00	1.56	0.00	0.000	0.000	0.029
384	0.50	0.40	0.04507	6.6	0.02884	0.04	4.86	0.40	3.87	156.30	387.00	1.56	0.00	0.000	0.000	0.029
385	0.40	0.30	0.04516	6.6	0.02889	0.04	4.90	0.40	3.87	156.34	387.00	1.56	0.00	0.000	0.000	0.029
386	0.30	0.20	0.04526	6.6	0.02894	0.04	4.94	0.40	3.87	156.38	387.00	1.56	0.00	0.000	0.000	0.029
387	0.20	0.10	0.04535	6.5	0.02899	0.04	4.98	0.40	3.87	156.42	387.00	1.56	0.00	0.000	0.000	0.029
388	0.10	0.00	0.04544	6.5	0.02904	0.04	5.02	0.40	3.87	156.46	387.00	1.56	0.00	0.000	0.000	0.029

TOT 5.02 16706.97 42183.00
AVG 0.0251 0.40 3.87 1.53

********** 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
280	10.800	8.14	2.81	0.04	0.03	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	2.81	0.04	0.03	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	2.82	0.04	0.03	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	2.82	0.04	0.03	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	2.82	0.04	0.03	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	2.83	0.04	0.03	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	2.83	0.04	0.03	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	2.83	0.04	0.03	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	2.84	0.04	0.03	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	2.84	0.04	0.03	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	2.84	0.04	0.03	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	2.84	0.04	0.03	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	2.85	0.04	0.03	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	2.85	0.04	0.03	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	2.85	0.04	0.03	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	2.86	0.04	0.03	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	2.86	0.04	0.03	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	2.86	0.04	0.03	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	2.87	0.04	0.03	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	2.87	0.04	0.03	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	2.87	0.04	0.03	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	2.88	0.04	0.03	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	2.89	0.04	0.03	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	2.89	0.04	0.03	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	2.90	0.04	0.03	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	2.90	0.04	0.03	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	2.90	0.04	0.03	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	2.91	0.04	0.03	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	2.91	0.04	0.03	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	2.91	0.04	0.03	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	2.92	0.04	0.03	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	2.92	0.04	0.03	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	2.92	0.04	0.03	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	2.93	0.04	0.03	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	2.93	0.04	0.03	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	2.93	0.04	0.03	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	2.94	0.04	0.03	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	2.94	0.04	0.03	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	2.94	0.04	0.03	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	2.95	0.04	0.03	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	2.95	0.04	0.03	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	2.95	0.04	0.03	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	2.96	0.04	0.03	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	2.96	0.04	0.03	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	2.96	0.04	0.03	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	2.97	0.04	0.03	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	2.97	0.04	0.03	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	2.97	0.04	0.03	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	2.98	0.04	0.03	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	2.98	0.04	0.03	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	2.98	0.04	0.03	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	2.99	0.04	0.03	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	2.99	0.04	0.03	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	2.99	0.04	0.03	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	3.00	0.04	0.03	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	3.00	0.04	0.03	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	3.00	0.04	0.03	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	3.01	0.04	0.03	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	3.01	0.04	0.03	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	3.01	0.04	0.03	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	3.02	0.04	0.03	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	3.02	0.04	0.03	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	3.03	0.04	0.03	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	3.03	0.04	0.03	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	3.03	0.04	0.03	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	3.04	0.04	0.03	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	3.04	0.04	0.03	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	3.04	0.04	0.03	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	3.05	0.04	0.03	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	3.05	0.04	0.03	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	3.05	0.04	0.03	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	3.06	0.04	0.03	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	3.06	0.04	0.03	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	3.06	0.04	0.03	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	3.07	0.04	0.03	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	3.07	0.04	0.03	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	3.07	0.04	0.03	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	3.08	0.04	0.03	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	3.11	0.05	0.03	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	3.11	0.05	0.03	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	3.11	0.05	0.03	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	3.12	0.05	0.03	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	3.12	0.05	0.03	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	3.12	0.05	0.03	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	3.13	0.05	0.03	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	3.13	0.05	0.03	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	3.13	0.05	0.03	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	3.14	0.05	0.03	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	3.14	0.05	0.03	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	3.14	0.05	0.03	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	3.15	0.05	0.03	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	3.15	0.05	0.03	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	3.15	0.05	0.03	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	3.16	0.05	0.03	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	3.16	0.05	0.03	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	3.17	0.05	0.03	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	3.17	0.05	0.03	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	3.17	0.05	0.03	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	3.18	0.05	0.03	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	3.18	0.05	0.03	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	3.18	0.05	0.03	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	3.19	0.05	0.03	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	3.19	0.05	0.03	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	3.19	0.05	0.03	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	3.20	0.05	0.03	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	3.20	0.05	0.03	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	3.20	0.05	0.03	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	3.21	0.05	0.03	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	3.21	0.05	0.03	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			2.59	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	3.53	12.42	0.00	12.95	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	25.88	0.00	1.00	0.00	3.73	12.37	0.00	12.90	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
282	10.600	25.92	0.00	1.00	0.00	3.90	12.33	0.00	12.86	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	25.95	0.00	1.00	0.00	4.05	12.28	0.00	12.81	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	25.99	0.00	1.00	0.00	4.18	12.24	0.00	12.76	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	26.03	0.00	1.00	0.00	4.29	12.20	0.00	12.71	0.00	1.10	0.10	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	26.07	0.00	1.00	0.00	4.38	12.15	0.00	12.67	0.00	1.10	0.10	0.09	1.30	1.14	1.34	0.00	0.00	0.00	0.00	0.00	4.8	0.0	0.	0.00
287	10.100	26.11	0.00	1.00	0.00	4.46	12.11	0.00	12.62	0.00	1.10	0.10	0.09	1.30	1.14	1.34	0.00	0.00	0.00	0.00	0.00	4.8	0.0	0.	0.00
288	10.000	26.15	0.00	1.00	0.00	4.53	12.07	0.00	12.57	0.00	1.10	0.10	0.09	1.30	1.14	1.34	0.00	0.00	0.00	0.00	0.00	4.8	0.0	0.	0.00
289	9.900	26.19	0.00	1.00	0.00	4.59	12.02	0.00	12.53	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
290	9.800	26.22	0.00	1.00	0.00	4.64	11.98	0.00	12.48	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
291	9.700	26.26	0.00	1.00	0.00	4.68	11.94	0.00	12.44	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	26.30	0.00	1.00	0.00	4.72	11.90	0.00	12.39	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	26.34	0.00	1.00	0.00	4.75	11.85	0.00	12.35	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	26.38	0.00	1.00	0.00	4.77	11.81	0.00	12.31	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	26.42	0.00	1.00	0.00	4.79	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	4.6	0.0	0.	0.00
296	9.200	26.46	0.00	1.00	0.00	4.81	11.73	0.00	12.22	0.00	1.10	0.09	0.09	1.29	1.14	1.32	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	4.82	11.69	0.00	12.18	0.00	1.10	0.09	0.09	1.28	1.14	1.32	0.00	0.00	0.00	0.00	0.00	4.5	0.0	0.	0.00
298	9.000	26.53	0.00	1.00	0.00	4.83	11.65	0.00	12.13	0.00	1.10	0.09	0.09	1.28	1.14	1.32	0.00	0.00	0.00	0.00	0.00	4.5	0.0	0.	0.00

299	8.900	26.57	0.00	1.00	0.00	4.84	11.61	0.00	12.09	0.00	1.10	0.09	0.09	1.28	1.14	1.32	0.00	0.00	0.00	0.00	0.00	4.5	0.0	0.	0.00
300	8.800	26.61	0.00	1.00	0.00	4.85	11.57	0.00	12.05	0.00	1.10	0.09	0.09	1.28	1.13	1.32	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	4.85	11.53	0.00	12.01	0.00	1.10	0.09	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	26.69	0.00	1.00	0.00	4.79	12.72	0.00	13.20	0.00	1.18	0.30	0.14	1.62	1.22	1.66	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	4.79	12.68	0.00	13.15	0.00	1.18	0.30	0.14	1.62	1.22	1.65	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	4.79	12.63	0.00	13.10	0.00	1.18	0.29	0.14	1.62	1.22	1.65	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	4.78	12.59	0.00	13.05	0.00	1.18	0.29	0.15	1.61	1.22	1.65	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	4.78	12.54	0.00	13.00	0.00	1.18	0.28	0.15	1.61	1.21	1.65	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	4.77	12.50	0.00	12.95	0.00	1.18	0.28	0.15	1.61	1.21	1.64	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	4.77	12.45	0.00	12.91	0.00	1.18	0.28	0.15	1.61	1.21	1.64	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	4.77	12.41	0.00	12.86	0.00	1.18	0.27	0.15	1.60	1.21	1.64	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	4.76	12.36	0.00	12.81	0.00	1.17	0.27	0.16	1.60	1.21	1.64	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	4.75	12.32	0.00	12.76	0.00	1.17	0.27	0.16	1.60	1.21	1.63	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	4.75	12.27	0.00	12.72	0.00	1.17	0.26	0.16	1.60	1.21	1.63	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	4.74	12.23	0.00	12.67	0.00	1.17	0.26	0.16	1.59	1.21	1.63	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	4.74	12.19	0.00	12.62	0.00	1.17	0.25	0.17	1.59	1.21	1.63	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	4.73	12.14	0.00	12.58	0.00	1.17	0.25	0.17	1.59	1.21	1.62	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	4.73	12.10	0.00	12.53	0.00	1.17	0.25	0.17	1.59	1.21	1.62	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	4.72	12.06	0.00	12.49	0.00	1.17	0.24	0.17	1.58	1.20	1.62	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	4.71	12.01	0.00	12.44	0.00	1.17	0.24	0.17	1.58	1.20	1.62	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	4.70	12.00	0.00	12.43	0.00	1.17	0.24	0.18	1.59	1.20	1.62	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	4.70	11.96	0.00	12.38	0.00	1.17	0.24	0.18	1.59	1.20	1.62	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	4.69	11.92	0.00	12.34	0.00	1.17	0.24	0.18	1.59	1.20	1.62	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	4.68	11.87	0.00	12.29	0.00	1.17	0.23	0.18	1.58	1.20	1.62	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	4.68	11.83	0.00	12.25	0.00	1.17	0.23	0.18	1.58	1.20	1.61	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	4.67	11.79	0.00	12.20	0.00	1.17	0.23	0.18	1.58	1.20	1.61	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	4.66	11.75	0.00	12.16	0.00	1.17	0.22	0.19	1.58	1.20	1.61	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	4.66	11.71	0.00	12.12	0.00	1.17	0.22	0.19	1.57	1.20	1.61	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	4.65	11.67	0.00	12.07	0.00	1.16	0.22	0.19	1.57	1.20	1.60	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	4.64	11.63	0.00	12.03	0.00	1.16	0.21	0.19	1.57	1.20	1.60	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	4.64	11.59	0.00	11.99	0.00	1.16	0.21	0.19	1.57	1.19	1.60	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	4.63	11.55	0.00	11.95	0.00	1.16	0.21	0.19	1.56	1.19	1.59	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	4.62	11.51	0.00	11.90	0.00	1.16	0.21	0.19	1.56	1.19	1.59	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	4.61	11.47	0.00	11.86	0.00	1.16	0.20	0.19	1.56	1.19	1.59	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	4.60	11.60	0.00	11.99	0.00	1.17	0.23	0.20	1.60	1.20	1.63	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	4.59	11.56	0.00	11.95	0.00	1.17	0.22	0.20	1.60	1.20	1.63	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	4.59	11.52	0.00	11.90	0.00	1.17	0.22	0.20	1.59	1.20	1.62	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	4.58	11.48	0.00	11.86	0.00	1.17	0.22	0.20	1.59	1.20	1.62	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	4.57	11.44	0.00	11.82	0.00	1.17	0.21	0.20	1.59	1.20	1.62	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	4.56	11.40	0.00	11.78	0.00	1.17	0.21	0.20	1.59	1.20	1.62	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	4.56	11.36	0.00	11.74	0.00	1.17	0.21	0.21	1.58	1.20	1.61	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	4.53	11.70	0.00	12.07	0.00	1.19	0.27	0.22	1.68	1.22	1.71	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	4.52	11.66	0.00	12.02	0.00	1.19	0.26	0.22	1.68	1.22	1.71	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	4.51	11.62	0.00	11.98	0.00	1.19	0.26	0.22	1.67	1.22	1.70	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	4.50	11.58	0.00	11.94	0.00	1.19	0.26	0.22	1.67	1.22	1.70	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	4.50	11.54	0.00	11.90	0.00	1.19	0.25	0.23	1.67	1.22	1.70	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	4.49	11.50	0.00	11.85	0.00	1.19	0.25	0.23	1.66	1.22	1.69	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	4.48	11.46	0.00	11.81	0.00	1.19	0.25	0.23	1.66	1.22	1.69	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	4.47	11.42	0.00	11.77	0.00	1.19	0.24	0.23	1.66	1.21	1.69	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	4.46	11.38	0.00	11.73	0.00	1.19	0.24	0.23	1.66	1.21	1.68	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	4.46	11.34	0.00	11.69	0.00	1.19	0.24	0.23	1.65	1.21	1.68	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	4.45	11.30	0.00	11.65	0.00	1.18	0.23	0.23	1.65	1.21	1.68	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	4.44	11.26	0.00	11.60	0.00	1.18	0.23	0.24	1.65	1.21	1.68	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	4.43	11.23	0.00	11.56	0.00	1.18	0.23	0.24	1.65	1.21	1.67	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	4.43	11.19	0.00	11.52	0.00	1.18	0.22	0.24	1.64	1.21	1.67	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	4.42	11.15	0.00	11.48	0.00	1.18	0.22	0.24	1.64	1.21	1.67	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	4.41	11.11	0.00	11.44	0.00	1.18	0.22	0.24	1.64	1.21	1.66	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	4.40	11.08	0.00	11.40	0.00	1.18	0.21	0.24	1.63	1.21	1.66	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	4.40	11.04	0.00	11.36	0.00	1.18	0.21	0.24	1.63	1.21	1.66	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	4.32	11.76	0.00	12.08	0.00	1.22	0.37	0.32	1.91	1.24	1.94	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	4.31	11.72	0.00	12.04	0.00	1.22	0.37	0.32	1.91	1.24	1.93	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	4.31	11.68	0.00	12.00	0.00	1.22	0.36	0.32	1.90	1.24	1.93	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	4.30	11.64	0.00	11.95	0.00	1.22	0.36	0.33	1.90	1.24	1.93	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	4.30	11.60	0.00	11.91	0.00	1.22	0.35	0.33	1.90	1.24	1.92	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	4.29	11.56	0.00	11.87	0.00	1.21	0.35	0.33	1.89	1.24	1.92	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	4.29	11.52	0.00	11.83	0.00	1.21	0.34	0.33	1.89	1.24	1.91	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	4.28	11.48	0.00	11.79	0.00	1.21	0.34	0.34	1.89	1.24	1.91	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	4.28	11.44	0.00	11.74	0.00	1.21	0.33	0.34	1.88	1.24	1.91	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	4.27	11.40	0.00	11.70	0.00	1.21	0.33	0.34	1.88	1.24	1.90	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	4.27	11.37	0.00	11.66	0.00	1.21	0.32	0.34	1.87	1.23	1.90	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	4.26	11.33	0.00	11.62	0.00	1.21	0.32	0.34	1.87	1.23	1.89	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	4.26	11.29	0.00	11.58	0.00	1.21	0.31	0.35	1.87	1.23	1.89	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	4.25	11.25	0.00	11.54	0.00	1.21	0.31	0.35	1.86	1.23	1.89	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	4.24	11.21	0.00	11.50	0.00	1.21	0.30	0.35	1.86	1.23	1.88	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	4.24	11.17	0.00	11.46	0.00	1.21	0.30	0.35	1.86	1.23	1.88	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	4.23	11.14	0.00	11.41	0.00	1.21	0.29	0.35	1.85	1.23	1.87	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	4.22	11.10	0.00	11.37	0.00	1.21	0.29	0.35	1.85	1.23	1.87	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	4.22	11.06	0.00	11.33	0.00	1.21	0.29	0.35	1.85	1.23	1.87	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	4.21	11.02	0.00	11.29	0.00	1.20	0.28	0.36	1.84	1.23	1.86	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	4.21	10.99	0.00	11.25	0.00	1.20	0.28	0.36	1.84	1.22	1.86	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	4.20	10.95	0.00	11.22	0.00	1.20	0.27	0.36	1.83	1.22	1.86	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	4.19	10.91	0.00	11.18	0.00	1.20	0.27	0.36	1.83	1.22	1.85	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	4.19	10.88	0.00	11.14	0.00	1.20	0.27	0.36	1.83	1.22	1.85	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	4.18	10.84	0.00	11.10	0.00	1.20	0.26	0.36	1.82	1.22	1.84	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	4.17	10.80	0.00	11.06	0.00	1.20	0.26	0.36	1.82	1.22	1.84	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	4.17	10.77	0.00	11.02	0.00	1.20	0.25	0.36	1.82	1.22	1.84	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	4.16	10.73	0.00	10.98	0.00	1.20	0.25	0.36	1.81	1.22	1.83	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	4.15	10.70	0.00	10.94	0.00	1.20	0.25	0.36	1.81	1.22	1.83	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	4.15	10.66	0.00	10.91	0.00	1.20	0.24	0.36	1.81	1.22	1.82	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	4.14	10.63	0.00	10.87	0.00	1.20	0.24	0.37	1.80	1.22	1.82	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 Calibration 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	0.05663	29.80	0.00	0.00	0.00	5.10	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 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	0.05663	0.0	0.02337	0.05	0.05	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
488	7.30	7.20	0.05663	0.0	0.02337	0.05	0.10	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
489	7.20	7.10	0.05663	0.0	0.02337	0.05	0.15	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
490	7.10	7.00	0.05663	0.0	0.02337	0.05	0.20	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
491	7.00	6.90	0.05663	0.0	0.02337	0.05	0.25	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
492	6.90	6.80	0.05663	0.0	0.02337	0.05	0.30	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
493	6.80	6.70	0.05663	0.0	0.02337	0.05	0.35	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
494	6.70	6.60	0.05663	0.0	0.02337	0.05	0.40	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
495	6.60	6.50	0.05663	0.0	0.02337	0.05	0.45	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
496	6.50	6.40	0.05663	0.0	0.02337	0.05	0.50	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
497	6.40	6.30	0.05663	0.0	0.02337	0.05	0.54	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
498	6.30	6.20	0.05663	0.0	0.02337	0.05	0.59	0.47	5.18	242.32	518.00	2.42	0.00	0.000	0.000	0.023
499	6.20	6.10	0.05680	0.3	0.02343	0.05	0.64	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
500	6.10	6.00	0.05680	0.3	0.02343	0.05	0.69	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
501	6.00	5.90	0.05680	0.3	0.02343	0.05	0.74	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
502	5.90	5.80	0.05680	0.3	0.02343	0.05	0.79	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
503	5.80	5.70	0.05680	0.3	0.02343	0.05	0.84	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
504	5.70	5.60	0.05680	0.3	0.02343	0.05	0.89	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
505	5.60	5.50	0.05680	0.3	0.02343	0.05	0.94	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
506	5.50	5.40	0.05680	0.3	0.02343	0.05	0.99	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
507	5.40	5.30	0.05680	0.3	0.02343	0.05	1.04	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
508	5.30	5.20	0.05680	0.3	0.02343	0.05	1.09	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
509	5.20	5.10	0.05680	0.3	0.02343	0.05	1.14	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
510	5.10	5.00	0.05680	0.3	0.02343	0.05	1.19	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
511	5.00	4.90	0.05680	0.3	0.02343	0.05	1.24	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
512	4.90	4.80	0.05680	0.3	0.02343	0.05	1.29	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
513	4.80	4.70	0.05680	0.3	0.02343	0.05	1.34	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
514	4.70	4.60	0.05680	0.3	0.02343	0.05	1.38	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
515	4.60	4.50	0.05680	0.3	0.02343	0.05	1.43	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
516	4.50	4.40	0.05680	0.3	0.02343	0.05	1.48	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
517	4.40	4.30	0.05680	0.3	0.02343	0.05	1.53	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
518	4.30	4.20	0.05680	0.3	0.02343	0.05	1.58	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
519	4.20	4.10	0.05680	0.3	0.02343	0.05	1.63	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
520	4.10	4.00	0.05680	0.3	0.02343	0.05	1.68	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
521	4.00	3.90	0.05680	0.3	0.02343	0.05	1.73	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
522	3.90	3.80	0.05680	0.3	0.02343	0.05	1.78	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
523	3.80	3.70	0.05680	0.3	0.02343	0.05	1.83	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
524	3.70	3.60	0.05680	0.3	0.02343	0.05	1.88	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
525	3.60	3.50	0.05680	0.3	0.02343	0.05	1.93	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
526	3.50	3.40	0.05680	0.3	0.02343	0.05	1.98	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
527	3.40	3.30	0.05680	0.3	0.02343	0.05	2.03	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
528	3.30	3.20	0.05680	0.3	0.02343	0.05	2.08	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
529	3.20	3.10	0.05680	0.3	0.02343	0.05	2.13	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
530	3.10	3.00	0.05680	0.3	0.02343	0.05	2.18	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
531	3.00	2.90	0.05680	0.3	0.02343	0.05	2.22	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
532	2.90	2.80	0.05680	0.3	0.02343	0.05	2.27	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
533	2.80	2.70	0.05680	0.3	0.02343	0.05	2.32	0.47	5.18	242.42	518.00	2.42	0.00	0.000	0.000	0.023
534	2.70	2.60	0.05682	0.3	0.02344	0.05	2.37	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
535	2.60	2.50	0.05682	0.3	0.02344	0.05	2.42	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
536	2.50	2.40	0.05682	0.3	0.02344	0.05	2.47	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
537	2.40	2.30	0.05682	0.3	0.02344	0.05	2.52	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
538	2.30	2.20	0.05682	0.3	0.02344	0.05	2.57	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
539	2.20	2.10	0.05682	0.3	0.02344	0.05	2.62	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
540	2.10	2.00	0.05682	0.3	0.02344	0.05	2.67	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
541	2.00	1.90	0.05682	0.3	0.02344	0.05	2.72	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
542	1.90	1.80	0.05682	0.3	0.02344	0.05	2.77	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
543	1.80	1.70	0.05682	0.3	0.02344	0.05	2.82	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
544	1.70	1.60	0.05682	0.3	0.02344	0.05	2.87	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
545	1.60	1.50	0.05682	0.3	0.02344	0.05	2.92	0.47	5.18	242.43	518.00	2.42	0.00	0.000	0.000	0.023
546	1.50	1.40	0.05724	1.1	0.02359	0.05	2.96	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
547	1.40	1.30	0.05724	1.1	0.02359	0.05	3.01	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
548	1.30	1.20	0.05724	1.1	0.02359	0.05	3.06	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
549	1.20	1.10	0.05724	1.1	0.02359	0.05	3.11	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
550	1.10	1.00	0.05724	1.1	0.02359	0.05	3.16	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
551	1.00	0.90	0.05724	1.1	0.02359	0.05	3.21	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
552	0.90	0.80	0.05724	1.1	0.02359	0.05	3.26	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024

