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Site: Industriplex
Break: C4
Other: 33594

HEC-1

25 Year, 24 Hour Storm

1

****

FLOOD HYDROGRAPH PACKAGE HEC-1 (IBM XT 512K VERSION) -FEB 1,1985
U.S. ARMY CORPS OF ENGINEERS, THE HYDROLOGIC ENGINEERING CENTER, 609 SECOND STREET, DAVIS, CA. 95616

****

THIS HEC-1 VERSION CONTAINS ALL OPTIONS EXCEPT ECONOMICS, AND THE NUMBER OF PLANS ARE REDUCED TO 3

1

HEC-1 INPUT

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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  1           ID        ISRT, WOBURN, MASSACHUSETTS
  2           ID        ON-SITE SUBWATERSHEDS
  3           ID        DETAILED STORAGE AND STREAM NETWORK
  4           ID        EXISTING CONDITIONS - 25 YR, 24 HR STORM
              *DIAGRAM
  5           IT      15 28FEB91     100      97
  6           IN      15 28FEB91     100
  7           IO       5

  8           KK      5E
  9           KO       1
 10           KM        DIRECT INPUT HYDROGRAPH FOR FLOW FROM 5E
 11           BA    0.07
 12           QI       0       0       0       0       0       0       0       0       0       0
 13           QI       0       0       0       0       0       0       0       0       0       0
 14           QI       0       0       0       0       0       0       0       0       0       0
 15           QI       0       0       0       0       0       0       0       0       0       1
 16           QI       1       1       1       2       2       3       5       8      16      39
 17           QI      61      52      36      25      18      13      10       9       8       7
 18           QI       6       6       6       6       6       6       5       5       5       5
 19           QI       5       5       4       4       3       3       3       3       2       2
 20           QI       2       2       2       2       2       2       2       2       2       2
 21           QI       2       2       2       2       2       2       2

 22           KK   6CSWP
 23           KO       1
 24           KM        DIRECT INPUT HYDROGRAPH FOR FLOW FROM READING, UNDER RTE 93
 25           BA    0.93
 26           QI       0       0       0       0       0       0       0       0       0       0
 27           QI       0       0       0       0       0       0       0       0       0       0
 28           QI       0       0       0       0       0       0       0       0       0       0
 29           QI       0       0       0       0       0       0       0       0       0       1
 30           QI       2       3       5       7       9      14      22      35      65     122
 31           QI     146     157     163     165     166     166     166     165     164     162
 32           QI     160     158     155     152     147     139     129     119      75      56
 33           QI      52      49      47      44      40      36      33      31      28      27
 34           QI      26      25      24      24      23      23      23      22      22      22
 35           QI      22      21      21      21      21      21      21

 36           KK     NB1
 37           KO       1
 38           KM        SCS RUNOFF CALCULATION
 39           BA   0.015
 40           PH               0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
 41           LS              78
 42           UD    0.44
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 43          KK   6CNB1
 44          KM        COMBINE HYDROGRAPHS FOR 5E, 6CSWP AND NB1
 45          HC       3
1                                        HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


 46          KK  NB1CHL
 47          KO       1
 48          KM        STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL
 49          RS       1    STOR       0
 50          RC    0.08    0.03    0.08     400  0.0063    69.5
 51          RX       0       5      10      11      17      18      23      28
 52          RY    70.5      70    69.5    67.5    67.5    69.5      70    70.5

 53          KK     NB2
 54          KO       1
 55          KM        SCS RUNOFF CALCULATION
 56          BA   0.009
 57          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
 58          LS             70
 59          UD    0.49

 60          KK  NB1NB2
 61          KM        COMBINE HYDROGRAPHS FOR NB1CHL & NB2
 62          HC       2

 63          KK  NB2CHL
 64          KO       1
 65          KM        STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL
 66          RS       1    STOR       0
 67          RC   0.080   0.030   0.080     500   0.003      66
 68          RX       0       5      10      11      17      18      23      28
 69          RY      67    66.5      66      64      64      66    66.5      67

 70          KK     NB3
 71          KO       1
 72          KM        SCS RUNOFF CALCULATION
 73          BA   0.004
 74          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
 75          LS             70
 76          UD    0.34

 77          KK  NB3CHL
 78          KO       1
 79          KM        STORAGE ROUTING THROUGH RTE 93 E/W CHANNEL
 80          RS       1    STOR       0
 81          RC   0.080   0.030   0.080     430   0.007      67
 82          RX       0       5      10      11      14      15      20      25
 83          RY      68    67.5      67      66      66      67    67.5      68

 84          KK     NB5
 85          KO       1
 86          KM        SCS RUNOFF CALCULATION
 87          BA   0.017
 88          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
 89          LS             79
 90          UD    0.32
1                                        HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


 91          KK  NB5SWP
 92          KO       1
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 93          KM        ROUTING THROUGH WETLAND 3B
 94          RS       1    ELEV    67.2
 95          SA   1.084   1.586   3.737
 96          SE    66.5    67.2    68.2
 97          SS    68.1      30     3.0     1.5

 98          KK     NB4
 99          KO       1
100          KM        SCS RUNOFF CALCULATION
101          BA   0.036
102          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
103          LS             78
104          UD    0.45

105          KK  NB2345
106          KM        COMBINE HYDROGRAPHS FOR NB2CHL, NB3CHL, NB5SWP & NB4
107          HC       4

108          KK  NB4CHL
109          KO       1
110          KM        STORAGE ROUTING THROUGH NORTH BRANCH TO COMMERCE WAY
111          RS       1    ELEV    61.6
112          SA       0   0.514   0.743   0.912   1.300
113          SE    61.6      64    64.5      65      66
114          SL    62.6    3.14     0.6     0.5
115          SS    64.9       0     3.0     1.5

116          KK    HP3A
117          KO       1
118          KM        SCS RUNOFF CALCULATION
119          BA   0.035
120          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
121          LS             80
122          UD    0.50

123          KK   5DSWP
124          KO       1
125          KM        DIRECT INPUT OF HYDROGRAPH FROM UPPER SOUTH POND
126          BA   0.262
127          QI       0       0       0       0       0       0       0       0       0       0
128          QI       0       0       0       0       0       1       1       2       2       2
129          QI       3       3       3       3       3       3       3       4       4       4
130          QI       4       4       4       4       4       4       4       5       5       5
131          QI       5       6       6       7       7       8       9      10      12      17
132          QI      25      35      37      39      40      40      41      41      41      41
133          QI      41      41      41      41      40      40      40      40      40      40
134          QI      39      39      39      39      38      38      38      37      37      37
135          QI      36      36      35      35      33      32      31      30      30      29
136          QI      28      27      27      26      26      25      25
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

137          KK  HP3A45
138          KM        COMBINE HYDROGRAPHS FOR 5DSWP & HP3A
139          HC       2

140          KK  HP3ASP
141          KO       1
142          KM        ROUTING THROUGH E/W HIDE PILE WETLAND
143          RS       1    ELEV    69.4
144          SA   1.885   3.173   7.358
145          SE      69      70    71.5
146          SL    70.2    1.23     0.6     0.5
147          SS    74.2       0     3.0     1.5
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148        KK    HP3B
149        KO       1
150        KM        SCS RUNOFF CALCULATION
151        BA   0.013
152        PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
153        LS             76
154        UD    0.19

155        KK  HP3AB4
156        KM        COMBINE HYDROGRAPHS FOR HP3ASP & HP3B
157        HC       2

158        KK  HP3BCH
159        KO       1
160        KM        STORAGE ROUTING THROUGH HP3B CHANNEL
161        RS       1    STOR       0
162        RC    0.08    0.03    0.08     600  0.0013      74
163        RX       0       5      10      15      20      25      30      35
164        RY      74      73      72      67      67      72      73      74

165        KK     SB5
166        KO       1
167        KM        SCS RUNOFF CALCULATION
168        BA   0.015
169        PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
170        LS             85
171        UD    0.26

172        KK  SB5SWP
173        KO       1
174        KM        STORAGE ROUTING THROUGH WETLAND 3C
175        RS       1    ELEV    62.4
176        SA   1.020   2.247   3.131   3.834
177        SE      62      63      64    65.0
178        SL    62.4    1.23     0.6     0.5
179        SS    64.9      30     3.0     1.5
1                                        HEC-1 INPUT

LINE       ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


180        KK     CW1
181        KO       1
182        KM        SCS RUNOFF CALCULATION
183        BA   0.011
184        PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
185        LS             80
186        UD    0.17

187        KK  HP3NB4
188        KM        COMBINE HYDROGRAPHS FOR HP3B & NB4 CHANNELS, SB5SWP & CW1
189        HC       4

190        KK  CW1CHL
191        KO       1
192        KM        STORAGE ROUTING THROUGH CW1 CHANNEL
193        RS       1    ELEV      61
194        SA       0   0.017   0.135    .214    .260
195        SE      61      63      64      65      66
196        SL    62.6   12.57     0.6     0.5
197        SS    65.9       0     3.0     1.5

198        KK     CW2
199        KO       1
200        KM        SCS RUNOFF CALCULATION
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201          BA   0.026
202          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
203          LS             92
204          UD    0.16

205          KK   CW2IN
206          KM        COMBINE HYDROGRAPHS FOR INFLOW TO CW2 AND CW2 RUNOFF
207          HC       2

208          KK   CW2CH
209          KO       1
210          KM        STORAGE ROUTINGTHROUGH CW2 CHANNEL
211          RS       1    ELEV    59.9
212          SA       0   0.082   0.129   0.178   0.225   0.241
213          SE    59.9      61      63      65      67    67.7
214          SL    61.8   12.57     0.6     0.5
215          SS    67.5      30     3.0     1.5

216          KK   SB3&4
217          KO       1
218          KM        SCS RUNOFF CALCULATION - SB3 & SB4
219          BA   0.017
220          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
221          LS             87
222          UD    0.07
1                                          HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


223          KK  SB34PD
224          KO       1
225          KM        STORAGE ROUTING THROUGH SB3 & SB4
226          RS       1    ELEV    59.1
227          SA    .228    .484   1.708
228          SE    63.5    65.7      66
229          SS    65.9      40     3.0     1.5

230          KK  C2SB34
231          KM        COMBINE HYDROGRAPHS FOR CW2 CHANNEL & SB34POND
232          HC       2

233          KK  SB34CH
234          KO       1
235          KM        STORAGE ROUTING THROUGH COMMERCE WAY at SB34
236          RS       1    ELEV    59.1
237          SA       0    .033   0.064    .095    .123
238          SE    59.1      60      62      64      66
239          SL    61.4   12.57     0.6     0.5
240          SS    65.9       0     3.0     1.5

241          KK  HB4BCL
242          KO       1
243          KM        STORAGE ROUTING THROUGH COMMERCE WAY AT HB4B
244          RS       1    ELEV    57.8
245          SA       0    .047    .067    .088    .110    .128
246          SE    57.8      59      61      63      65    66.8
247          SL      59   12.57     0.6     0.5
248          SS    66.7       0     3.0     1.5

249          KK     SB7
250          KO       1
251          KM        SCS RUNOFF CALCULATION
252          BA   0.014
253          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
254          LS             73
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255          UD    0.25

256          KK     SB6
257          KO       1
258          KM        SCS RUNOFF CALCULATION
259          BA   0.004
260          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
261          LS             73
262          UD    0.21

263          KK    SB67
264          KM        COMBINE HYDROGRAPHS FOR SB6 & SB7
265          HC       2
1                                        HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


266          KK   SB7CH
267          KO       1
268          KM        STORAGE ROUTING THROUGH SB7 CHANNEL
269          RS       1    STOR       0
270          RC    0.08    0.03    0.08     900   0.002      70
271          RX       0       5      10      13      18      21      26      31
272          RY      71    70.5      70      67      67      70    70.5      71

273          KK     SB1
274          KO       1
275          KM        SCS RUNOFF CALCULATION
276          BA   0.032
277          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
278          LS             88
279          UD    0.15

280          KK     SB2
281          KO       1
282          KM        SCS RUNOFF CALCULATION
283          BA   0.011
284          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
285          LS             95
286          UD    0.06

287          KK  SB1267
288          KM        COMBINE HYDROGRAPHS FOR SB1, SB2, SB7CH & SB34CH
289          HC       4

290          KK   BCSWP
291          KO       1
292          KM        DIRECT INPUT HYDROGRAPH FROM READING, UNDER RTE 93
293          BA    1.43
294          QI       0       0       0       0       0       0       0       0       1       3
295          QI       4       6       7       8       9      10      10      10      10      10
296          QI      11      11      11      11      11      11      11      11      11      11
297          QI      11      11      11      11      11      11      12      13      14      16
298          QI      19      22      25      29      35      42      54      73     112     207
299          QI     342     429     445     422     383     346     314     291     274     262
300          QI     253     246     241     237     233     228     223     218     212     206
301          QI     199     192     184     172     154     138     124     112     101      93
302          QI      86      81      77      73      71      69      67      65      64      63
303          QI      62      61      60      59      58      57      57

304          KK  CW2&PP
305          KM        COMBINE HYDROGRAPHS FOR PHILLIPS POND
306          HC       2

307          KK   PHPND
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308          KO       1
309          KM        STORAGE ROUTING THROUGH PHILLIPS POND
310          RS       1    ELEV      57
311          SA   3.914   4.830   5.514   7.530   8.809  11.892
312          SE      57    59.5    60.6      62      64      66
313          SL    57.5   14.14     0.6     0.5
1                                          HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

314          SS    65.9      40     3.0     1.5

315          KK     HP4
316          KO       1
317          KM        SCS RUNOFF CALCULATION
318          BA   0.013
319          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
320          LS             76
321          UD    0.34

322          KK  HP4SWP
323          KO       1
324          KM        ROUTING THROUGH WET AREA NEAR ARSENIC POND
325          RS       1    ELEV    69.9
326          SA   0.334   0.632   1.897
327          SE      68      69      70
328          SS    69.9      30     3.0     1.5

329          KK     HP5
330          KO       1
331          KM        SCS RUNOFF CALCULATION
332          BA   0.015
333          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
334          LS             84
335          UD    0.19

336          KK    HP45
337          KM        COMBINE HYDROGRAPH FOR HP4SWP & HP5
338          HC       2

339          KK  HP5SWP
340          KO       1
341          KM        SCS RUNOFF CALCULATION
342          RS       1    ELEV      68
343          SA       0   0.304
344          SE      68      69
345          SS    68.9      15     3.0     1.5

346          KK    HB3A
347          KO       1
348          KM        SCS RUNOFF CALCULATION
349          BA    0.02
350          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
351          LS             85
352          UD    0.26

353          KK    HB3B
354          KO       1
355          KM        SCS RUNOFF CALCULATION
356          BA    0.01
357          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
358          LS             88
359          UD    0.10
1                                          HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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```
360          KK   HB3AB
361          KM        COMBINE HYDROGRAPHS FOR HB3A & HB3B
362          HC       2

363          KK  HB3BSP
364          KO       1
365          KM        STORAGE ROUTING THROUGH HB3B DEPRESSION
366          RS       1    ELEV    68.8
367          SA       0   0.745   1.868
368          SE    68.8    69.2    69.5
369          SS    69.4      40     3.0     1.5

370          KK    HB3C
371          KO       1
372          KM        SCS RUNOFF CALCULATION
373          BA    0.01
374          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
375          LS             76
376          UD    0.28

377          KK  HB3ABC
378          KM        COMBINE HYDROGRAPHS FOR HB3B DEPRESSION & HB3C
379          HC       2

380          KK  CRMLGN
381          KO       1
382          KM        STORAGE ROUTING THROUGH CHROMIUM LAGOONS
383          RS       1    ELEV      60
384          SA   0.298   0.425   0.735   1.211
385          SE      59    60.2      62      63
386          SS    62.9      40     3.0     1.5

387          KK    HB4A
388          KO       1
389          KM        SCS RUNOFF CALCULATION
390          BA   0.023
391          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
392          LS             84
393          UD    0.25

394          KK   SHD10
395          KM        COMBINE HYDROGRAPHS FOR HB4A, HP5SWP & CHROMIUM LAGOONS
396          HC       3

397          KK  SHD10C
398          KO       1
399          KM        STORAGE ROUTING THROUGH ATLANTIC AVENUE CHANNEL at RR TRACKS
400          RS       1    STOR       0
401          RC    0.08    0.03    0.08     800   0.007      63
402          RX       0      10      20      28      42      50      60      70
403          RY      63    62.5      62    54.2    54.2      62    62.5      63
1                                          HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


404          KK    HB4B
405          KO       1
406          KM        SCS RUNOFF CALCULATION
407          BA   0.066
408          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
409          LS             93
410          UD    0.32
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```
411        KK  4DCHAB
412        KO      1
413        KM       DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON
414        BA   0.259
415        QI      0      0      0      0      0      0      0      0      0      0
416        QI      0      0      0      0      0      0      0      0      0      0
417        QI      0      0      0      0      0      0      0      0      0      0
418        QI      0      0      0      0      0      0      0      1      1      1
419        QI      1      2      2      3      3      5      7     12     24     62
420        QI     85     63     43     32     25     21     19     18     17     17
421        QI     17     17     18     18     18     18     19     19     19     19
422        QI     19     19     19     19     18     18     18     17     17     17
423        QI     17     17     17     17     17     17     17     17     17     16
424        QI     16     16     16     16     16     15     15

425        KK   HB1AN
426        KO      1
427        KM       SCS RUNOFF CALCULATION
428        BA   0.008
429        PH             0    0.5    1.1    2.1    2.7    3.0    3.6    4.5    5.2
430        LS            81
431        UD    0.28

432        KK  HB1APX
433        KM       COMBINE HYDROGRAPHS FROM 4DCHAB & HB1AN
434        HC      2

435        KK   PXDPR
436        KO      1
437        KM       ROUTING OF NW WOBURN & WILMINGTON THROUGH PX DEPRESSED AREA
438        RS      1    ELEV   67.4
439        SA      0   0.291  0.721  0.936  0.936
440        SE     68     69     70     71   72.4
441        SL   68.9   7.07    0.6    0.5
442        SS   72.3     30    3.0    1.5

443        KK   4ECHL
444        KO      1
445        KM       DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON
446        BA    0.30
447        QI      0      0      0      0      0      0      0      0      0      0
448        QI      0      0      0      0      0      0      0      0      0      0
449        QI      0      0      0      0      0      0      0      0      0      0
450        QI      0      0      0      0      0      0      1      3      3      4
451        QI      5      6      8     10     12     18     27     42     61     75
452        QI     75     75     75     75     75     75     75     75     75     75
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1 HEC-1 INPUT

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LINE       ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

453        QI     64     48     32     27     27     26     25     24      [illegible]     22
454        QI     21     21     20     18     15     13     12     11      [illegible]     11
455        QI     10     10     10     10      9      9      9      9      [illegible]      9
456        QI      8      8      8      8      8      8      8

457        KK    HB1B
458        KO      1
459        KM       SCS RUNOFF CALCULATION
460        BA   0.021
461        PH             0    0.5    1.1    2.1    2.7    3.0    3.6    4.5    5.2
462        LS            84
463        UD    0.31

464        KK  4EHB1B
465        KM       COMBINE HYDROGRAPHS FROM 4ECHL & HB1B
466        HC      2
```

```
467          KK  EWCLPX
468          KO       1
469          KM        CHANNEL ROUTING THROUGH E/W CHANNEL AT PX REALTY
470          RS       1    STOR       0
471          RC   0.080   0.030   0.080     250  0.0032    70.5
472          RX       0       5      10      16      22      28      38      48
473          RY      72      71      70    64.4    64.4      70    70.2    70.5

474          KK   HB1AS
475          KO       1
476          KM        SCS RUNOFF CALCULATION
477          BA   0.006
478          PH               0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
479          LS              90
480          UD    0.47

481          KK   HB1PX
482          KM        COMBINE HYDROGRAPHS FROM PX DEPRESSED AREA, EWCHPX & HB1AS
483          HC       3

484          KK   HB1CH
485          KO       1
486          KM        STORAGE ROUTING THROUGH N/S CHANNEL at PX REALTY
487          RS       1    ELEV    66.4
488          SA       0   0.016   0.019   0.033   0.041   0.066   0.074
489          SE    66.4    66.5      67    67.5      68      69    69.4
490          SL   59.65    7.07     0.6     0.5
491          SS    69.3       0     3.0     1.5

492          KK  DIHBCH
493          KO       1
494          KM        DIRECT INPUT OF HYDROGRAPH FROM HB1BCH (MODIFIED PEAK)
495          BA    0.66
496          QI       0       6       6       6       6       6       6       6       6       6
497          QI       6       6       6       6       6       6       6       6       6       6
498          QI       6       6       6       6       6       6       6       6       6       6
499          QI       6       6       6       6       6       6       6       6       6       6
500          QI       7      10      11      16      17      26      38      58      88     110
```



```
LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

501          QI     110     110     110     110     110     110     110     110     102      97
502          QI      89      68      56      47      50      47      48      45      46      44
503          QI      43      42      42      39      36      33      32      30      30      29
504          QI      29      28      28      28      28      27      27      27      27      27
505          QI      26      25      25      25      25      25      24

506          KK    HB2A
507          KO       1
508          KM        SCS RUNOFF CALCULATION
509          BA   0.020
510          PH               0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
511          LS              86
512          UD    0.41