553	0.80	0.70	0.05724	1.1	0.02359	0.05	3.31	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
554	0.70	0.60	0.05724	1.1	0.02359	0.05	3.36	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
555	0.60	0.50	0.05724	1.1	0.02359	0.05	3.41	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
556	0.50	0.40	0.05724	1.1	0.02359	0.05	3.46	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
557	0.40	0.30	0.05724	1.1	0.02359	0.05	3.50	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
558	0.30	0.20	0.05724	1.1	0.02359	0.05	3.55	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
559	0.20	0.10	0.05724	1.1	0.02359	0.05	3.60	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
560	0.10	0.00	0.05724	1.1	0.02359	0.05	3.65	0.47	5.18	242.66	518.00	2.43	0.00	0.000	0.000	0.024
TOT						3.65				17941.49	38332.00					
AVG					0.0235			0.47	5.18			2.42				

********** 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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	2.74	0.06	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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	0.03	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			2.13	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	5.20	23.54	0.00	25.89	0.00	0.94	0.53	0.19	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	33.90	0.00	1.00	0.00	5.29	23.44	0.00	25.79	0.00	0.94	0.51	0.19	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	33.90	0.00	1.00	0.00	5.38	23.33	0.00	25.68	0.00	0.94	0.50	0.20	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	33.90	0.00	1.00	0.00	5.45	23.23	0.00	25.58	0.00	0.94	0.49	0.21	1.63	1.13	1.82	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	5.52	23.12	0.00	25.47	0.00	0.94	0.48	0.21	1.63	1.13	1.81	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	5.58	23.02	0.00	25.37	0.00	0.94	0.46	0.22	1.62	1.13	1.81	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	5.63	22.91	0.00	25.26	0.00	0.94	0.45	0.22	1.61	1.13	1.80	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	5.68	22.81	0.00	25.16	0.00	0.94	0.44	0.23	1.61	1.13	1.79	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	5.73	22.71	0.00	25.06	0.00	0.94	0.43	0.23	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	33.90	0.00	1.00	0.00	5.77	22.60	0.00	24.95	0.00	0.94	0.42	0.24	1.59	1.12	1.78	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	5.81	22.50	0.00	24.85	0.00	0.94	0.41	0.24	1.58	1.12	1.77	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	5.84	22.40	0.00	24.75	0.00	0.94	0.40	0.24	1.58	1.12	1.76	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	5.86	22.23	0.00	24.58	0.00	0.93	0.39	0.25	1.57	1.12	1.76	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	5.89	22.13	0.00	24.48	0.00	0.93	0.38	0.25	1.56	1.12	1.75	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	5.92	22.03	0.00	24.38	0.00	0.93	0.37	0.26	1.56	1.12	1.74	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	5.94	21.93	0.00	24.28	0.00	0.93	0.36	0.26	1.55	1.12	1.73	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	5.97	21.83	0.00	24.18	0.00	0.93	0.35	0.26	1.54	1.12	1.73	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	5.99	21.73	0.00	24.08	0.00	0.93	0.34	0.26	1.53	1.12	1.72	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	6.01	21.63	0.00	23.98	0.00	0.93	0.33	0.26	1.52	1.12	1.71	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	6.03	21.53	0.00	23.88	0.00	0.93	0.33	0.26	1.52	1.12	1.70	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	6.05	21.43	0.00	23.78	0.00	0.93	0.32	0.26	1.51	1.11	1.70	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	6.07	21.33	0.00	23.68	0.00	0.93	0.31	0.27	1.50	1.11	1.69	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	6.08	21.23	0.00	23.58	0.00	0.93	0.30	0.27	1.49	1.11	1.68	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	6.10	21.14	0.00	23.49	0.00	0.93	0.29	0.27	1.49	1.11	1.67	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	6.11	21.04	0.00	23.39	0.00	0.92	0.29	0.27	1.48	1.11	1.67	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	6.12	20.94	0.00	23.29	0.00	0.92	0.28	0.27	1.47	1.11	1.66	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	6.14	20.85	0.00	23.20	0.00	0.92	0.27	0.27	1.46	1.11	1.65	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	6.15	20.75	0.00	23.10	0.00	0.92	0.27	0.27	1.46	1.11	1.64	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	6.16	20.66	0.00	23.01	0.00	0.92	0.26	0.27	1.45	1.11	1.64	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	6.17	20.56	0.00	22.91	0.00	0.92	0.25	0.26	1.44	1.11	1.63	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	6.18	20.47	0.00	22.82	0.00	0.92	0.25	0.26	1.43	1.11	1.62	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	6.19	20.37	0.00	22.72	0.00	0.92	0.24	0.26	1.43	1.11	1.61	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	6.20	20.28	0.00	22.63	0.00	0.92	0.24	0.26	1.42	1.11	1.61	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	6.21	20.19	0.00	22.53	0.00	0.92	0.23	0.26	1.41	1.11	1.60	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	6.22	20.09	0.00	22.44	0.00	0.92	0.23	0.26	1.40	1.11	1.59	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	6.23	20.00	0.00	22.35	0.00	0.92	0.22	0.26	1.40	1.11	1.58	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	6.24	19.91	0.00	22.26	0.00	0.92	0.22	0.26	1.39	1.10	1.58	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	6.25	19.82	0.00	22.17	0.00	0.92	0.21	0.25	1.38	1.10	1.57	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	6.26	19.73	0.00	22.08	0.00	0.92	0.21	0.25	1.37	1.10	1.56	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	6.26	19.64	0.00	21.98	0.00	0.92	0.20	0.25	1.37	1.10	1.55	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	6.27	19.55	0.00	21.89	0.00	0.92	0.20	0.25	1.36	1.10	1.55	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	6.28	19.46	0.00	21.80	0.00	0.91	0.19	0.24	1.35	1.10	1.54	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	6.29	19.37	0.00	21.72	0.00	0.91	0.19	0.24	1.34	1.10	1.53	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	6.29	19.28	0.00	21.63	0.00	0.91	0.18	0.24	1.34	1.10	1.52	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	6.30	19.19	0.00	21.54	0.00	0.91	0.18	0.24	1.33	1.10	1.52	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	6.31	19.10	0.00	21.45	0.00	0.91	0.17	0.23	1.32	1.10	1.51	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	6.31	19.01	0.00	21.36	0.00	0.91	0.17	0.23	1.31	1.10	1.50	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	6.32	18.92	0.00	21.27	0.00	0.91	0.17	0.23	1.31	1.10	1.49	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	6.32	18.83	0.00	21.18	0.00	0.91	0.16	0.23	1.30	1.10	1.49	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	6.33	18.75	0.00	21.10	0.00	0.91	0.16	0.22	1.29	1.10	1.48	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	6.34	18.66	0.00	21.01	0.00	0.91	0.16	0.22	1.29	1.10	1.47	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	6.34	18.58	0.00	20.93	0.00	0.91	0.15	0.22	1.28	1.10	1.46	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	6.35	18.49	0.00	20.84	0.00	0.91	0.15	0.21	1.27	1.09	1.46	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	6.35	18.41	0.00	20.76	0.00	0.91	0.14	0.21	1.26	1.09	1.45	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	6.36	18.32	0.00	20.67	0.00	0.91	0.14	0.21	1.26	1.09	1.44	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	6.36	18.24	0.00	20.59	0.00	0.91	0.14	0.20	1.25	1.09	1.44	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	6.37	18.16	0.00	20.51	0.00	0.91	0.14	0.20	1.24	1.09	1.43	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	6.37	18.07	0.00	20.42	0.00	0.91	0.13	0.20	1.24	1.09	1.42	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	6.38	17.99	0.00	20.34	0.00	0.90	0.13	0.19	1.23	1.09	1.42	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	6.35	18.28	0.00	20.63	0.00	0.93	0.20	0.21	1.34	1.12	1.52	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	6.35	18.20	0.00	20.55	0.00	0.93	0.19	0.20	1.33	1.12	1.52	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	6.35	18.12	0.00	20.47	0.00	0.93	0.19	0.20	1.32	1.12	1.51	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	6.35	18.04	0.00	20.39	0.00	0.93	0.18	0.20	1.32	1.12	1.50	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	6.36	17.96	0.00	20.31	0.00	0.93	0.18	0.20	1.31	1.12	1.50	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	6.36	17.87	0.00	20.22	0.00	0.93	0.18	0.20	1.30	1.12	1.49	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	6.36	17.79	0.00	20.14	0.00	0.93	0.17	0.19	1.30	1.12	1.48	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	6.37	17.71	0.00	20.06	0.00	0.93	0.17	0.19	1.29	1.12	1.48	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	6.37	17.63	0.00	19.98	0.00	0.93	0.16	0.19	1.28	1.12	1.47	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	6.37	17.55	0.00	19.90	0.00	0.93	0.16	0.19	1.27	1.12	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	6.38	17.48	0.00	19.83	0.00	0.93	0.16	0.18	1.27	1.11	1.46	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	6.38	17.40	0.00	19.75	0.00	0.93	0.15	0.18	1.26	1.11	1.45	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	6.38	17.32	0.00	19.67	0.00	0.93	0.15	0.18	1.25	1.11	1.44	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	6.39	17.24	0.00	19.59	0.00	0.93	0.15	0.18	1.25	1.11	1.43	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	6.39	17.16	0.00	19.51	0.00	0.93	0.14	0.17	1.24	1.11	1.43	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
Calibration 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	3.34	0.05926	0.04222	0.500	2.74	2.092	0.139	1.642	8.99
3	Pontchatoula (PTS to YWRC)	28.40	24.70	3.70	0.35	0.03221	0.12204	0.182	3.35	1.137	0.400	0.597	10.99
4	Pontchatoula (YWRC to EPON)	24.70	20.70	4.00	1.64	0.04710	0.02823	0.450	3.08	1.663	0.093	1.476	10.11
6	Pontchatoula (EPON to Arnold)	20.70	10.90	9.80	0.19	0.59676	0.60288	0.147	3.20	21.072	1.978	0.482	10.50
8	Pontchatoula (Arnold to YWR)	10.90	6.60	4.30	0.69	0.73764	0.07205	0.500	18.29	26.046	0.236	1.639	60.01
9	Pontchatoula (YWR to base)	6.60	0.00	6.60	8.57	0.73893	0.00891	1.600	51.82	26.092	0.029	5.249	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	0.01021	0.02307	0.150	0.91	0.361	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	5.02	0.04544	0.02512	0.396	3.87	1.604	0.082	1.299	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