513          KK   HB12A
514          KM        COMBINE HYDROGRAPHS FROM HB1 & HB2A
515          HC       2

516          KK  HB2ASP
517          KO       1
518          KM        STORAGE ROUTING THROUGH WET AREA IN B.E. ROW
519          RS       1    ELEV      59
520          SA   0.801   1.178   1.929
```

```
521          SE    59.3      60      62
522          SS      59      10     3.0     1.5

523          KK    HB2B
524          KO       1
525          KM        SCS RUNOFF CALCULATION
526          BA   0.013
527          PH              0     0.5     1.1     2.1     2.7     3.0     3.6     4.5     5.2
528          LS             77
529          UD    0.24
530          ZZ
1
                SCHEMATIC DIAGRAM OF STREAM NETWORK
 INPUT
  LINE      (V) ROUTING          (--->) DIVERSION OR PUMP FLOW

   NO.      (.) CONNECTOR        (<---) RETURN OF DIVERTED OR PUMPED FLOW

    8          SE
               .
               .
   22          .       6CSWP
               .           .
               .           .
   36          .           .         NB1
               .           .           .
               .           .           .
   43       6CNB1.......................
               V
               V
   46      NB1CHL
               .
               .
   73          .         NB2
               .           .
               .           .
   60      NB1NB2............
               V
               V
   63      NB2CHL
               .
               .
   70          .         NB3
               .           V
               .           V
   77          .      NB3CHL
               .           .
               .           .
   84          .           .         NB5
               .           .           V
               .           .           V
   91          .           .      NB5SWP
               .           .           .
               .           .           .
   98          .           .           .         NB4
               .           .           .           .
               .           .           .           .
  105      NB2345.................................
               V
               V
  108      NB4CHL
               .
               .
  116          .        HP3A
               .           .
               .           .
```

```
123          .           .       5DSWP
             .           .           .
             .           .           .
137          .      HP3A45............
             .           V
             .           V
140          .      HP3ASP
             .           .
             .           .
148          .           .        HP3B
             .           .           .
             .           .           .
155          .      HP3AB4............
             .           V
             .           V
158          .      HP3BCH
             .           .
             .           .
165          .           .         SB5
             .           .           V
             .           .           V
172          .           .      SB5SWP
             .           .           .
             .           .           .
180          .           .           .         CW1
             .           .           .           .
             .           .           .           .
187     HP3NB4.................................
             V
             V
190     CW1CHL
             .
             .
198          .         CW2
             .           .
             .           .
205      CW2IN............
             V
             V
208      CW2CH
             .
             .
216          .       SB3&4
             .           V
             .           V
223          .      SB34PD
             .           .
             .           .
230     C2SB34............
             V
             V
233     SB34CH
             V
             V
241     HB4BCL
             .
             .
249          .         SB7
             .           .
             .           .
256          .           .         SB6
             .           .           .
             .           .           .
263          .        SB67............
             .           V
             .           V
```

```
266          .       SB7CH
             .           .
             .           .
273          .           .        SB1
             .           .          .
             .           .          .
 0           .           .          .        SB2
             .           .          .          .
             .           .          .          .
287     SB1267.................................
             .
             .
290          .       8CSWP
             .           .
             .           .
304     CW2&PP............
             V
             V
307      PHPND
             .
             .
315          .         HP4
             .           V
             .           V
322          .      HP4SWP
             .           .
             .           .
329          .           .        HP5
             .           .          .
             .           .          .
336          .        HP45............
             .           V
             .           V
 9           .      HP5SWP
             .           .
             .           .
346          .           .       HB3A
             .           .          .
             .           .          .
353          .           .          .        HB3B
             .           .          .          .
             .           .          .          .
360          .           .      HB3AB............
             .           .          V
             .           .          V
363          .           .     HB3BSP
             .           .          .
             .           .          .
370          .           .          .        HB3C
             .           .          .          .
             .           .          .          .
377          .           .     HB3ABC............
             .           .          V
             .           .          V
380          .           .     CRMLGN
             .           .          .
             .           .          .
387          .           .          .        HB4A
             .           .          .          .
             .           .          .          .
394          .       SHD10........................
             .           V
             .           V
397          .      SHD10C
             .           .
             .           .
```

```
404          .          .       HB4B
             .          .          .
             .          .          .
411          .          .          .     4DCHAB
             .          .          .          .
             .          .          .          .
425          .          .          .          .       HB1AN
             .          .          .          .          .
             .          .          .          .          .
432          .          .          .     HB1APX............
             .          .          .          V
             .          .          .          V
435          .          .          .      PXDPR
             .          .          .          .
             .          .          .          .
443          .          .          .          .       4ECHL
             .          .          .          .          .
             .          .          .          .          .
457          .          .          .          .          .        HB1B
             .          .          .          .          .          .
             .          .          .          .          .          .
464          .          .          .          .     4EHB1B............
             .          .          .          .          V
             .          .          .          .          V
467          .          .          .          .     EWCLPX
             .          .          .          .          .
             .          .          .          .          .
474          .          .          .          .          .       HB1AS
             .          .          .          .          .          .
             .          .          .          .          .          .
481          .          .          .      HB1PX........................
             .          .          .          V
             .          .          .          V
484          .          .          .      HB1CH
             .          .          .          .
             .          .          .          .
492          .          .          .          .     DIHBCH
             .          .          .          .          .
             .          .          .          .          .
506          .          .          .          .          .        HB2A
             .          .          .          .          .          .
             .          .          .          .          .          .
513          .          .          .          .      HB12A............
             .          .          .          .          V
             .          .          .          .          V
516          .          .          .          .     HB2ASP
             .          .          .          .          .
             .          .          .          .          .
523          .          .          .          .          .        HB2B
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1                                                  ****
                    FLOOD HYDROGRAPH PACKAGE HEC-1 (IBM XT 512K VERSION) -FEB 1,1985
          U.S. ARMY CORPS OF ENGINEERS, THE HYDROLOGIC ENGINEERING CENTER, 609 SECOND STREET, DAVIS, CA. 95616
                                                   ****
```

ISRT, WOBURN, MASSACHUSETTS
ON-SITE SUBWATERSHEDS
DETAILED STORAGE AND STREAM NETWORK
EXISTING CONDITIONS - 25 YR, 24 HR STORM

```
  7 IO        OUTPUT CONTROL VARIABLES
                IPRNT          5  PRINT CONTROL
```

```
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE

  IT        HYDROGRAPH TIME DATA
                 NMIN         15  MINUTES IN COMPUTATION INTERVAL
                IDATE    28FEB91  STARTING DATE
                ITIME       0100  STARTING TIME
                   NQ         97  NUMBER OF HYDROGRAPH ORDINATES
               NDDATE     1MAR91  ENDING DATE
               NDTIME       0100  ENDING TIME

            COMPUTATION INTERVAL     .25 HOURS
                 TOTAL TIME BASE   24.00 HOURS

      ENGLISH UNITS


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


        **************
        *            *
  8 KK  *       5E   *
        *            *
        **************

  9 KO      OUTPUT CONTROL VARIABLES
                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                         DIRECT INPUT HYDROGRAPH FOR FLOW FROM 5E

  IN        TIME DATA FOR INPUT TIME SERIES
                JXMIN         15  TIME INTERVAL IN MINUTES
               JXDATE    28FEB91  STARTING DATE
               JXTIME        100  STARTING TIME

          SUBBASIN RUNOFF DATA

 11 BA      SUBBASIN CHARACTERISTICS
                TAREA        .07  SUBBASIN AREA

                                                    ***

*****************************************************************************************************************************

                                        HYDROGRAPH AT STATION       5E

*****************************************************************************************************************************
                                *                                *                                *
  DA MON HRMN  ORD      FLOW    *  DA MON HRMN  ORD      FLOW    *  DA MON HRMN  ORD      FLOW    *  DA MON HRMN  ORD      FLOW
                                *                                *                                *
  28 FEB 0100    1        0.    *  28 FEB 0715   26        0.    *  28 FEB 1330   51       61.    *  28 FEB 1945   76        3.
  28 FEB 0115    2        0.    *  28 FEB 0730   27        0.    *  28 FEB 1345   52       52.    *  28 FEB 2000   77        3.
  28 FEB 0130    3        0.    *  28 FEB 0745   28        0.    *  28 FEB 1400   53       36.    *  28 FEB 2015   78        3.
  28 FEB 0145    4        0.    *  28 FEB 0800   29        0.    *  28 FEB 1415   54       25.    *  28 FEB 2030   79        2.
  28 FEB 0200    5        0.    *  28 FEB 0815   30        0.    *  28 FEB 1430   55       18.    *  28 FEB 2045   80        2.
  28 FEB 0215    6        0.    *  28 FEB 0830   31        0.    *  28 FEB 1445   56       13.    *  28 FEB 2100   81        2.
  28 FEB 0230    7        0.    *  28 FEB 0845   32        0.    *  28 FEB 1500   57       10.    *  28 FEB 2115   82        2.
  28 FEB 0245    8        0.    *  28 FEB 0900   33        0.    *  28 FEB 1515   58        9.    *  28 FEB 2130   83        2.
   8 FEB 0300    9        0.    *  28 FEB 0915   34        0.    *  28 FEB 1530   59        8.    *  28 FEB 2145   84        2.
  28 FEB 0315   10        0.    *  28 FEB 0930   35        0.    *  28 FEB 1545   60        7.    *  28 FEB 2200   85        2.
  28 FEB 0330   11        0.    *  28 FEB 0945   36        0.    *  28 FEB 1600   61        6.    *  28 FEB 2215   86        2.
  28 FEB 0345   12        0.    *  28 FEB 1000   37        0.    *  28 FEB 1615   62        6.    *  28 FEB 2230   87        2.
  28 FEB 0400   13        0.    *  28 FEB 1015   38        0.    *  28 FEB 1630   63        6.    *  28 FEB 2245   88        2.
```

28 FEB 0415	14	0.	*	28 FEB 1030	39	0.	*	28 FEB 1645	64	6.	*	28 FEB 2300	89	2.
28 FEB 0430	15	0.	*	28 FEB 1045	40	1.	*	28 FEB 1700	65	6.	*	28 FEB 2315	90	2.
28 FEB 0445	16	0.	*	28 FEB 1100	41	1.	*	28 FEB 1715	66	6.	*	28 FEB 2330	91	2.
28 FEB 0500	17	0.	*	28 FEB 1115	42	1.	*	28 FEB 1730	67	5.	*	28 FEB 2345	92	2
28 FEB 0515	18	0.	*	28 FEB 1130	43	1.	*	28 FEB 1745	68	5.	*	1 MAR 0000	93	2.
28 FEB 0530	19	0.	*	28 FEB 1145	44	2.	*	28 FEB 1800	69	5.	*	1 MAR 0015	94	2.
28 FEB 0545	20	0.	*	28 FEB 1200	45	2.	*	28 FEB 1815	70	5.	*	1 MAR 0030	95	2.
28 FEB 0600	21	0.	*	28 FEB 1215	46	3.	*	28 FEB 1830	71	5.	*	1 MAR 0045	96	2.
28 FEB 0615	22	0.	*	28 FEB 1230	47	5.	*	28 FEB 1845	72	5.	*	1 MAR 0100	97	2.
28 FEB 0630	23	0.	*	28 FEB 1245	48	8.	*	28 FEB 1900	73	4.	*			
28 FEB 0645	24	0.	*	28 FEB 1300	49	16.	*	28 FEB 1915	74	4.	*			
28 FEB 0700	25	0.	*	28 FEB 1315	50	39.	*	28 FEB 1930	75	3.	*			
			*				*				*			

****

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 61.	12.50		15.	5.	5.	5.
		(INCHES)	2.009	2.441	2.441	2.441
		(AC-FT)	8.	9.	9.	9.

CUMULATIVE AREA = .07 SQ MI

*** ***

```
          **************
          *            *
 22 KK    *    6CSWP   *
          *            *
          **************

 23 KO        OUTPUT CONTROL VARIABLES
                   IPRNT          1  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL         0.  HYDROGRAPH PLOT SCALE
                           DIRECT INPUT HYDROGRAPH FOR FLOW FROM READING, UNDER RTE 93

  6 IN        TIME DATA FOR INPUT TIME SERIES
                   JXMIN         15  TIME INTERVAL IN MINUTES
                  JXDATE    28FEB91  STARTING DATE
                  JXTIME        100  STARTING TIME

            SUBBASIN RUNOFF DATA

 25 BA        SUBBASIN CHARACTERISTICS
                   TAREA        .93  SUBBASIN AREA
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****

HYDROGRAPH AT STATION 6CSWP

****

DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	*	28 FEB 0715	26	0.	*	28 FEB 1330	51	146.	*	28 FEB 1945	76	36.
28 FEB 0115	2	0.	*	28 FEB 0730	27	0.	*	28 FEB 1345	52	157.	*	28 FEB 2000	77	33.
28 FEB 0130	3	0.	*	28 FEB 0745	28	0.	*	28 FEB 1400	53	163.	*	28 FEB 2015	78	31.

28 FEB 0145	4	0.	*	28 FEB 0800	29	0.	*	28 FEB 1415	54	165.	*	28 FEB 2030	79	28.
28 FEB 0200	5	0.	*	28 FEB 0815	30	0.	*	28 FEB 1430	55	166.	*	28 FEB 2045	80	27.
28 FEB 0215	6	0.	*	28 FEB 0830	31	0.	*	28 FEB 1445	56	166.	*	28 FEB 2100	81	26.
28 FEB 0230	7	0.	*	28 FEB 0845	32	0.	*	28 FEB 1500	57	166.	*	28 FEB 2115	82	25.
28 FEB 0245	8	0.	*	28 FEB 0900	33	0.	*	28 FEB 1515	58	165.	*	28 FEB 2130	83	24.
28 FEB 0300	9	0.	*	28 FEB 0915	34	0.	*	28 FEB 1530	59	164.	*	28 FEB 2145	84	24.
28 FEB 0315	10	0.	*	28 FEB 0930	35	0.	*	28 FEB 1545	60	162.	*	28 FEB 2200	85	23.
28 FEB 0330	11	0.	*	28 FEB 0945	36	0.	*	28 FEB 1600	61	160.	*	28 FEB 2215	86	23.
28 FEB 0345	12	0.	*	28 FEB 1000	37	0.	*	28 FEB 1615	62	158.	*	28 FEB 2230	87	23.
28 FEB 0400	13	0.	*	28 FEB 1015	38	0.	*	28 FEB 1630	63	155.	*	28 FEB 2245	88	22.
28 FEB 0415	14	0.	*	28 FEB 1030	39	0.	*	28 FEB 1645	64	152.	*	28 FEB 2300	89	22.
28 FEB 0430	15	0.	*	28 FEB 1045	40	1.	*	28 FEB 1700	65	147.	*	28 FEB 2315	90	22.
28 FEB 0445	16	0.	*	28 FEB 1100	41	2.	*	28 FEB 1715	66	139.	*	28 FEB 2330	91	22.
28 FEB 0500	17	0.	*	28 FEB 1115	42	3.	*	28 FEB 1730	67	129.	*	28 FEB 2345	92	21.
28 FEB 0515	18	0.	*	28 FEB 1130	43	5.	*	28 FEB 1745	68	119.	*	1 MAR 0000	93	21.
28 FEB 0530	19	0.	*	28 FEB 1145	44	7.	*	28 FEB 1800	69	75.	*	1 MAR 0015	94	21.
28 FEB 0545	20	0.	*	28 FEB 1200	45	9.	*	28 FEB 1815	70	56.	*	1 MAR 0030	95	21.
28 FEB 0600	21	0.	*	28 FEB 1215	46	14.	*	28 FEB 1830	71	52.	*	1 MAR 0045	96	21.
28 FEB 0615	22	0.	*	28 FEB 1230	47	22.	*	28 FEB 1845	72	49.	*	1 MAR 0100	97	21.
28 FEB 0630	23	0.	*	28 FEB 1245	48	35.	*	28 FEB 1900	73	47.	*			
28 FEB 0645	24	0.	*	28 FEB 1300	49	65.	*	28 FEB 1915	74	44.	*			
28 FEB 0700	25	0.	*	28 FEB 1315	50	122.	*	28 FEB 1930	75	40.	*			
			*				*				*			

****

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 166.	13.50		133.	41.	41.	41.
		(INCHES)	1.329	1.647	1.647	1.647
		(AC-FT)	66.	82.	82.	82.

CUMULATIVE AREA = .93 SQ MI

*** ***

```
            **************
            *            *
 36 KK      *      NB1   *
            *            *
            **************
```

37 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

SCS RUNOFF CALCULATION

SUBBASIN RUNOFF DATA

39 BA SUBBASIN CHARACTERISTICS

TAREA .01 SUBBASIN AREA

PRECIPITATION DATA

40 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
.50	1.10	2.10	2.70	3.00	3.60	4.50	5.20	.00	.00	.00	.00

STORM AREA = .01

```
41 LS          SCS LOSS RATE
                    STRTL        .56  INITIAL ABSTRACTION
                   CRVNBR      78.00  CURVE NUMBER
                    RTIMP        .00  PERCENT IMPERVIOUS AREA

42 UD          SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .44  LAG

                                                    ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                            11 END-OF-PERIOD ORDINATES
              5.      13.      11.       5.       3.       1.       1.       0.       0.       0.
              0.
```