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   7 Arnold Creek                          7.40      0.00    7.40      3.65   0.05724    0.02345   0.468    5.18     2.021      0.077   1.536   17.00

LA-QUAL Model for Ponchatoula Creek Watershed
Calibration Simulation

STREAM SUMMARY REPORT: Pont. Creek

 TRAVEL TIME       =          14.79 DAYS
 MAXIMUM EFFLUENT  =          14.67 PERCENT

 FLOW              =   0.03221 TO    0.73893   m³/s
 DISPERSION        =   0.0000  TO   35.0000    m²/s
 VELOCITY          =   0.00890 TO    1.17174   m/s
 DEPTH             =   0.13    TO    1.60      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        =    0.53   TO   12.85      per day
 BOD SETTLING      =    0.01   TO    0.10      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  =    4.91   TO    7.71      mg/L

STREAM SUMMARY REPORT: Pont. Trib.

 TRAVEL TIME       =           4.01 DAYS
 MAXIMUM EFFLUENT  =          72.28 PERCENT

 FLOW              =   0.00283 TO    0.01021   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.02122 TO    0.06499   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   11.10      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  =    6.22   TO    7.49      mg/L

STREAM SUMMARY REPORT: East Pont.

 TRAVEL TIME       =           5.02 DAYS
 MAXIMUM EFFLUENT  =           6.96 PERCENT

 FLOW              =   0.03256 TO    0.04544   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.02172 TO    0.02904   m/s
 DEPTH             =   0.39    TO    0.40      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        =    2.81   TO    3.21      per day
 BOD SETTLING      =    0.03   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
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 TEMPERATURE       =   25.84   TO   30.00      deg C
 DISSOLVED OXYGEN  =    3.53   TO    4.85      mg/L

STREAM SUMMARY REPORT: Arnold's Creek

 TRAVEL TIME       =           3.65 DAYS
 MAXIMUM EFFLUENT  =           1.07 PERCENT

 FLOW              =   0.05663 TO    0.05724   m³/s
 DISPERSION        =   0.0000  TO    0.0000    m²/s
 VELOCITY          =   0.02337 TO    0.02359   m/s
 DEPTH             =   0.47    TO    0.47      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        =    2.74   TO    2.75      per day
 BOD SETTLING      =    0.03   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       =   33.90   TO   33.90      deg C
 DISSOLVED OXYGEN  =    5.20   TO    6.39      mg/L

 LA-QUAL Model for Ponchatoula Creek Watershed
 Calibration 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	0.14856	72.10	233.41	0.00	14.93	4.46	1.48	0.00	0.00	0.00		0.00
INCREMENTAL INFLOW	0.53820	326.59	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	0.10597	21.09	172.44	0.00	17.47	15.21	31.50	0.00	0.00	0.00		0.00
WITHDRAWLS	-0.05380	-34.20	-65.29	0.00	-7.95	-2.43	-2.19	0.00	0.00	0.00		0.00
FLOW THRU LOWER BNDRY	-0.73893	-338.04	-1443.35	0.00	-103.57	-9.33	-5.55	0.00	0.00	0.00		0.00
DISPERSION THRU LOWER BNDRY		13.12	910.50	0.00	40.92	9.72	-7.50	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		1046.50										
DAM REAERATION		0.00										
SOD BACKGROUND		-990.76										
BOD1 DECAY		-915.00	-915.00									
BOD1 SETTLING		0.00	-144.91									
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			-10.49	10.49						
ORG-N SETTLING					0.00	0.00						
NH3-N DECAY (NITRIFICATION)		-177.48				-40.99	40.99					
NH3-N BACKGROUND SEDIMENT SOURCE						0.00						
DENITRIFICATION			-74.52				-26.08					
ORG-P HYDROLYSIS								0.00	0.00			
ORG-P SETTLING								0.00	0.00			
PO4-P BACKGROUND SEDIMENT SOURCE									0.00			
PHYTOPLANKTON GROWTH/PHOTOSYNTHESIS		976.06				0.00	-48.80		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	0.79273	2455.45	2643.09	0.00	122.01	52.75	90.13	0.00	0.00	0.00	0.00	0.00

TOTAL OUTPUTS	-0.79273	-2455.48	-2643.08	0.00	-122.00	-52.75	-90.13	0.00	0.00	0.00	0.00	0.00
NET CONVERGENCE ERROR	0.00000	-0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

.....EXECUTION COMPLETED

APPENDIX F:
Calibration Water Quality Plots

FIGURES

Figure F-1. Temperature calibration results for Ponchatoula Creek in subsegment 040505. F-1
Figure F-2. Ammonia calibration results for Ponchatoula Creek in subsegment 040505. F-1
Figure F-3. $CBOD_u$ calibration results for Ponchatoula Creek in subsegment 040505. F-2
Figure F-4. DO calibration results for Ponchatoula Creek in subsegment 040505. F-2
Figure F-5. Organic nitrogen calibration results for Ponchatoula Creek in subsegment 040505. F-3
Figure F-6. Nitrate+nitrite calibration results for Ponchatoula Creek in subsegment 040505. F-3
Figure F-7. Temperature calibration results for East Ponchatoula Creek in subsegment 040505. F-4
Figure F-8. Ammonia calibration results for East Ponchatoula Creek in subsegment 040505. F-4
Figure F-9. $CBOD_u$ calibration results for East Ponchatoula Creek in subsegment 040505. F-5
Figure F-10. DO calibration results for East Ponchatoula Creek in subsegment 040505. F-5
Figure F-11. Organic nitrogen calibration results for East Ponchatoula Creek in subsegment 040505. F-6
Figure F-12. Nitrate+nitrite calibration results for East Ponchatoula Creek in subsegment 040505. F-6

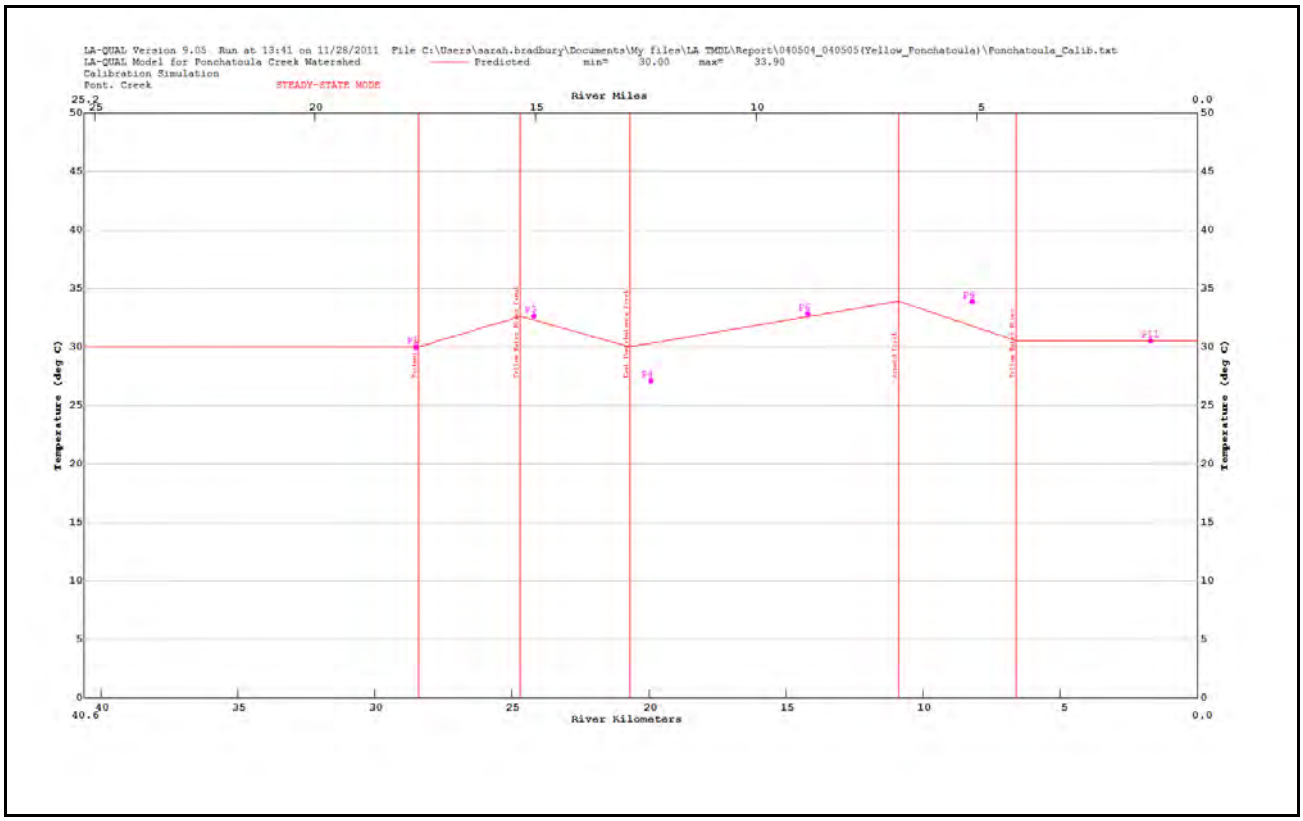

Figure F-1. Temperature calibration results for Ponchatoula Creek in subsegment 040505.

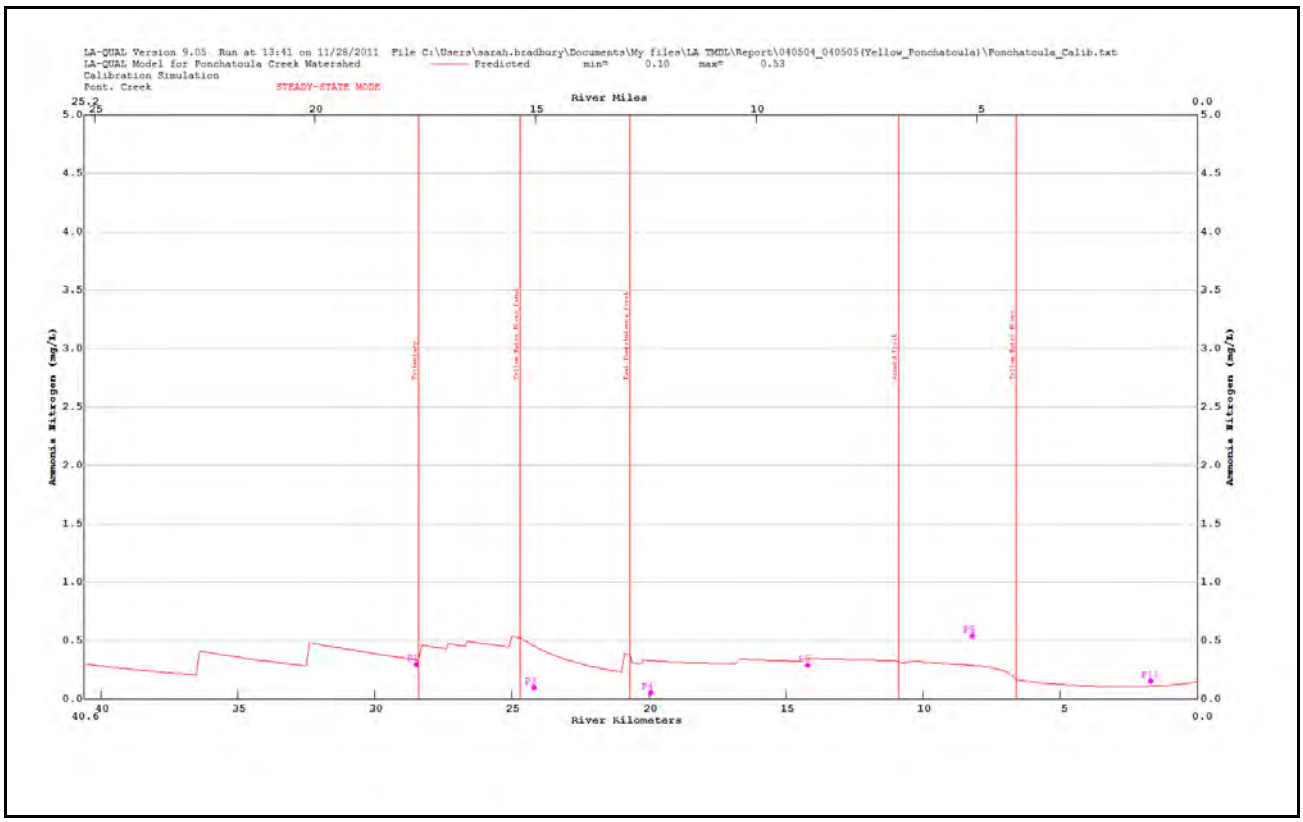

Figure F-2. Ammonia calibration results for Ponchatoula Creek in subsegment 040505.

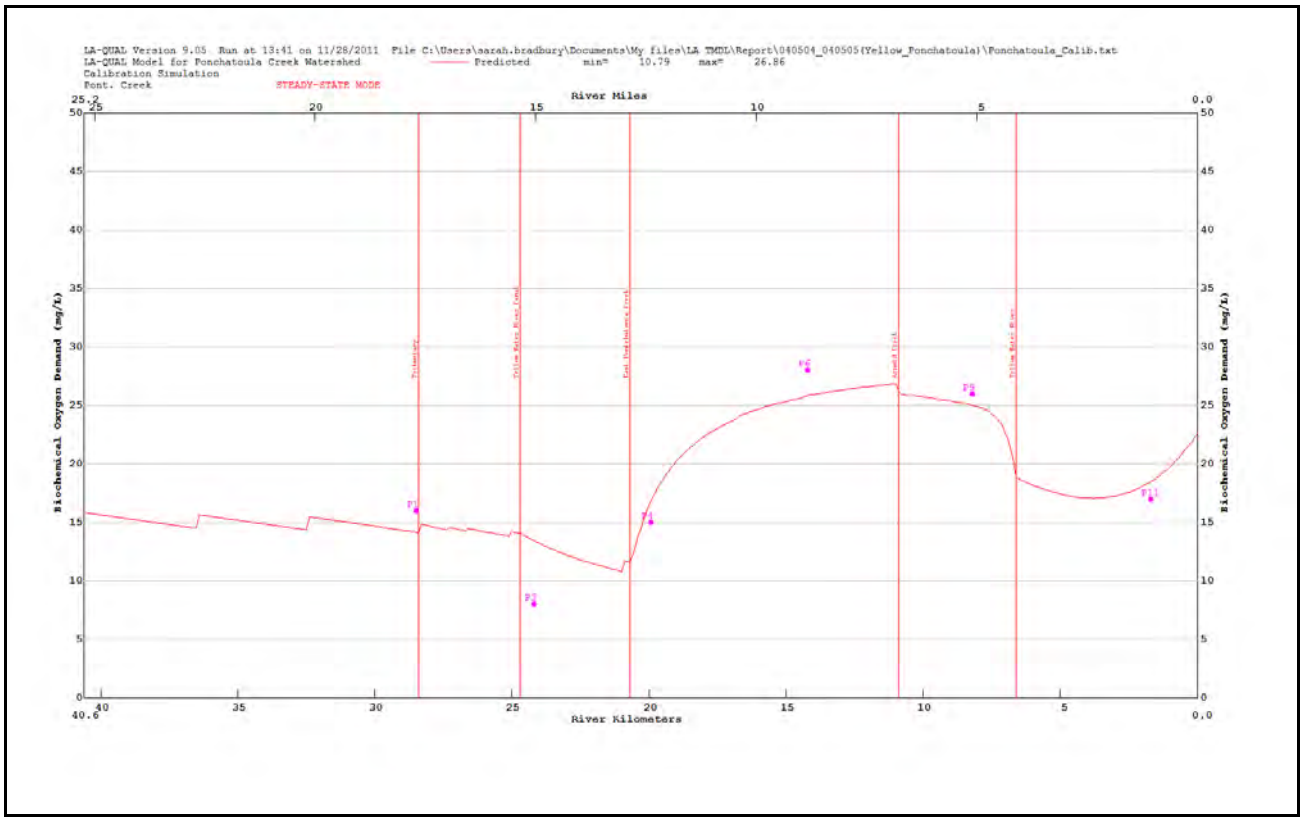

Figure F-3. $CBOD_u$ calibration results for Ponchatoula Creek in subsegment 040505.

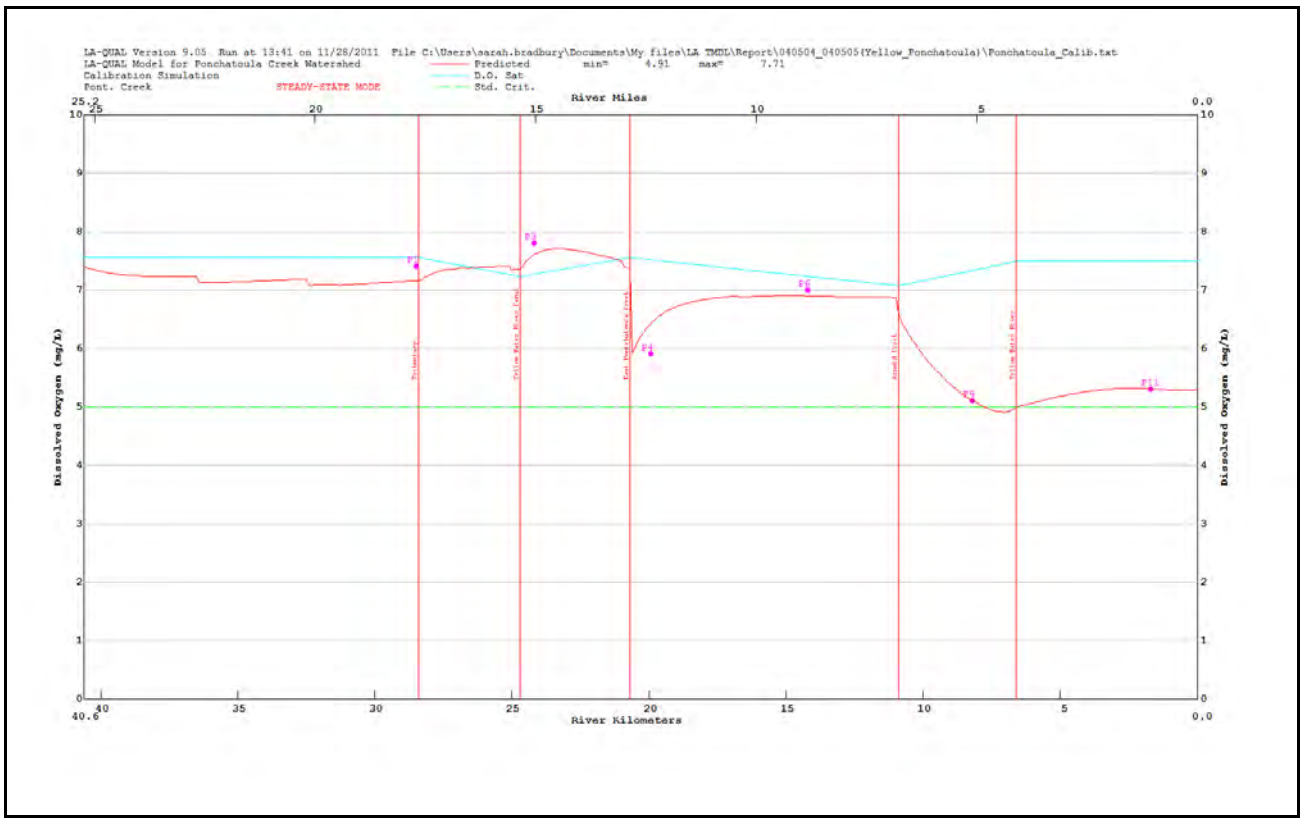

Figure F-4. DO calibration results for Ponchatoula Creek in subsegment 040505.

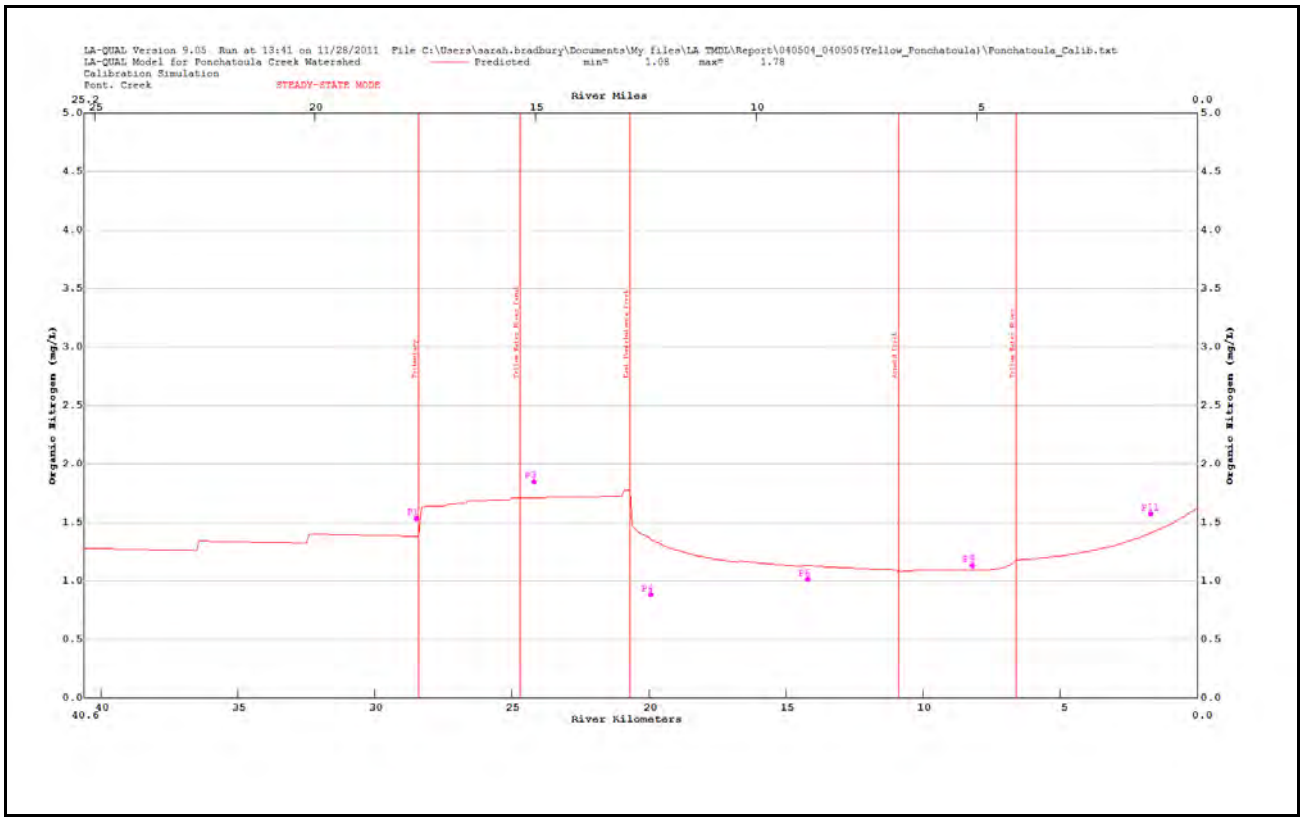

Figure F-5. Organic nitrogen calibration results for Ponchatoula Creek in subsegment 040505.

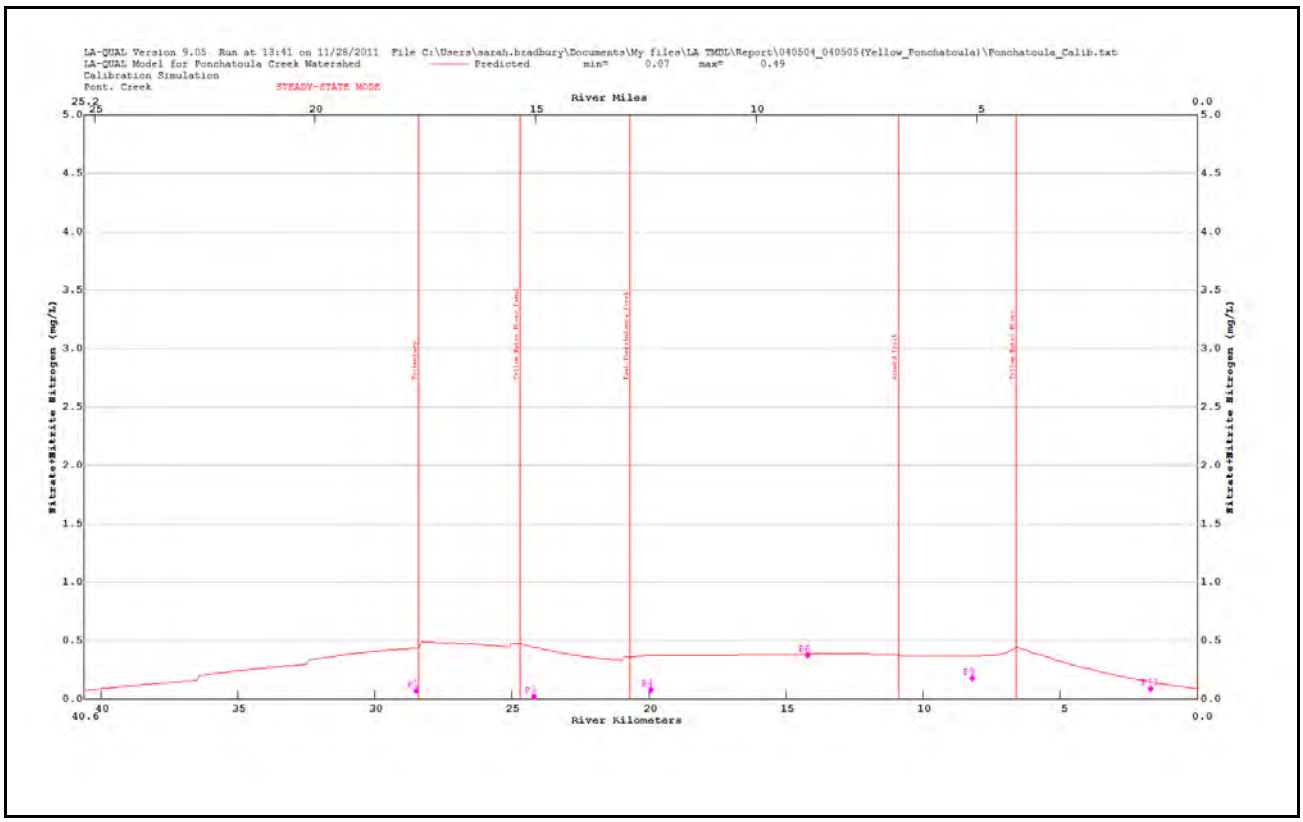

Figure F-6. Nitrate+nitrite calibration results for Ponchatoula Creek in subsegment 040505.

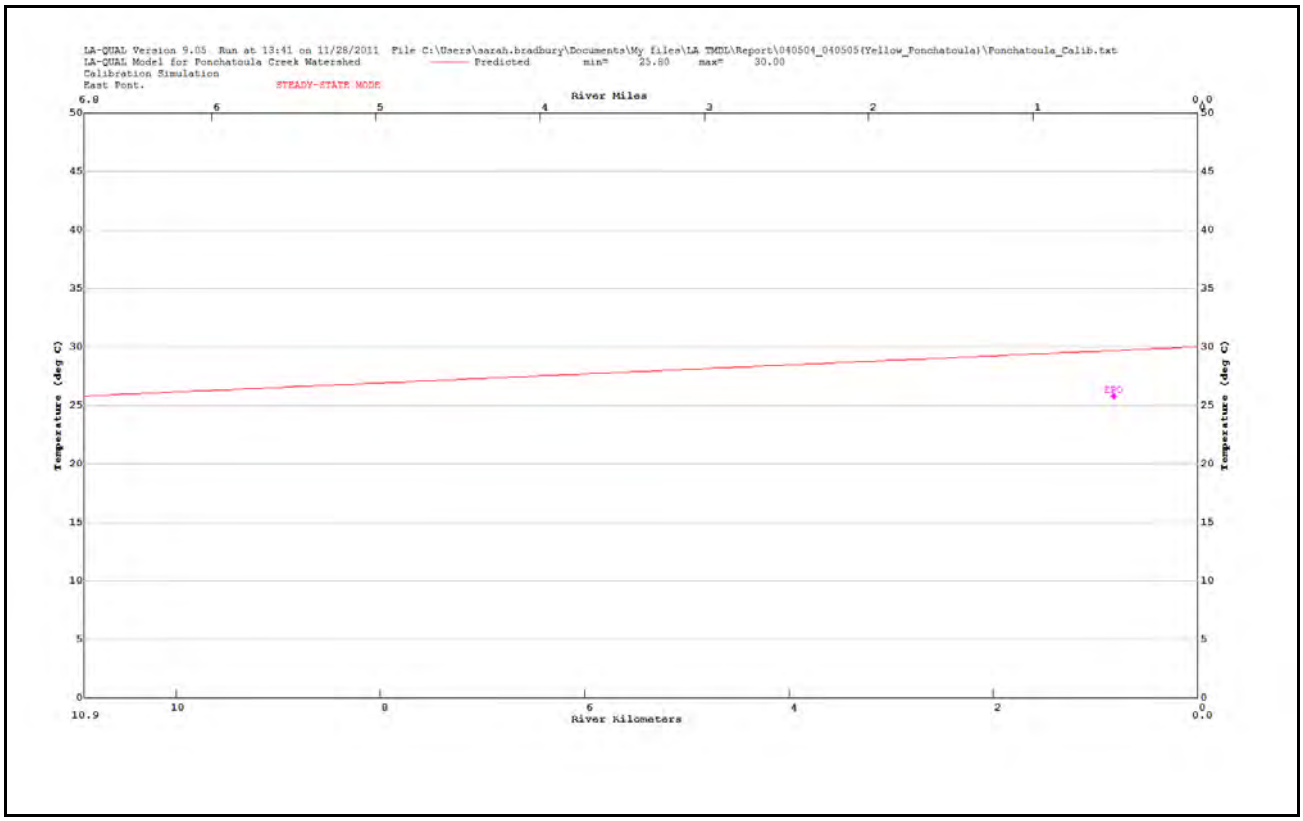

Figure F-7. Temperature calibration results for East Ponchatoula Creek in subsegment 040505.