****

HYDROGRAPH AT STATION N81

****

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.10	.35	.75	9.
28	FEB	0115	2	.01	.01	.00	0.	*	28	FEB	1330	51	.28	.07	.21	14.
28	FEB	0130	3	.01	.01	.00	0.	*	28	FEB	1345	52	.18	.04	.14	13.
28	FEB	0145	4	.01	.01	.00	0.	*	28	FEB	1400	53	.14	.03	.11	9.
28	FEB	0200	5	.01	.01	.00	0.	*	28	FEB	1415	54	.08	.02	.07	7.
28	FEB	0215	6	.01	.01	.00	0.	*	28	FEB	1430	55	.07	.01	.06	5.
28	FEB	0230	7	.01	.01	.00	0.	*	28	FEB	1445	56	.06	.01	.05	3.
28	FEB	0245	8	.01	.01	.00	0.	*	28	FEB	1500	57	.06	.01	.05	3.
28	FEB	0300	9	.01	.01	.00	0.	*	28	FEB	1515	58	.05	.01	.04	2.
28	FEB	0315	10	.01	.01	.00	0.	*	28	FEB	1530	59	.05	.01	.04	2.
28	FEB	0330	11	.01	.01	.00	0.	*	28	FEB	1545	60	.04	.01	.04	2.
28	FEB	0345	12	.01	.01	.00	0.	*	28	FEB	1600	61	.04	.01	.03	2.
28	FEB	0400	13	.01	.01	.00	0.	*	28	FEB	1615	62	.05	.01	.04	1.
28	FEB	0415	14	.01	.01	.00	0.	*	28	FEB	1630	63	.05	.01	.04	1.
28	FEB	0430	15	.01	.01	.00	0.	*	28	FEB	1645	64	.04	.01	.04	1.
28	FEB	0445	16	.01	.01	.00	0.	*	28	FEB	1700	65	.04	.01	.03	1.
28	FEB	0500	17	.02	.02	.00	0.	*	28	FEB	1715	66	.04	.01	.03	1.
28	FEB	0515	18	.02	.02	.00	0.	*	28	FEB	1730	67	.04	.01	.03	1.
28	FEB	0530	19	.02	.02	.00	0.	*	28	FEB	1745	68	.04	.01	.03	1.
28	FEB	0545	20	.02	.02	.00	0.	*	28	FEB	1800	69	.04	.01	.03	1.
28	FEB	0600	21	.02	.02	.00	0.	*	28	FEB	1815	70	.03	.01	.03	1.
28	FEB	0615	22	.02	.02	.00	0.	*	28	FEB	1830	71	.03	.01	.03	1.
28	FEB	0630	23	.02	.02	.00	0.	*	28	FEB	1845	72	.03	.01	.03	1.
28	FEB	0645	24	.02	.02	.00	0.	*	28	FEB	1900	73	.03	.00	.03	1.
28	FEB	0700	25	.02	.02	.00	0.	*	28	FEB	1915	74	.02	.00	.02	1.
28	FEB	0715	26	.03	.03	.00	0.	*	28	FEB	1930	75	.02	.00	.02	1.
28	FEB	0730	27	.03	.03	.00	0.	*	28	FEB	1945	76	.02	.00	.02	1.
28	FEB	0745	28	.03	.03	.00	0.	*	28	FEB	2000	77	.02	.00	.01	1.
28	FEB	0800	29	.03	.03	.00	0.	*	28	FEB	2015	78	.02	.00	.01	1.
28	FEB	0815	30	.03	.03	.00	0.	*	28	FEB	2030	79	.02	.00	.01	1.
28	FEB	0830	31	.04	.04	.00	0.	*	28	FEB	2045	80	.02	.00	.01	1.
28	FEB	0845	32	.04	.04	.00	0.	*	28	FEB	2100	81	.02	.00	.01	1.
28	FEB	0900	33	.04	.04	.00	0.	*	28	FEB	2115	82	.02	.00	.01	1.
28	FEB	0915	34	.04	.04	.00	0.	*	28	FEB	2130	83	.02	.00	.01	1.
28	FEB	0930	35	.04	.04	.00	0.	*	28	FEB	2145	84	.01	.00	.01	1.
28	FEB	0945	36	.04	.04	.00	0.	*	28	FEB	2200	85	.01	.00	.01	0.
28	FEB	1000	37	.05	.04	.01	0.	*	28	FEB	2215	86	.01	.00	.01	0.
28	FEB	1015	38	.04	.03	.01	0.	*	28	FEB	2230	87	.01	.00	.01	0.
28	FEB	1030	39	.04	.04	.01	0.	*	28	FEB	2245	88	.01	.00	.01	0.
28	FEB	1045	40	.05	.04	.01	0.	*	28	FEB	2300	89	.01	.00	.01	0.

```
28 FEB 1100   41    .05    .04    .01      0.     *    28 FEB 2315   90    .01    .00    .01      0.
28 FEB 1115   42    .05    .04    .01      0.     *    28 FEB 2330   91    .01    .00    .01      0.
28 FEB 1130   43    .06    .04    .02      0.     *    28 FEB 2345   92    .01    .00    .01      0.
28 FEB 1145   44    .07    .05    .02      1.     *     1 MAR 0000   93    .01    .00    .01      0.
28 FEB 1200   45    .08    .05    .03      1.     *     1 MAR 0015   94    .01    .00    .01      0.
28 FEB 1215   46    .13    .08    .05      1.     *     1 MAR 0030   95    .01    .00    .01      0.
28 FEB 1230   47    .16    .09    .06      1.     *     1 MAR 0045   96    .01    .00    .01      0.
28 FEB 1245   48    .23    .12    .11      2.     *     1 MAR 0100   97    .01    .00    .01      0.
28 FEB 1300   49    .49    .22    .27      4.     *
                                                  *
*****************************************************************************************************************

   TOTAL RAINFALL =    5.20, TOTAL LOSS =    2.32, TOTAL EXCESS =    2.88

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+     14.     12.50                  4.          1.          1.          1.
                       (INCHES)    2.332       2.858       2.858       2.858
                        (AC-FT)      2.          2.          2.          2.

                       CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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          *            *
    KK    *   NB1CHL   *
          *            *
          **************

 47 KO         OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL

             HYDROGRAPH ROUTING DATA

 49 RS         STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       STOR  TYPE OF INITIAL CONDITION
                    RSVRIC        .00  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

 50 RC         NORMAL DEPTH CHANNEL ROUTING
                       ANL       .080  LEFT OVERBANK N-VALUE
                      ANCH       .030  MAIN CHANNEL N-VALUE
                       ANR       .080  RIGHT OVERBANK N-VALUE
                     RLNTH       400.  REACH LENGTH
                       SEL      .0063  ENERGY SLOPE
                     ELMAX       69.5  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                   CROSS-SECTION DATA
                        --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
  ? RY       ELEVATION    70.50     70.00     69.50     67.50     67.50     69.50     70.00     70.50
  1 RX       DISTANCE       .00      5.00     10.00     11.00     17.00     18.00     23.00     28.00

                                                  ***

                                   COMPUTED STORAGE-OUTFLOW-ELEVATION DATA
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STORAGE	.00	.01	.01	.02	.02	.03	.04	.04	.05	.06
OUTFLOW	.00	.55	1.72	3.36	5.38	7.74	10.40	13.36	16.58	20.05
ELEVATION	67.50	67.61	67.71	67.82	67.92	68.03	68.13	68.24	68.34	68.45

STORAGE	.06	.07	.08	.08	.09	.10	.11	.11	.12	.13
OUTFLOW	23.77	27.72	31.90	36.29	40.89	45.71	50.73	55.95	61.36	66.98
ELEVATION	68.55	68.66	68.76	68.87	68.97	69.08	69.18	69.29	69.39	69.50

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 1. TO 67.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION NB1CHL

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	67.5	28	FEB	0915	34	0.	.0	67.5	28	FEB	1730	67	136.	.2	70.8
28	FEB	0115	2	0.	.0	67.5	28	FEB	0930	35	0.	.0	67.5	28	FEB	1745	68	126.	.2	70.6
28	FEB	0130	3	0.	.0	67.5	28	FEB	0945	36	0.	.0	67.5	28	FEB	1800	69	86.	.2	69.9
28	FEB	0145	4	0.	.0	67.5	28	FEB	1000	37	0.	.0	67.5	28	FEB	1815	70	61.	.1	69.4
28	FEB	0200	5	0.	.0	67.5	28	FEB	1015	38	0.	.0	67.5	28	FEB	1830	71	60.	.1	69.4
28	FEB	0215	6	0.	.0	67.5	28	FEB	1030	39	0.	.0	67.5	28	FEB	1845	72	54.	.1	69.3
28	FEB	0230	7	0.	.0	67.5	28	FEB	1045	40	1.	.0	67.7	28	FEB	1900	73	53.	.1	69.2
28	FEB	0245	8	0.	.0	67.5	28	FEB	1100	41	3.	.0	67.8	28	FEB	1915	74	49.	.1	69.1
28	FEB	0300	9	0.	.0	67.5	28	FEB	1115	42	4.	.0	67.9	28	FEB	1930	75	45.	.1	69.1
28	FEB	0315	10	0.	.0	67.5	28	FEB	1130	43	6.	.0	68.0	28	FEB	1945	76	40.	.1	68.9
28	FEB	0330	11	0.	.0	67.5	28	FEB	1145	44	9.	.0	68.1	28	FEB	2000	77	37.	.1	68
28	FEB	0345	12	0.	.0	67.5	28	FEB	1200	45	12.	.0	68.2	28	FEB	2015	78	35.	.1	6
28	FEB	0400	13	0.	.0	67.5	28	FEB	1215	46	17.	.1	68.4	28	FEB	2030	79	31.	.1	68.
28	FEB	0415	14	0.	.0	67.5	28	FEB	1230	47	27.	.1	68.7	28	FEB	2045	80	29.	.1	68.7
28	FEB	0430	15	0.	.0	67.5	28	FEB	1245	48	43.	.1	69.0	28	FEB	2100	81	29.	.1	68.7
28	FEB	0445	16	0.	.0	67.5	28	FEB	1300	49	81.	.1	69.8	28	FEB	2115	82	27.	.1	68.6
28	FEB	0500	17	0.	.0	67.5	28	FEB	1315	50	163.	.3	71.3	28	FEB	2130	83	27.	.1	68.6
28	FEB	0515	18	0.	.0	67.5	28	FEB	1330	51	221.	.3	72.4	28	FEB	2145	84	26.	.1	68.6
28	FEB	0530	19	0.	.0	67.5	28	FEB	1345	52	223.	.3	72.4	28	FEB	2200	85	26.	.1	68.6
28	FEB	0545	20	0.	.0	67.5	28	FEB	1400	53	210.	.3	72.2	28	FEB	2215	86	25.	.1	68.6
28	FEB	0600	21	0.	.0	67.5	28	FEB	1415	54	197.	.3	71.9	28	FEB	2230	87	26.	.1	68.6
28	FEB	0615	22	0.	.0	67.5	28	FEB	1430	55	189.	.3	71.8	28	FEB	2245	88	25.	.1	68.6
28	FEB	0630	23	0.	.0	67.5	28	FEB	1445	56	183.	.3	71.7	28	FEB	2300	89	24.	.1	68.6
28	FEB	0645	24	0.	.0	67.5	28	FEB	1500	57	179.	.3	71.6	28	FEB	2315	90	24.	.1	68.6
28	FEB	0700	25	0.	.0	67.5	28	FEB	1515	58	176.	.3	71.6	28	FEB	2330	91	24.	.1	68.6
28	FEB	0715	26	0.	.0	67.5	28	FEB	1530	59	174.	.3	71.5	28	FEB	2345	92	24.	.1	68.5
28	FEB	0730	27	0.	.0	67.5	28	FEB	1545	60	171.	.3	71.4	1	MAR	0000	93	23.	.1	68.5
28	FEB	0745	28	0.	.0	67.5	28	FEB	1600	61	168.	.3	71.4	1	MAR	0015	94	23.	.1	68.5
28	FEB	0800	29	0.	.0	67.5	28	FEB	1615	62	166.	.3	71.3	1	MAR	0030	95	23.	.1	68.5
28	FEB	0815	30	0.	.0	67.5	28	FEB	1630	63	163.	.3	71.3	1	MAR	0045	96	23.	.1	68.5
28	FEB	0830	31	0.	.0	67.5	28	FEB	1645	64	160.	.3	71.2	1	MAR	0100	97	23.	.1	68.5
28	FEB	0845	32	0.	.0	67.5	28	FEB	1700	65	155.	.2	71.1							
28	FEB	0900	33	0.	.0	67.5	28	FEB	1715	66	147.	.2	71.0							

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 223.	12.75		152.	47.	47.	47.
		(INCHES)	1.390	1.718	1.718	1.718
		(AC-FT)	75.	93.	93.	93.

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PEAK STORAGE   TIME                          MAXIMUM AVERAGE STORAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)     (HR)
       0.     12.75                  0.          0.          0.          0.

    K STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+   (FEET)     (HR)
    72.42     12.75                71.09       68.77       68.77       68.77

                       CUMULATIVE AREA =    1.01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


           **************
           *            *
  53 KK    *      NB2   *
           *            *
           **************

  54 KO         OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

  56 BA         SUBBASIN CHARACTERISTICS