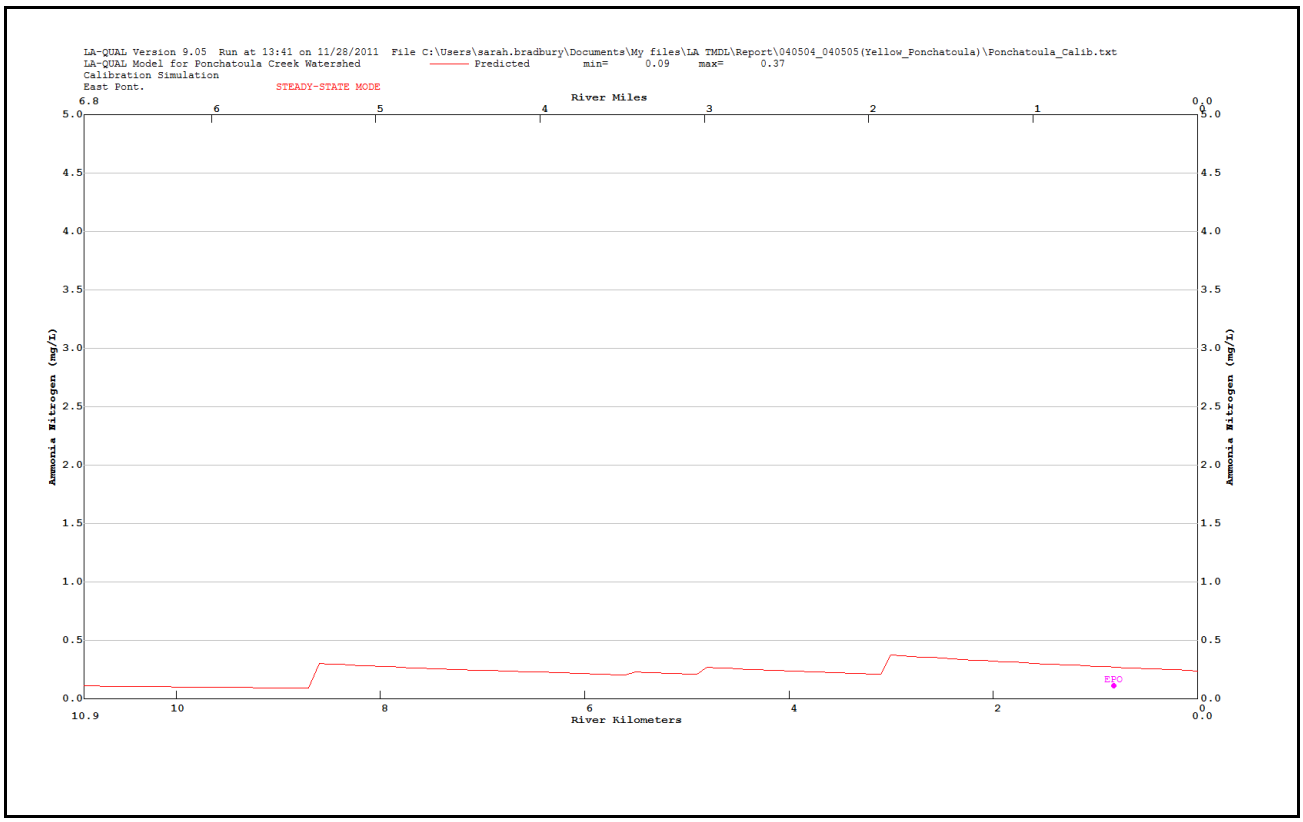

Figure F-8. Ammonia calibration results for East Ponchatoula Creek in subsegment 040505.

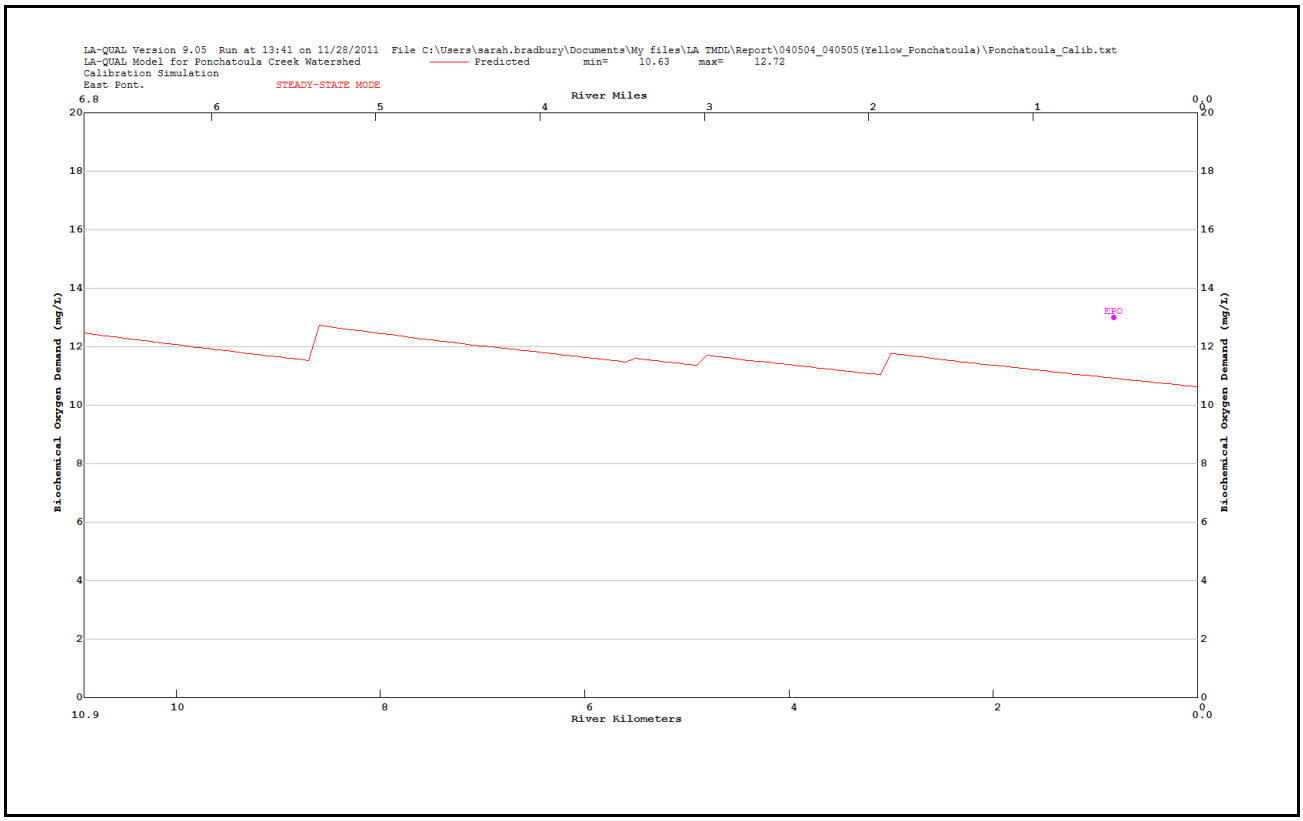

Figure F-9. $CBOD_u$ calibration results for East Ponchatoula Creek in subsegment 040505.

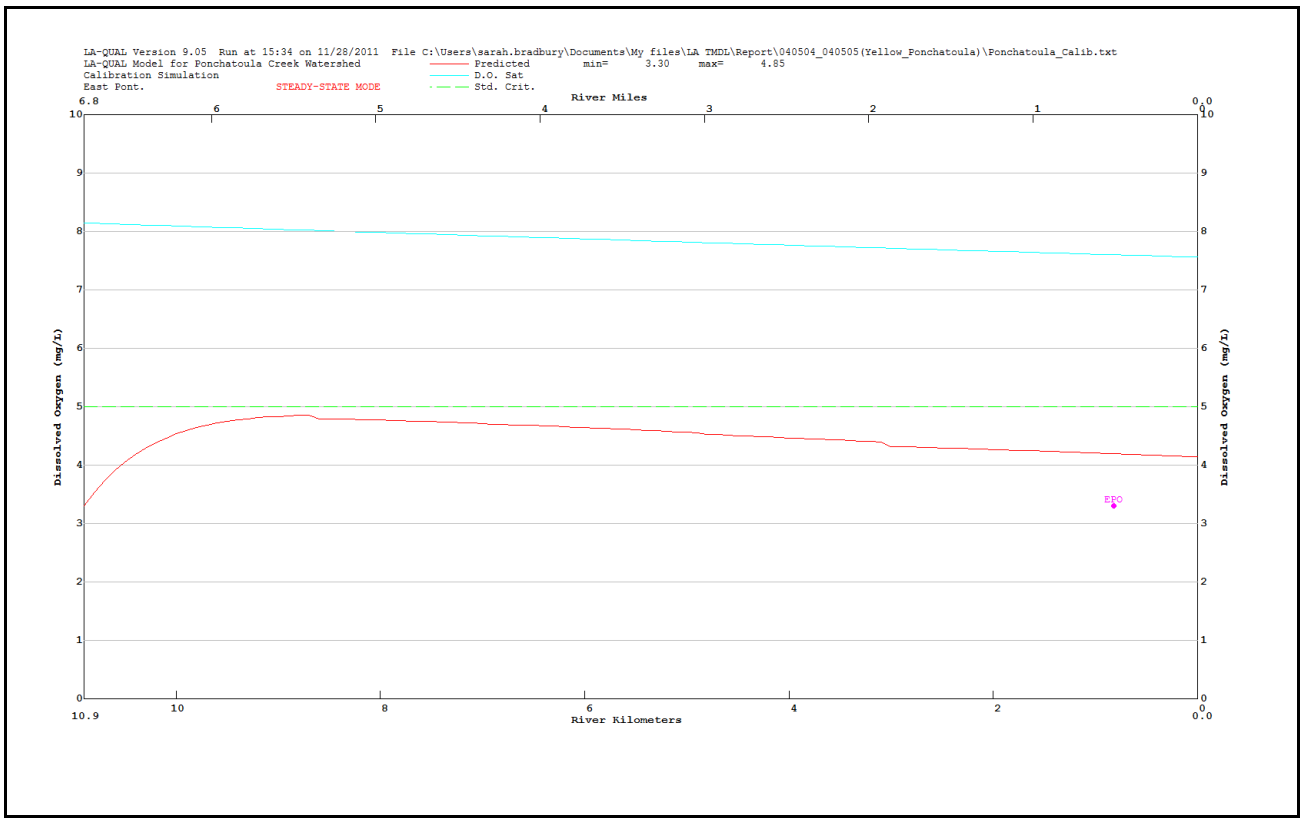

Figure F-10. DO calibration results for East Ponchatoula Creek in subsegment 040505.

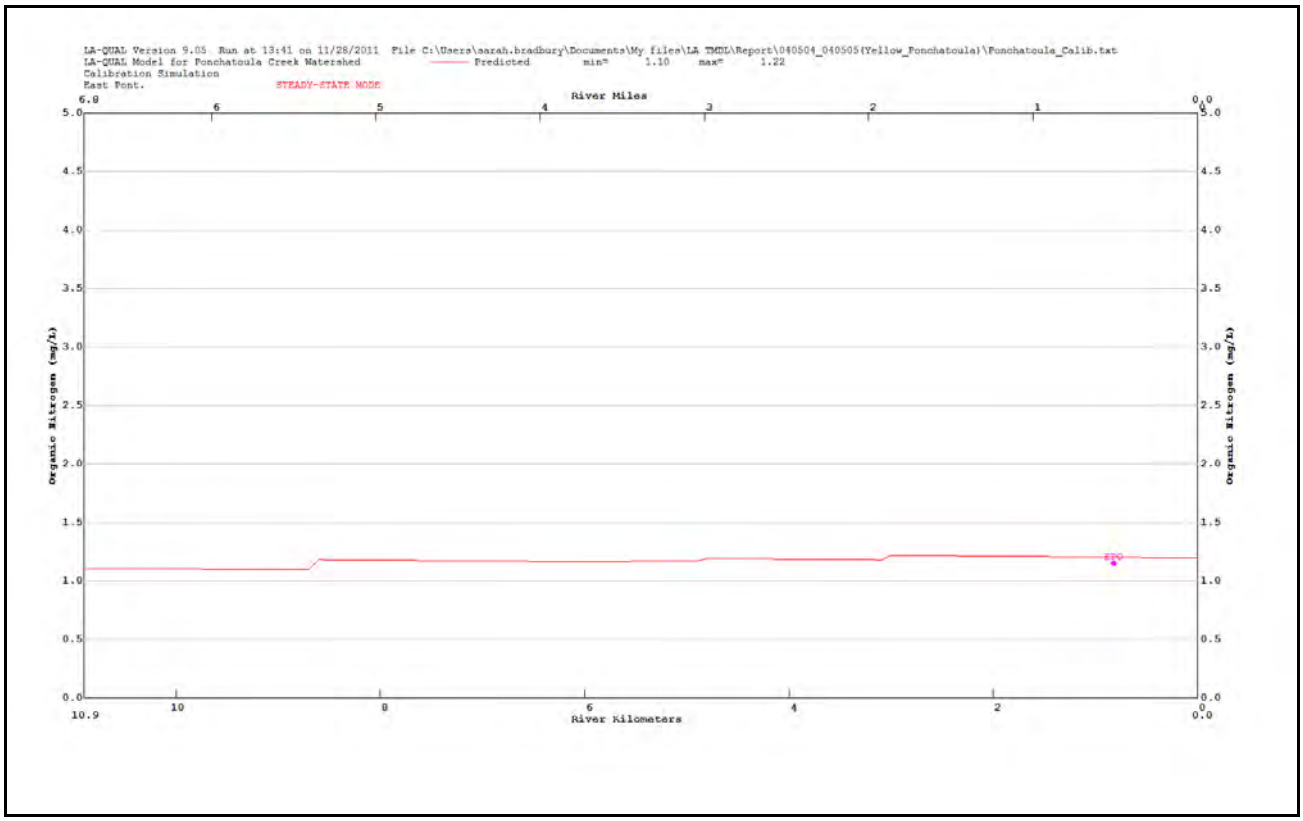

Figure F-11. Organic nitrogen calibration results for East Ponchatoula Creek in subsegment 040505.

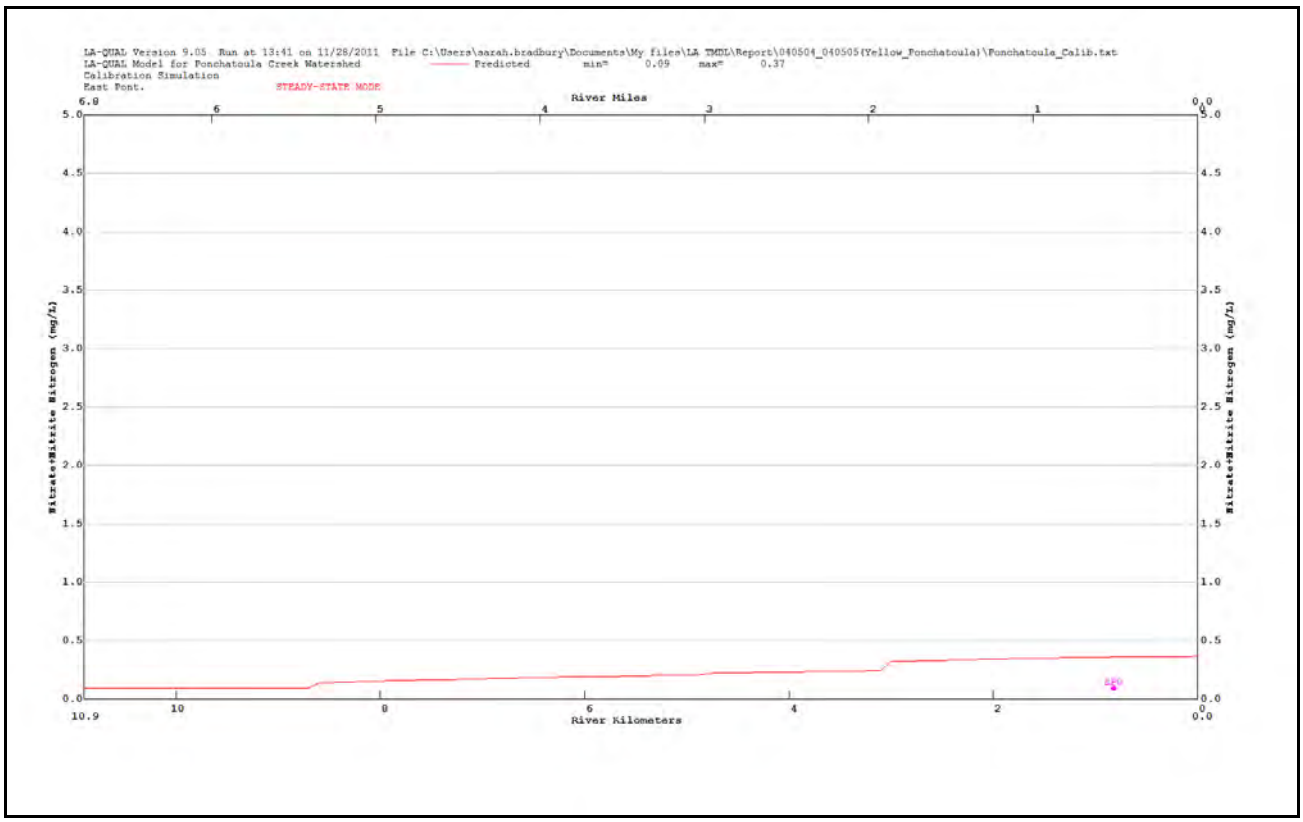

Figure F-12. Nitrate+nitrite calibration results for East Ponchatoula Creek in subsegment 040505.

APPENDIX G:
Sensitivity Analysis Plots

FIGURES

Figure G-1. DO sensitivity results (BOD aerobic decay rate) for Ponchatoula Creek in subsegment 040505. ..... G-1
Figure G-2. DO sensitivity results (dispersion) for Ponchatoula Creek in subsegment 040505. ..... G-1
Figure G-3. DO sensitivity results (reaeration) for Ponchatoula Creek in subsegment 040505..... G-2
Figure G-4. DO sensitivity results (background SOD) for Ponchatoula Creek in subsegment 040505. ..... G-2
Figure G-5. DO sensitivity results (stream velocity) for Ponchatoula Creek in subsegment 040505... G-3
Figure G-6. DO sensitivity results (nitrification rate) for Ponchatoula Creek in subsegment 040505... G-3
Figure G-7. BOD sensitivity results (BOD aerobic decay rate) for Ponchatoula Creek in subsegment 040505. ..... G-4
Figure G-8. BOD sensitivity results (dispersion) for Ponchatoula Creek in subsegment 040505. ..... G-4
Figure G-9. BOD sensitivity results (reaeration) for Ponchatoula Creek in subsegment 040505. ..... G-5
Figure G-10. BOD sensitivity results (background SOD) for Ponchatoula Creek in subsegment 040505. ..... G-5
Figure G-11. BOD sensitivity results (stream velocity) for Ponchatoula Creek in subsegment 040505. ..... G-6
Figure G-12. BOD sensitivity results (nitrification rate) for Ponchatoula Creek in subsegment 040505. ..... G-6

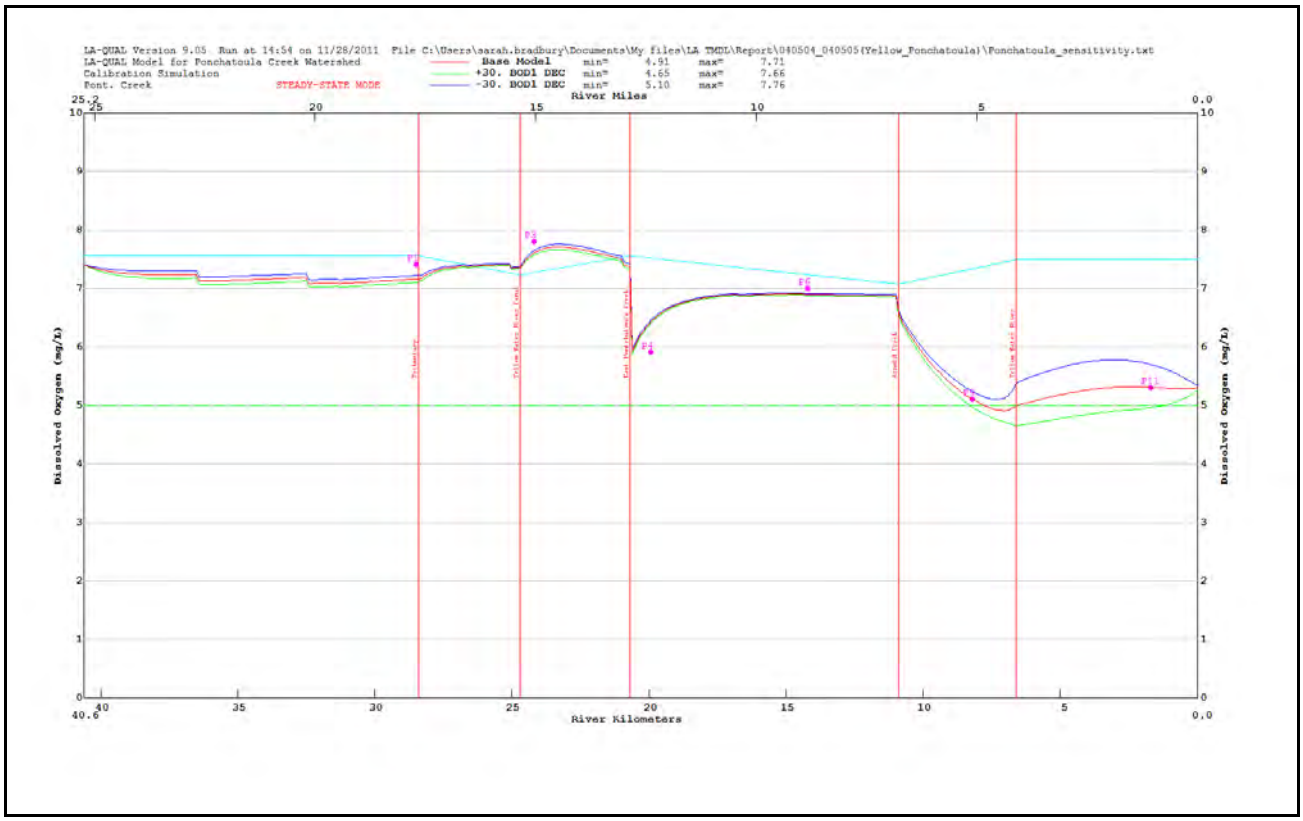

Figure G-1. DO sensitivity results (BOD aerobic decay rate) for Ponchatoula Creek in subsegment 040505.

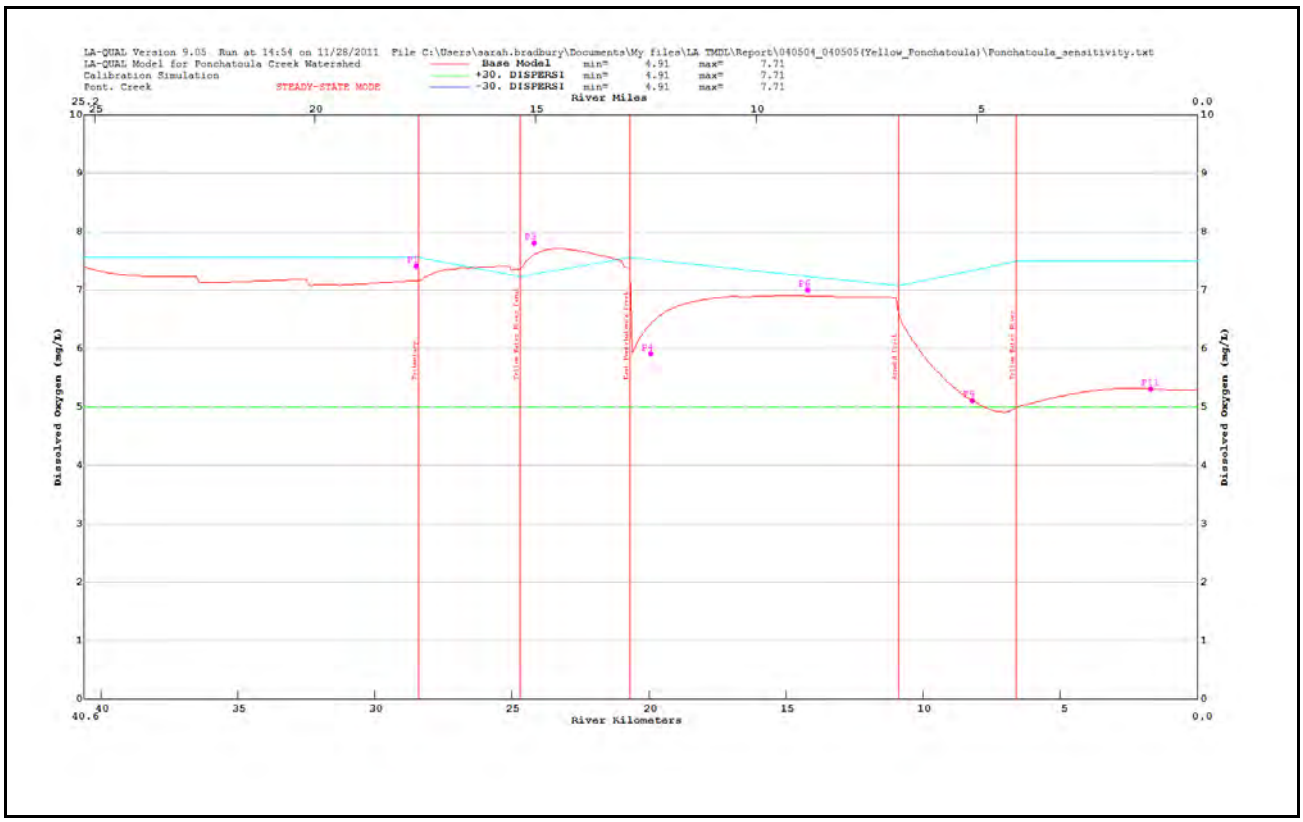

Figure G-2. DO sensitivity results (dispersion) for Ponchatoula Creek in subsegment 040505.

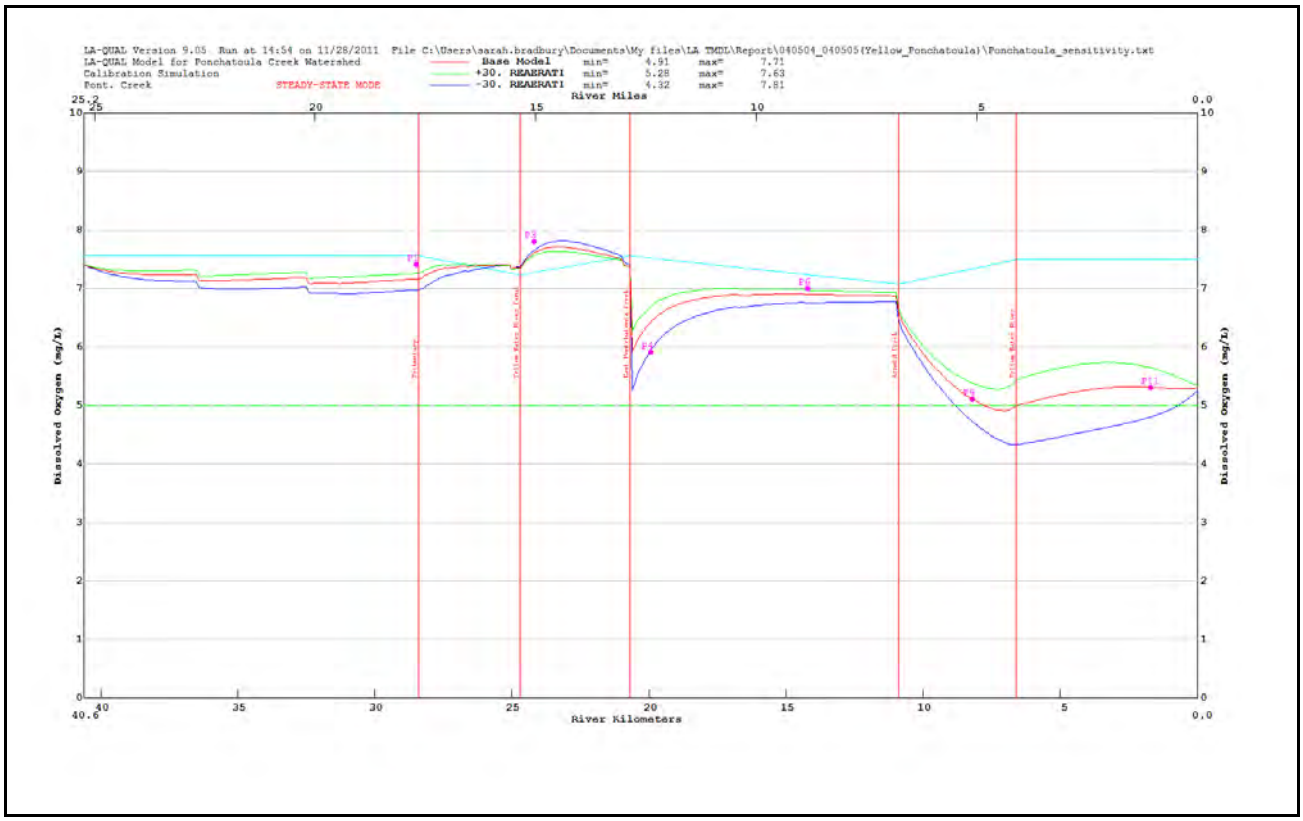

Figure G-3. DO sensitivity results (reaeration) for Ponchatoula Creek in subsegment 040505.