                      TAREA         .01  SUBBASIN AREA

                PRECIPITATION DATA

  57 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .01

  58 LS         SCS LOSS RATE
                      STRTL         .86  INITIAL ABSTRACTION
                     CRVNBR       70.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

  59 UD         SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .49  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                 12 END-OF-PERIOD ORDINATES
                2.        7.        7.        4.        2.        1.        1.        0.        0.        0.
                0.        0.

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                                                HYDROGRAPH AT STATION      NB2

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.
28 FEB 0115	2	.01	.01	.00	0.
28 FEB 0130	3	.01	.01	.00	0.
28 FEB 0145	4	.01	.01	.00	0.
28 FEB 0200	5	.01	.01	.00	0.
28 FEB 0215	6	.01	.01	.00	0.
28 FEB 0230	7	.01	.01	.00	0.
28 FEB 0245	8	.01	.01	.00	0.
28 FEB 0300	9	.01	.01	.00	0.
28 FEB 0315	10	.01	.01	.00	0.
28 FEB 0330	11	.01	.01	.00	0.
28 FEB 0345	12	.01	.01	.00	0.
28 FEB 0400	13	.01	.01	.00	0.
28 FEB 0415	14	.01	.01	.00	0.
28 FEB 0430	15	.01	.01	.00	0.
28 FEB 0445	16	.01	.01	.00	0.
28 FEB 0500	17	.02	.02	.00	0.
28 FEB 0515	18	.02	.02	.00	0.
28 FEB 0530	19	.02	.02	.00	0.
28 FEB 0545	20	.02	.02	.00	0.
28 FEB 0600	21	.02	.02	.00	0.
28 FEB 0615	22	.02	.02	.00	0.
28 FEB 0630	23	.02	.02	.00	0.
28 FEB 0645	24	.02	.02	.00	0.
28 FEB 0700	25	.02	.02	.00	0.
28 FEB 0715	26	.03	.03	.00	0.
28 FEB 0730	27	.03	.03	.00	0.
28 FEB 0745	28	.03	.03	.00	0.
28 FEB 0800	29	.03	.03	.00	0.
28 FEB 0815	30	.03	.03	.00	0.
28 FEB 0830	31	.04	.04	.00	0.
28 FEB 0845	32	.04	.04	.00	0.
28 FEB 0900	33	.04	.04	.00	0.
28 FEB 0915	34	.04	.04	.00	0.
28 FEB 0930	35	.04	.04	.00	0.
28 FEB 0945	36	.04	.04	.00	0.
28 FEB 1000	37	.05	.05	.00	0.
28 FEB 1015	38	.04	.04	.00	0.
28 FEB 1030	39	.04	.04	.00	0.
28 FEB 1045	40	.05	.05	.00	0.
28 FEB 1100	41	.05	.05	.00	0.
28 FEB 1115	42	.05	.05	.00	0.
28 FEB 1130	43	.06	.06	.01	0.
28 FEB 1145	44	.07	.06	.01	0.
28 FEB 1200	45	.08	.07	.01	0.
28 FEB 1215	46	.13	.11	.02	0.
28 FEB 1230	47	.16	.12	.03	0.
28 FEB 1245	48	.23	.16	.06	1.
28 FEB 1300	49	.49	.31	.18	1.
28 FEB 1315	50	1.10	.53	.57	3.
28 FEB 1330	51	.28	.11	.17	6.
28 FEB 1345	52	.18	.06	.11	6.
28 FEB 1400	53	.14	.05	.09	5.
28 FEB 1415	54	.08	.03	.06	3.
28 FEB 1430	55	.07	.02	.05	3.
28 FEB 1445	56	.06	.02	.04	2.
28 FEB 1500	57	.06	.02	.04	1.
28 FEB 1515	58	.05	.02	.04	1.
28 FEB 1530	59	.05	.01	.03	1.
28 FEB 1545	60	.04	.01	.03	1.
28 FEB 1600	61	.04	.01	.03	1.
28 FEB 1615	62	.05	.01	.03	1.
28 FEB 1630	63	.05	.01	.03	1.
28 FEB 1645	64	.04	.01	.03	1.
28 FEB 1700	65	.04	.01	.03	1.
28 FEB 1715	66	.04	.01	.03	1.
28 FEB 1730	67	.04	.01	.03	1.
28 FEB 1745	68	.04	.01	.03	1.
28 FEB 1800	69	.04	.01	.03	1.
28 FEB 1815	70	.03	.01	.02	1.
28 FEB 1830	71	.03	.01	.02	1.
28 FEB 1845	72	.03	.01	.02	1.
28 FEB 1900	73	.03	.01	.02	1.
28 FEB 1915	74	.02	.01	.01	1.
28 FEB 1930	75	.02	.01	.01	0.
28 FEB 1945	76	.02	.00	.01	0.
28 FEB 2000	77	.02	.00	.01	0.
28 FEB 2015	78	.02	.00	.01	0.
28 FEB 2030	79	.02	.00	.01	0.
28 FEB 2045	80	.02	.00	.01	0.
28 FEB 2100	81	.02	.00	.01	0.
28 FEB 2115	82	.02	.00	.01	0.
28 FEB 2130	83	.02	.00	.01	0.
28 FEB 2145	84	.01	.00	.01	0.
28 FEB 2200	85	.01	.00	.01	0.
28 FEB 2215	86	.01	.00	.01	0.
28 FEB 2230	87	.01	.00	.01	0.
28 FEB 2245	88	.01	.00	.01	0.
28 FEB 2300	89	.01	.00	.01	0.
28 FEB 2315	90	.01	.00	.01	0.
28 FEB 2330	91	.01	.00	.01	0.
28 FEB 2345	92	.01	.00	.01	0.
1 MAR 0000	93	.01	.00	.01	0.
1 MAR 0015	94	.01	.00	.01	0.
1 MAR 0030	95	.01	.00	.01	0.
1 MAR 0045	96	.01	.00	.01	0.
1 MAR 0100	97	.01	.00	.01	0.

****

TOTAL RAINFALL = 5.20, TOTAL LOSS = 3.01, TOTAL EXCESS = 2.19

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 6.	12.75		2.	1.	1.	1.
		(INCHES)	1.787	2.162	2.162	2.162
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .01 SQ MI

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          *            *
63 KK     *    NB2CHL  *
          *            *
          **************

64 KO          OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL

             HYDROGRAPH ROUTING DATA

66 RS          STORAGE ROUTING
                     NSTPS           1  NUMBER OF SUBREACHES
                      ITYP        STOR  TYPE OF INITIAL CONDITION
                    RSVRIC         .00  INITIAL CONDITION
                         X         .00 WORKING R AND D COEFFICIENT

67 RC          NORMAL DEPTH CHANNEL ROUTING
                       ANL        .080  LEFT OVERBANK N-VALUE
                      ANCH        .030  MAIN CHANNEL N-VALUE
                       ANR        .080  RIGHT OVERBANK N-VALUE
                     RLNTH        500.  REACH LENGTH
                       SEL       .0030  ENERGY SLOPE
                     ELMAX        66.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                   CROSS-SECTION DATA
                      --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
69 RY        ELEVATION    67.00     66.50     66.00     64.00     64.00     66.00     66.50     67.00
68 RX        DISTANCE       .00      5.00     10.00     11.00     17.00     18.00     23.00     28.00

                                                   ***

                                   COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00       .01       .01       .02       .03       .04       .05       .05       .06       .07
          OUTFLOW       .00       .38      1.19      2.32      3.71      5.34      7.18      9.22     11.44     13.84
        ELEVATION     64.00     64.11     64.21     64.32     64.42     64.53     64.63     64.74     64.84     64.95

          STORAGE       .08       .09       .10       .10       .11       .12       .13       .14       .15       .16
          OUTFLOW     16.40     19.13     22.01     25.04     28.22     31.54     35.00     38.61     42.34     46.22
        ELEVATION     65.05     65.16     65.26     65.37     65.47     65.58     65.68     65.79     65.89     66.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO       46.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

*****************************************************************************************************************************

                                          HYDROGRAPH AT STATION   NB2CHL

   ****************************************************************************************************************************
                                                 *                                                 *
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                                 *                                                 *
28 FEB 0100   1       0.       .0    64.0 * 28 FEB 0915  34       0.       .0    64.0 * 28 FEB 1730  67     138.       .4    68.5
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28 FEB 0115	2	0.	.0	64.0	*	28 FEB 0930	35	0.	.0	64.0	*	28 FEB 1745	68	128.	.4	68.2
28 FEB 0130	3	0.	.0	64.0	*	28 FEB 0945	36	0.	.0	64.0	*	28 FEB 1800	69	94.	.3	67.3
28 FEB 0145	4	0.	.0	64.0	*	28 FEB 1000	37	0.	.0	64.0	*	28 FEB 1815	70	62.	.2	66.4
28 FEB 0200	5	0.	.0	64.0	*	28 FEB 1015	38	0.	.0	64.0	*	28 FEB 1830	71	60.	.2	66
28 FEB 0215	6	0.	.0	64.0	*	28 FEB 1030	39	0.	.0	64.0	*	28 FEB 1845	72	56.	.2	6
28 FEB 0230	7	0.	.0	64.0	*	28 FEB 1045	40	1.	.0	64.2	*	28 FEB 1900	73	53.	.2	66.
28 FEB 0245	8	0.	.0	64.0	*	28 FEB 1100	41	3.	.0	64.3	*	28 FEB 1915	74	50.	.2	66.1
28 FEB 0300	9	0.	.0	64.0	*	28 FEB 1115	42	4.	.0	64.4	*	28 FEB 1930	75	45.	.2	66.0
28 FEB 0315	10	0.	.0	64.0	*	28 FEB 1130	43	6.	.0	64.5	*	28 FEB 1945	76	41.	.1	65.9
28 FEB 0330	11	0.	.0	64.0	*	28 FEB 1145	44	9.	.1	64.7	*	28 FEB 2000	77	37.	.1	65.8
28 FEB 0345	12	0.	.0	64.0	*	28 FEB 1200	45	11.	.1	64.8	*	28 FEB 2015	78	35.	.1	65.7
28 FEB 0400	13	0.	.0	64.0	*	28 FEB 1215	46	16.	.1	65.0	*	28 FEB 2030	79	32.	.1	65.6
28 FEB 0415	14	0.	.0	64.0	*	28 FEB 1230	47	26.	.1	65.4	*	28 FEB 2045	80	30.	.1	65.5
28 FEB 0430	15	0.	.0	64.0	*	28 FEB 1245	48	42.	.1	65.9	*	28 FEB 2100	81	29.	.1	65.5
28 FEB 0445	16	0.	.0	64.0	*	28 FEB 1300	49	76.	.2	66.8	*	28 FEB 2115	82	28.	.1	65.5
28 FEB 0500	17	0.	.0	64.0	*	28 FEB 1315	50	153.	.4	68.9	*	28 FEB 2130	83	27.	.1	65.4
28 FEB 0515	18	0.	.0	64.0	*	28 FEB 1330	51	222.	.6	70.8	*	28 FEB 2145	84	27.	.1	65.4
28 FEB 0530	19	0.	.0	64.0	*	28 FEB 1345	52	231.	.6	71.0	*	28 FEB 2200	85	26.	.1	65.4
28 FEB 0545	20	0.	.0	64.0	*	28 FEB 1400	53	216.	.6	70.6	*	28 FEB 2215	86	26.	.1	65.4
28 FEB 0600	21	0.	.0	64.0	*	28 FEB 1415	54	202.	.5	70.2	*	28 FEB 2230	87	26.	.1	65.4
28 FEB 0615	22	0.	.0	64.0	*	28 FEB 1430	55	193.	.5	70.0	*	28 FEB 2245	88	25.	.1	65.4
28 FEB 0630	23	0.	.0	64.0	*	28 FEB 1445	56	186.	.5	69.8	*	28 FEB 2300	89	25.	.1	65.4
28 FEB 0645	24	0.	.0	64.0	*	28 FEB 1500	57	181.	.5	69.7	*	28 FEB 2315	90	25.	.1	65.4
28 FEB 0700	25	0.	.0	64.0	*	28 FEB 1515	58	178.	.5	69.6	*	28 FEB 2330	91	25.	.1	65.4
28 FEB 0715	26	0.	.0	64.0	*	28 FEB 1530	59	175.	.5	69.5	*	28 FEB 2345	92	24.	.1	65.3
28 FEB 0730	27	0.	.0	64.0	*	28 FEB 1545	60	172.	.5	69.4	*	1 MAR 0000	93	23.	.1	65.3
28 FEB 0745	28	0.	.0	64.0	*	28 FEB 1600	61	169.	.5	69.3	*	1 MAR 0015	94	24.	.1	65.3
28 FEB 0800	29	0.	.0	64.0	*	28 FEB 1615	62	167.	.5	69.3	*	1 MAR 0030	95	24.	.1	65.3
28 FEB 0815	30	0.	.0	64.0	*	28 FEB 1630	63	164.	.5	69.2	*	1 MAR 0045	96	24.	.1	65.3
28 FEB 0830	31	0.	.0	64.0	*	28 FEB 1645	64	161.	.4	69.1	*	1 MAR 0100	97	24.	.1	65.3
28 FEB 0845	32	0.	.0	64.0	*	28 FEB 1700	65	156.	.4	69.0	*					
28 FEB 0900	33	0.	.0	64.0	*	28 FEB 1715	66	149.	.4	68.8	*					
					*						*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 231.	12.75		153.	47.	47.	47.
		(INCHES)	1.393	1.720	1.720	1.720
		(AC-FT)	76.	94.	94.	94.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	12.75	0.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
71.02	12.75	68.91	65.70	65.70	65.70

CUMULATIVE AREA = 1.02 SQ MI

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          **************
          *            *
70 KK     *      NB3   *
          *            *
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71 KO          OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

73 BA          SUBBASIN CHARACTERISTICS
                     TAREA        .00  SUBBASIN AREA

               PRECIPITATION DATA

74 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                STORM AREA =     .00

75 LS          SCS LOSS RATE
                     STRTL        .86  INITIAL ABSTRACTION
                    CRVNBR      70.00  CURVE NUMBER
                     RTIMP        .00  PERCENT IMPERVIOUS AREA

76 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .34  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                            9 END-OF-PERIOD ORDINATES
               2.       4.       2.       1.       0.       0.       0.       0.       0.
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HYDROGRAPH AT STATION NB3

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.10	.53	.57	2.
28	FEB	0115	2	.01	.01	.00	0.	*	28	FEB	1330	51	.28	.11	.17	3.
28	FEB	0130	3	.01	.01	.00	0.	*	28	FEB	1345	52	.18	.06	.11	2.
28	FEB	0145	4	.01	.01	.00	0.	*	28	FEB	1400	53	.14	.05	.09	2.
28	FEB	0200	5	.01	.01	.00	0.	*	28	FEB	1415	54	.08	.03	.06	1.
28	FEB	0215	6	.01	.01	.00	0.	*	28	FEB	1430	55	.07	.02	.05	1.
28	FEB	0230	7	.01	.01	.00	0.	*	28	FEB	1445	56	.06	.02	.04	1.
28	FEB	0245	8	.01	.01	.00	0.	*	28	FEB	1500	57	.06	.02	.04	1.
28	FEB	0300	9	.01	.01	.00	0.	*	28	FEB	1515	58	.05	.02	.04	0.
28	FEB	0315	10	.01	.01	.00	0.	*	28	FEB	1530	59	.05	.01	.03	0.
28	FEB	0330	11	.01	.01	.00	0.	*	28	FEB	1545	60	.04	.01	.03	0.
28	FEB	0345	12	.01	.01	.00	0.	*	28	FEB	1600	61	.04	.01	.03	0.
28	FEB	0400	13	.01	.01	.00	0.	*	28	FEB	1615	62	.05	.01	.03	0.
28	FEB	0415	14	.01	.01	.00	0.	*	28	FEB	1630	63	.05	.01	.03	0.
28	FEB	0430	15	.01	.01	.00	0.	*	28	FEB	1645	64	.04	.01	.03	0.
28	FEB	0445	16	.01	.01	.00	0.	*	28	FEB	1700	65	.04	.01	.03	0.
28	FEB	0500	17	.02	.02	.00	0.	*	28	FEB	1715	66	.04	.01	.03	0.
28	FEB	0515	18	.02	.02	.00	0.	*	28	FEB	1730	67	.04	.01	.03	0.
28	FEB	0530	19	.02	.02	.00	0.	*	28	FEB	1745	68	.04	.01	.03	0.
28	FEB	0545	20	.02	.02	.00	0.	*	28	FEB	1800	69	.04	.01	.03	0.
28	FEB	0600	21	.02	.02	.00	0.	*	28	FEB	1815	70	.03	.01	.02	0.

28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.01	.02	0.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.01	.02	0.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.02	0.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.01	.01	0.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.01	.01	0.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.01	0.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.01	0.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.01	0.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.01	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.01	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.04	.00	0.	*	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.04	.00	0.	*	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.05	.00	0.	*	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.04	.00	0.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.04	.00	0.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.05	.00	0.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.05	.00	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.05	.00	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.06	.01	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.06	.01	0.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.07	.01	0.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.11	.02	0.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.12	.03	0.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.16	.06	0.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.31	.18	1.	*						
						*						

****

TOTAL RAINFALL = 5.20, TOTAL LOSS = 3.01, TOTAL EXCESS = 2.19

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 3.	12.50		1.	0.	0.	0.
		(INCHES)	1.792	2.169	2.169	2.169
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = .00 SQ MI

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            **************
            *            *
  77 KK     *    NB3CHL  *
            *            *
            **************

  78 KO          OUTPUT CONTROL VARIABLES
                       IPRNT          1  PRINT CONTROL
                       IPLOT          0  PLOT CONTROL
                       QSCAL         0.  HYDROGRAPH PLOT SCALE
                                STORAGE ROUTING THROUGH RTE 93 E/W CHANNEL

              HYDROGRAPH ROUTING DATA

  80 RS          STORAGE ROUTING
                       NSTPS          1  NUMBER OF SUBREACHES
                        ITYP       STOR  TYPE OF INITIAL CONDITION
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                RSVRIC        .00  INITIAL CONDITION
                     X        .00 WORKING R AND D COEFFICIENT

81 RC        NORMAL DEPTH CHANNEL ROUTING
                   ANL       .080  LEFT OVERBANK N-VALUE
                  ANCH       .030  MAIN CHANNEL N-VALUE
                   ANR       .080  RIGHT OVERBANK N-VALUE
                 RLNTH       430.  REACH LENGTH
                   SEL      .0070  ENERGY SLOPE
                 ELMAX       67.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                   CROSS-SECTION DATA
                      --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
83 RY      ELEVATION   68.00   67.50   67.00   66.00   66.00   67.00   67.50   68.00
82 RX      DISTANCE     .00    5.00   10.00   11.00   14.00   15.00   20.00   25.00

                                                  ***

                                   COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE     .00     .00     .00     .00     .01     .01     .01     .01     .01     .02
        OUTFLOW     .00     .09     .29     .57     .92    1.34    1.81    2.35    2.94    3.58
      ELEVATION   66.00   66.05   66.11   66.16   66.21   66.26   66.32   66.37   66.42   66.47

        STORAGE     .02     .02     .02     .02     .03     .03     .03     .03     .04     .04
        OUTFLOW    4.28    5.03    5.84    6.69    7.60    8.56    9.58   10.64   11.76   12.93
      ELEVATION   66.53   66.58   66.63   66.68   66.74   66.79   66.84   66.89   66.95   67.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO        13.
                THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
                THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                   HYDROGRAPH AT STATION   NB3CHL

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                                     *                                     *
DA MON HRMN ORD  OUTFLOW  STORAGE  STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE  STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE  STAGE
                                     *                                     *
28 FEB 0100  1      0.       .0   66.0 * 28 FEB 0915  34      0.       .0   66.0 * 28 FEB 1730  67      0.       .0   66.1
28 FEB 0115  2      0.       .0   66.0 * 28 FEB 0930  35      0.       .0   66.0 * 28 FEB 1745  68      0.       .0   66.1
28 FEB 0130  3      0.       .0   66.0 * 28 FEB 0945  36      0.       .0   66.0 * 28 FEB 1800  69      0.       .0   66.1
28 FEB 0145  4      0.       .0   66.0 * 28 FEB 1000  37      0.       .0   66.0 * 28 FEB 1815  70      0.       .0   66.1
28 FEB 0200  5      0.       .0   66.0 * 28 FEB 1015  38      0.       .0   66.0 * 28 FEB 1830  71      0.       .0   66.1
28 FEB 0215  6      0.       .0   66.0 * 28 FEB 1030  39      0.       .0   66.0 * 28 FEB 1845  72      0.       .0   66.1
28 FEB 0230  7      0.       .0   66.0 * 28 FEB 1045  40      0.       .0   66.0 * 28 FEB 1900  73      0.       .0   66.1
28 FEB 0245  8      0.       .0   66.0 * 28 FEB 1100  41      0.       .0   66.0 * 28 FEB 1915  74      0.       .0   66.1
28 FEB 0300  9      0.       .0   66.0 * 28 FEB 1115  42      0.       .0   66.0 * 28 FEB 1930  75      0.       .0   66.1
28 FEB 0315 10      0.       .0   66.0 * 28 FEB 1130  43      0.       .0   66.0 * 28 FEB 1945  76      0.       .0   66.1
28 FEB 0330 11      0.       .0   66.0 * 28 FEB 1145  44      0.       .0   66.0 * 28 FEB 2000  77      0.       .0   66.1
28 FEB 0345 12      0.       .0   66.0 * 28 FEB 1200  45      0.       .0   66.0 * 28 FEB 2015  78      0.       .0   66.1
28 FEB 0400 13      0.       .0   66.0 * 28 FEB 1215  46      0.       .0   66.0 * 28 FEB 2030  79      0.       .0   66.1
28 FEB 0415 14      0.       .0   66.0 * 28 FEB 1230  47      0.       .0   66.1 * 28 FEB 2045  80      0.       .0   66.1
28 FEB 0430 15      0.       .0   66.0 * 28 FEB 1245  48      0.       .0   66.1 * 28 FEB 2100  81      0.       .0   66.1