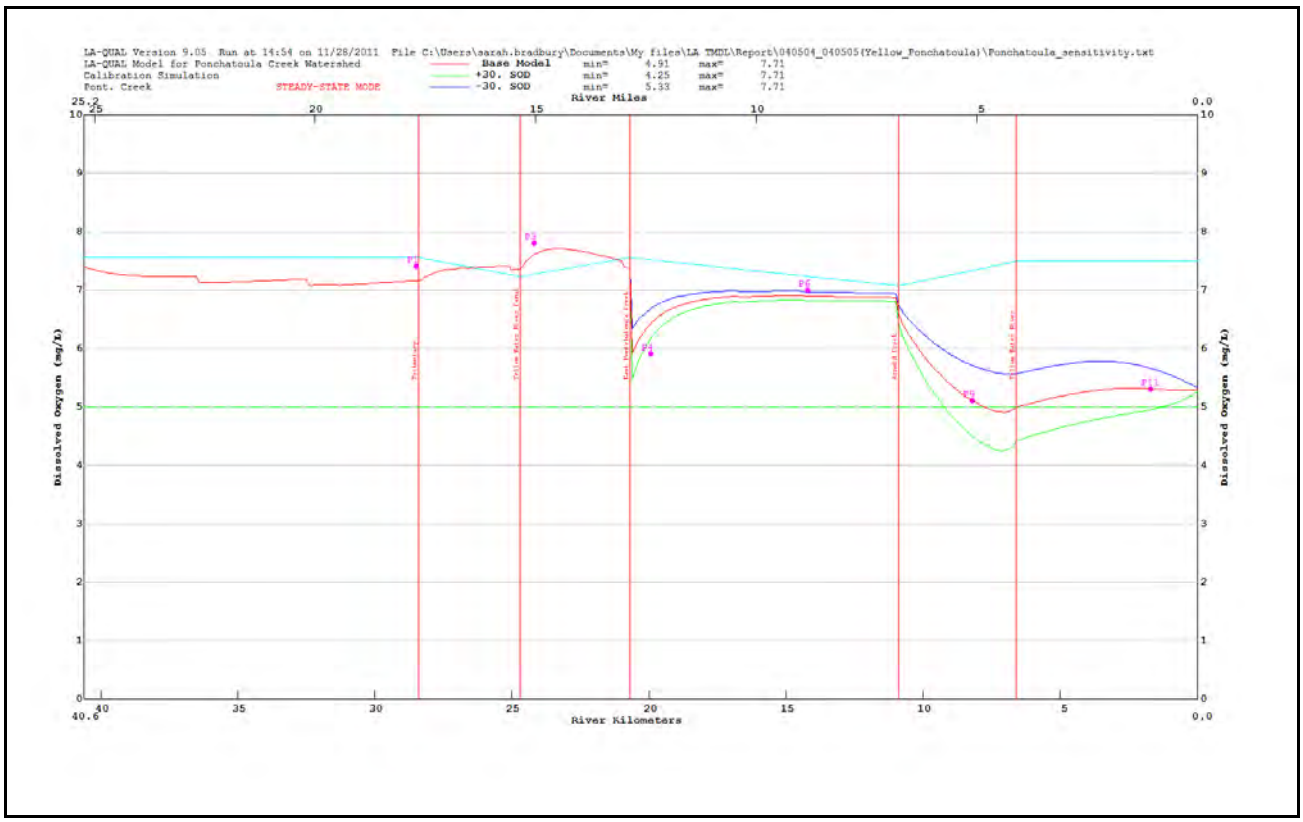

Figure G-4. DO sensitivity results (background SOD) for Ponchatoula Creek in subsegment 040505.

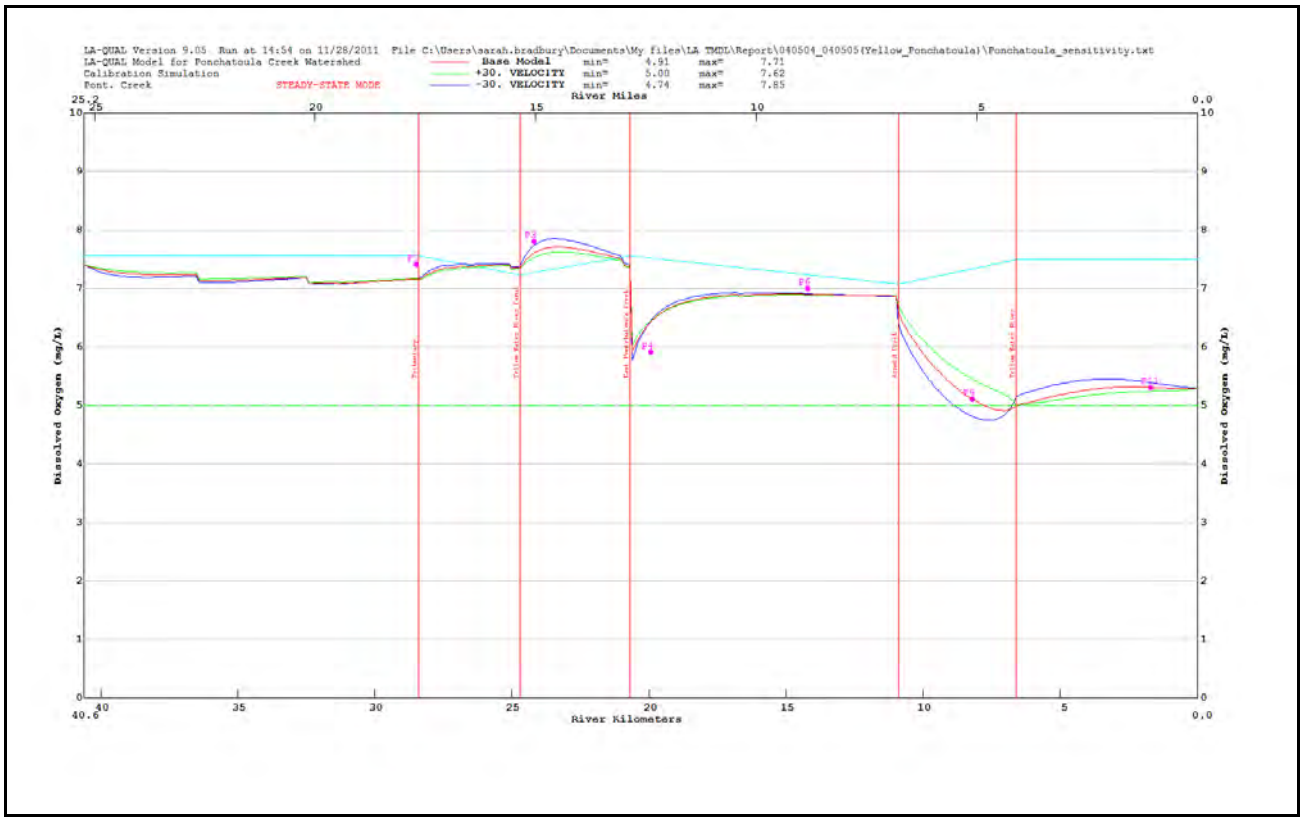

Figure G-5. DO sensitivity results (stream velocity) for Ponchatoula Creek in subsegment 040505.

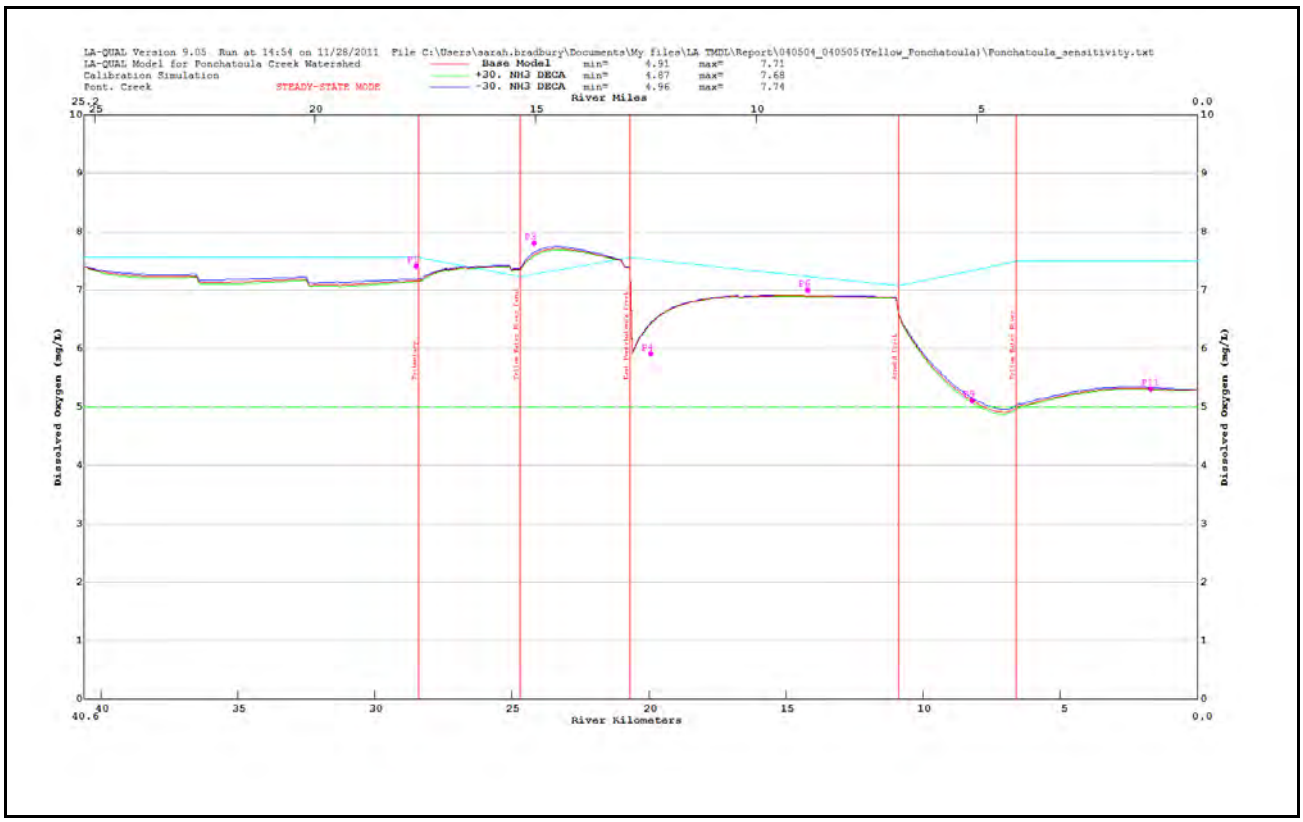

Figure G-6. DO sensitivity results (nitrification rate) for Ponchatoula Creek in subsegment 040505.

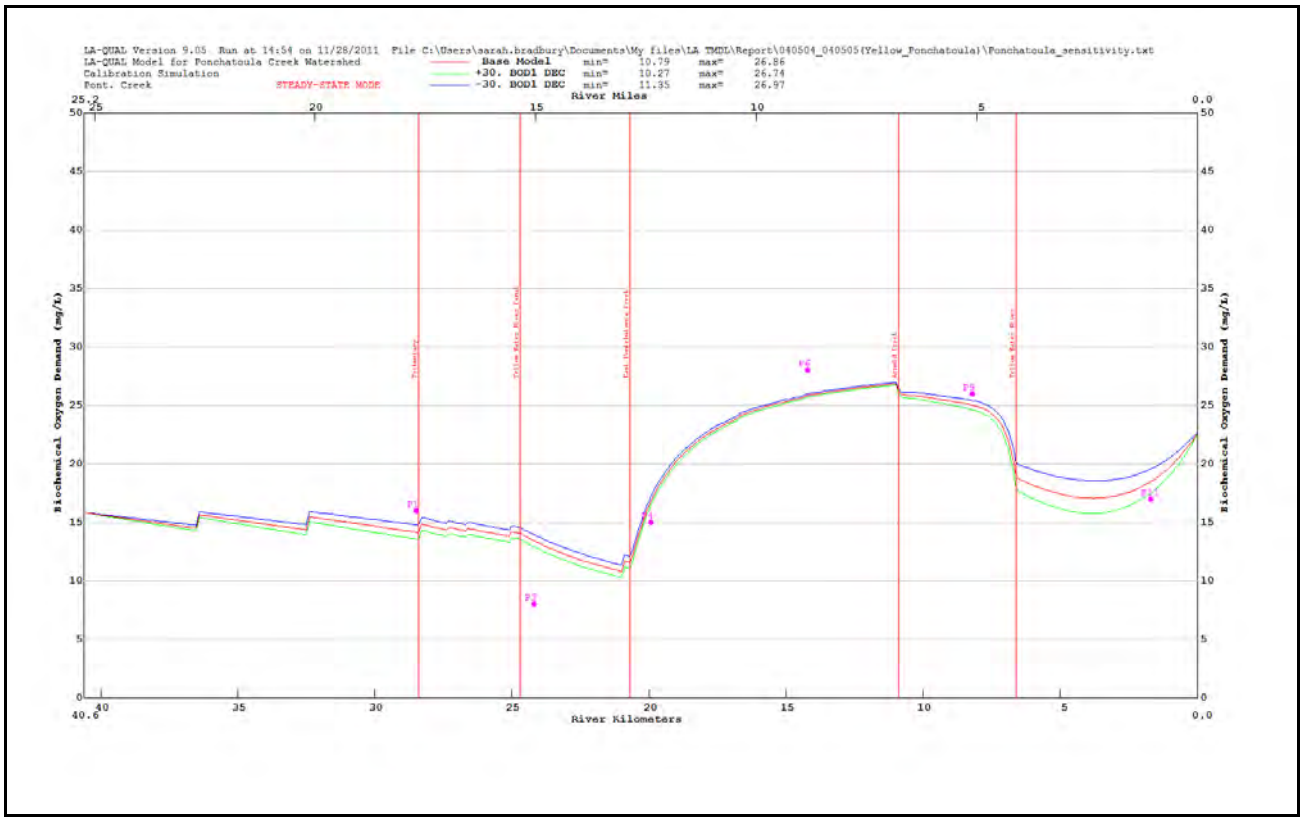

Figure G-7. BOD sensitivity results (BOD aerobic decay rate) for Ponchatoula Creek in subsegment 040505.

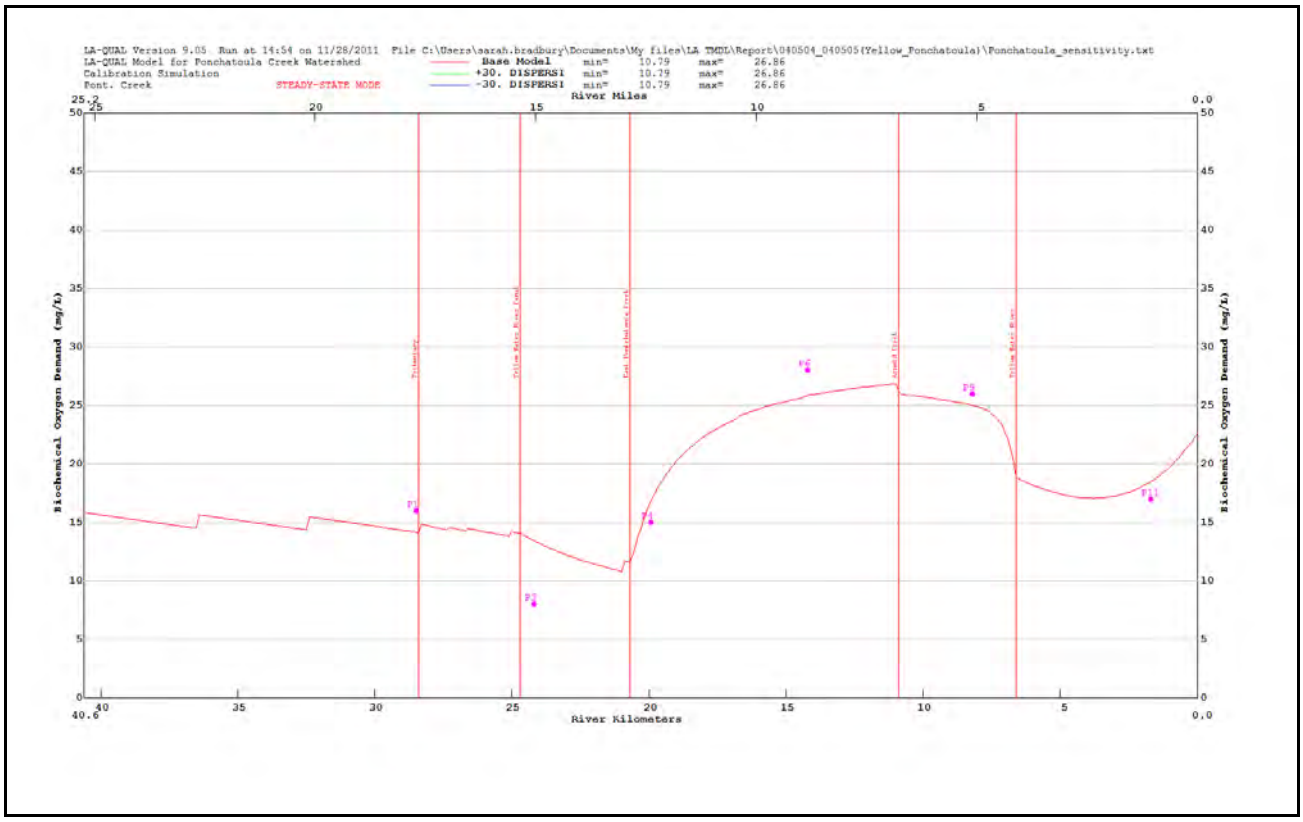

Figure G-8. BOD sensitivity results (dispersion) for Ponchatoula Creek in subsegment 040505.

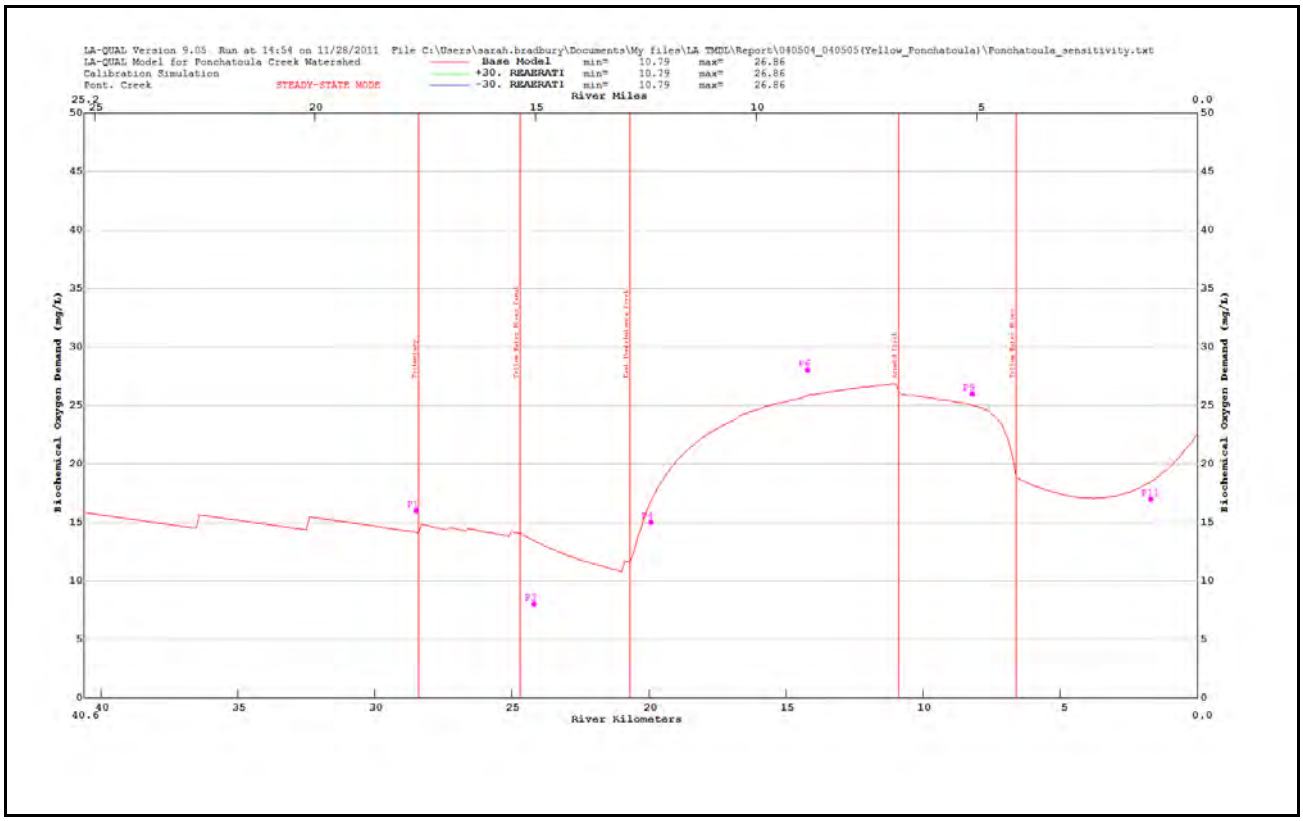

Figure G-9. BOD sensitivity results (reaeration) for Ponchatoula Creek in subsegment 040505.

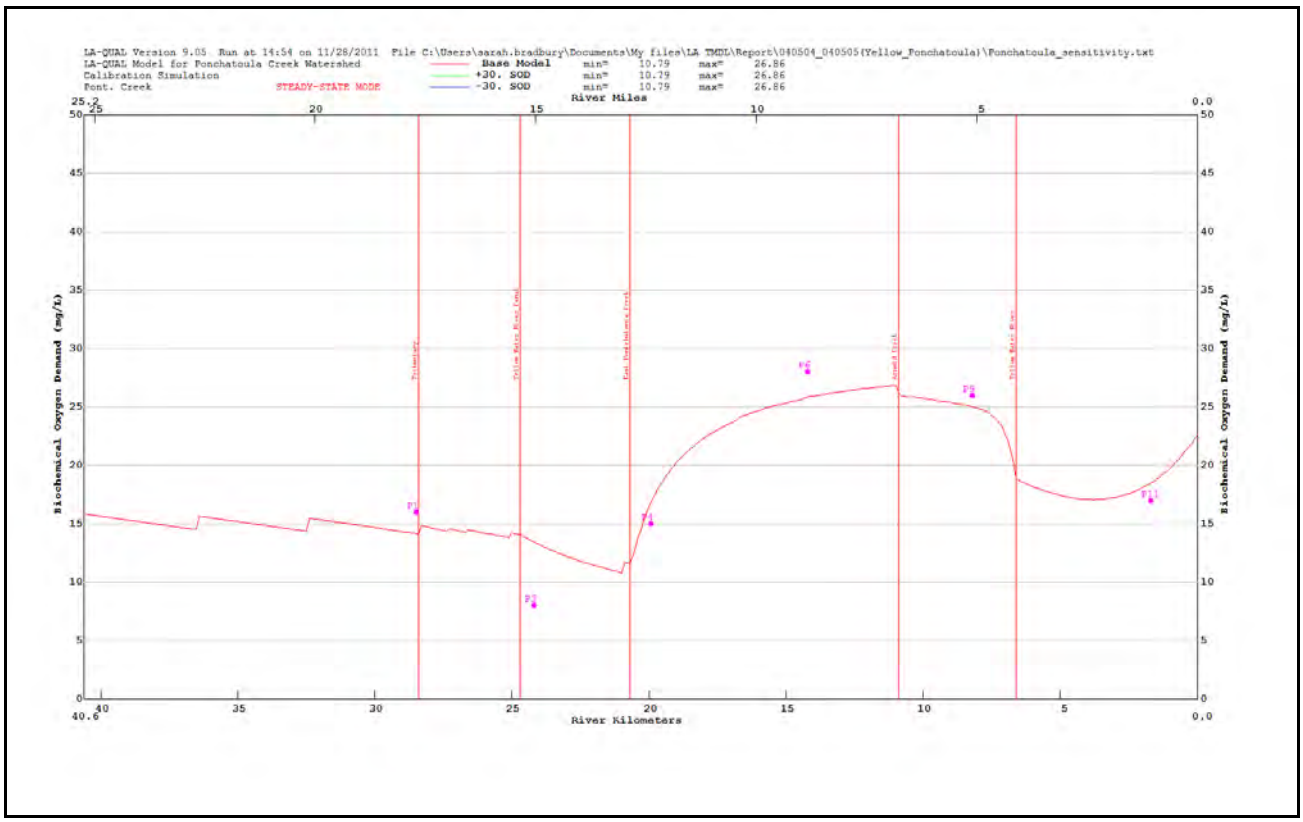

Figure G-10. BOD sensitivity results (background SOD) for Ponchatoula Creek in subsegment 040505.

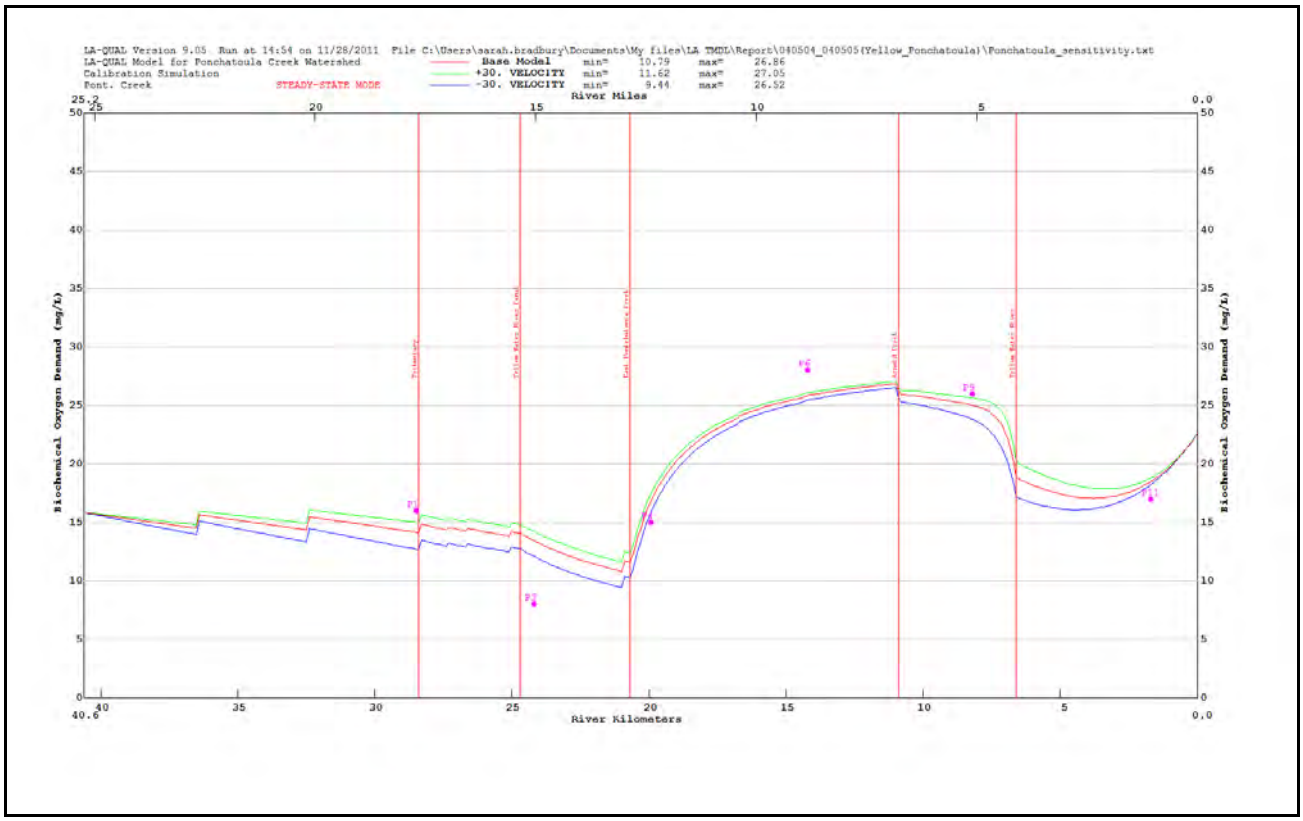

Figure G-11. BOD sensitivity results (stream velocity) for Ponchatoula Creek in subsegment 040505.

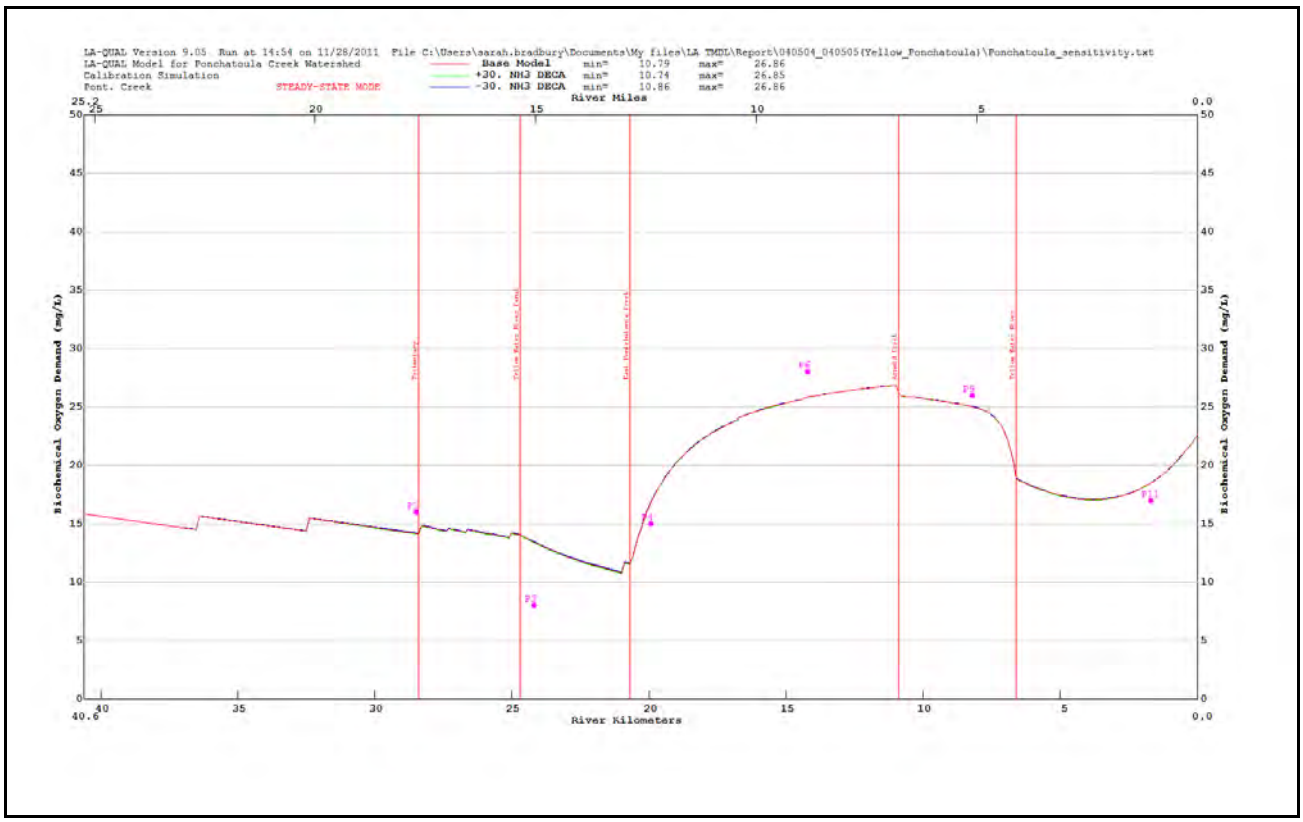

Figure G-12. BOD sensitivity results (nitrification rate) for Ponchatoula Creek in subsegment 040505.

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

```
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
```

```
$$$ DATA TYPE 8 (REACH IDENTIFICATION DATA) $$$
                                                        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
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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
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	0.3	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

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
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																												
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 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	7.04	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 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	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
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STREAM SUMMARY REPORT: Pont. Trib.

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 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
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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
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 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
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	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
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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                 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
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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
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						

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

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
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

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 m^3/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 m^2/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 $g/m^2/d$
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																														

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
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. 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 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 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 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 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	0.02830	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 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
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 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	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
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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
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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
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 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          DO      BOD1      BOD2     ORG-N     NH3-N     NO3-N     ORG-P     PO4-P     CHL A     PERIP       NCM
                                      m³/s        kg/d      kg/d      kg/d      kg/d      kg/d      kg/d      kg/d      kg/d

 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
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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