28 FEB 0445 16      0.       .0   66.0 * 28 FEB 1300  49      1.       .0   66.2 * 28 FEB 2115  82      0.       .0   66.1
28 FEB 0500 17      0.       .0   66.0 * 28 FEB 1315  50      2.       .0   66.3 * 28 FEB 2130  83      0.       .0   66.1
28 FEB 0515 18      0.       .0   66.0 * 28 FEB 1330  51      3.       .0   66.4 * 28 FEB 2145  84      0.       .0   66.1
28 FEB 0530 19      0.       .0   66.0 * 28 FEB 1345  52      3.       .0   66.4 * 28 FEB 2200  85      0.       .0   66.1
28 FEB 0545 20      0.       .0   66.0 * 28 FEB 1400  53      2.       .0   66.3 * 28 FEB 2215  86      0.       .0   66.1
   FEB 0600 21      0.       .0   66.0 * 28 FEB 1415  54      1.       .0   66.3 * 28 FEB 2230  87      0.       .0   66.1
28 FEB 0615 22      0.       .0   66.0 * 28 FEB 1430  55      1.       .0   66.2 * 28 FEB 2245  88      0.       .0   66.1
28 FEB 0630 23      0.       .0   66.0 * 28 FEB 1445  56      1.       .0   66.2 * 28 FEB 2300  89      0.       .0   66.1
28 FEB 0645 24      0.       .0   66.0 * 28 FEB 1500  57      1.       .0   66.2 * 28 FEB 2315  90      0.       .0   66.1
28 FEB 0700 25      0.       .0   66.0 * 28 FEB 1515  58      0.       .0   66.1 * 28 FEB 2330  91      0.       .0   66.1
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28 FEB 0715  26      0.      .0    66.0 * 28 FEB 1530  59      0.      .0    66.1 * 28 FEB 2345  92      0.      .0    66.1
28 FEB 0730  27      0.      .0    66.0 * 28 FEB 1545  60      0.      .0    66.1 *  1 MAR 0000  93      0.      .0    66.1
28 FEB 0745  28      0.      .0    66.0 * 28 FEB 1600  61      0.      .0    66.1 *  1 MAR 0015  94      0.      .0    66.1
28 FEB 0800  29      0.      .0    66.0 * 28 FEB 1615  62      0.      .0    66.1 *  1 MAR 0030  95      0.      .0    6
28 FEB 0815  30      0.      .0    66.0 * 28 FEB 1630  63      0.      .0    66.1 *  1 MAR 0045  96      0.      .0    66
28 FEB 0830  31      0.      .0    66.0 * 28 FEB 1645  64      0.      .0    66.1 *  1 MAR 0100  97      0.      .0    66.
28 FEB 0845  32      0.      .0    66.0 * 28 FEB 1700  65      0.      .0    66.1 *
28 FEB 0900  33      0.      .0    66.0 * 28 FEB 1715  66      0.      .0    66.1 *
                                        *                                        *
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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+      3.     12.50                   1.          0.          0.          0.
                       (INCHES)    1.791       2.162       2.162       2.162
                        (AC-FT)      0.          0.          0.          0.

 PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       0.     12.50                   0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    66.44     12.50                 66.17       66.06       66.06       66.06

                       CUMULATIVE AREA =     .00 SQ MI
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          **************
          *            *
 84 KK    *      NB5   *
          *            *
          **************

 85 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

 87 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .02  SUBBASIN AREA

              PRECIPITATION DATA

 88 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                STORM AREA =     .02

 89 LS        SCS LOSS RATE
                    STRTL        .53  INITIAL ABSTRACTION
                   CRVNBR      79.00  CURVE NUMBER
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RTIMP .00 PERCENT IMPERVIOUS AREA

90 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .32 LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES

11.	18.	9.	4.	1.	1.	0.	0.

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HYDROGRAPH AT STATION N85

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.10	.33	.77	15.
28	FEB	0115	2	.01	.01	.00	0.	*	28	FEB	1330	51	.28	.06	.22	20.
28	FEB	0130	3	.01	.01	.00	0.	*	28	FEB	1345	52	.18	.04	.14	14.
28	FEB	0145	4	.01	.01	.00	0.	*	28	FEB	1400	53	.14	.03	.11	9.
28	FEB	0200	5	.01	.01	.00	0.	*	28	FEB	1415	54	.08	.02	.07	6.
28	FEB	0215	6	.01	.01	.00	0.	*	28	FEB	1430	55	.07	.01	.06	4.
28	FEB	0230	7	.01	.01	.00	0.	*	28	FEB	1445	56	.06	.01	.05	3.
28	FEB	0245	8	.01	.01	.00	0.	*	28	FEB	1500	57	.06	.01	.05	3.
28	FEB	0300	9	.01	.01	.00	0.	*	28	FEB	1515	58	.05	.01	.04	2.
28	FEB	0315	10	.01	.01	.00	0.	*	28	FEB	1530	59	.05	.01	.04	2.
28	FEB	0330	11	.01	.01	.00	0.	*	28	FEB	1545	60	.04	.01	.04	2.
28	FEB	0345	12	.01	.01	.00	0.	*	28	FEB	1600	61	.04	.01	.03	2.
28	FEB	0400	13	.01	.01	.00	0.	*	28	FEB	1615	62	.05	.01	.04	2.
28	FEB	0415	14	.01	.01	.00	0.	*	28	FEB	1630	63	.05	.01	.04	2.
28	FEB	0430	15	.01	.01	.00	0.	*	28	FEB	1645	64	.04	.01	.04	2.
28	FEB	0445	16	.01	.01	.00	0.	*	28	FEB	1700	65	.04	.01	.03	2.
28	FEB	0500	17	.02	.02	.00	0.	*	28	FEB	1715	66	.04	.01	.03	2.
28	FEB	0515	18	.02	.02	.00	0.	*	28	FEB	1730	67	.04	.01	.03	1.
28	FEB	0530	19	.02	.02	.00	0.	*	28	FEB	1745	68	.04	.01	.03	1.
28	FEB	0545	20	.02	.02	.00	0.	*	28	FEB	1800	69	.04	.01	.03	1.
28	FEB	0600	21	.02	.02	.00	0.	*	28	FEB	1815	70	.03	.01	.03	1.
28	FEB	0615	22	.02	.02	.00	0.	*	28	FEB	1830	71	.03	.00	.03	1.
28	FEB	0630	23	.02	.02	.00	0.	*	28	FEB	1845	72	.03	.00	.03	1.
28	FEB	0645	24	.02	.02	.00	0.	*	28	FEB	1900	73	.03	.00	.03	1.
28	FEB	0700	25	.02	.02	.00	0.	*	28	FEB	1915	74	.02	.00	.02	1.
28	FEB	0715	26	.03	.03	.00	0.	*	28	FEB	1930	75	.02	.00	.02	1.
28	FEB	0730	27	.03	.03	.00	0.	*	28	FEB	1945	76	.02	.00	.02	1.
28	FEB	0745	28	.03	.03	.00	0.	*	28	FEB	2000	77	.02	.00	.02	1.
28	FEB	0800	29	.03	.03	.00	0.	*	28	FEB	2015	78	.02	.00	.01	1.
28	FEB	0815	30	.03	.03	.00	0.	*	28	FEB	2030	79	.02	.00	.01	1.
28	FEB	0830	31	.04	.04	.00	0.	*	28	FEB	2045	80	.02	.00	.01	1.
28	FEB	0845	32	.04	.04	.00	0.	*	28	FEB	2100	81	.02	.00	.01	1.
28	FEB	0900	33	.04	.04	.00	0.	*	28	FEB	2115	82	.02	.00	.01	1.
28	FEB	0915	34	.04	.04	.00	0.	*	28	FEB	2130	83	.02	.00	.01	1.
28	FEB	0930	35	.04	.04	.00	0.	*	28	FEB	2145	84	.01	.00	.01	1.
28	FEB	0945	36	.04	.04	.01	0.	*	28	FEB	2200	85	.01	.00	.01	1.
28	FEB	1000	37	.05	.04	.01	0.	*	28	FEB	2215	86	.01	.00	.01	1.
28	FEB	1015	38	.04	.03	.01	0.	*	28	FEB	2230	87	.01	.00	.01	1.
28	FEB	1030	39	.04	.03	.01	0.	*	28	FEB	2245	88	.01	.00	.01	1.
28	FEB	1045	40	.05	.04	.01	0.	*	28	FEB	2300	89	.01	.00	.01	1.
28	FEB	1100	41	.05	.04	.01	0.	*	28	FEB	2315	90	.01	.00	.01	1.
28	FEB	1115	42	.05	.04	.02	1.	*	28	FEB	2330	91	.01	.00	.01	0.
28	FEB	1130	43	.06	.04	.02	1.	*	28	FEB	2345	92	.01	.00	.01	0.
28	FEB	1145	44	.07	.04	.02	1.	*	1	MAR	0000	93	.01	.00	.01	0.
28	FEB	1200	45	.08	.05	.03	1.	*	1	MAR	0015	94	.01	.00	.01	0.

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28 FEB 1215   46    .13    .08    .05      1.     *     1 MAR 0030   95    .01    .00    .01      0.
28 FEB 1230   47    .16    .09    .07      2.     *     1 MAR 0045   96    .01    .00    .01      0.
28 FEB 1245   48    .23    .11    .11      3.     *     1 MAR 0100   97    .01    .00    .01      0.
28 FEB 1300   49    .49    .21    .28      6.     *
                                                  *
*****************************************************************************************************************

   TOTAL RAINFALL =    5.20, TOTAL LOSS =    2.23, TOTAL EXCESS =    2.97

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     20.     12.50                  4.          1.          1.          1.
                       (INCHES)    2.407       2.956       2.956       2.956
                        (AC-FT)      2.          3.          3.          3.

                        CUMULATIVE AREA =     .02 SQ MI


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          **************
          *            *
 91 KK    *    NB5SWP  *
          *            *
          **************

 92 KO         OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                             ROUTING THROUGH WETLAND 3B

            HYDROGRAPH ROUTING DATA

 94 RS         STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC      67.20  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

 95 SA             AREA        1.1       1.6       3.7

 96 SE         ELEVATION      66.50     67.20     68.20

 97 SS         SPILLWAY
                      CREL      68.10  SPILLWAY CREST ELEVATION
                     SPWID      30.00  SPILLWAY WIDTH
                      COQW       3.00  WEIR COEFFICIENT
                      EXPW       1.50  EXPONENT OF HEAD

                                                        ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .93      3.51
        ELEVATION      66.50     67.20     68.20

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00       .00       .00       .01       .03       .06       .11       .17       .25
        ELEVATION      66.50     68.10     68.10     68.10     68.10     68.10     68.11     68.11     68.12     68.12
```

OUTFLOW	.36	.49	.65	.84	1.07	1.34	1.65	2.00	2.40	2.85
ELEVATION	68.13	68.13	68.14	68.14	68.15	68.16	68.17	68.18	68.19	68.20

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.93	3.15	3.19	3.24	3.29	3.34	3.40	3.47	3.51
OUTFLOW	.00	.00	.00	.11	.36	.65	1.07	1.65	2.40	2.85
ELEVATION	66.50	67.20	68.10	68.11	68.13	68.14	68.15	68.17	68.19	68.20

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HYDROGRAPH AT STATION NB5SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.9	67.2	28	FEB	0915	34	0.	.9	67.2	28	FEB	1730	67	0.	3.1	68.1
28	FEB	0115	2	0.	.9	67.2	28	FEB	0930	35	0.	.9	67.2	28	FEB	1745	68	0.	3.2	68.1
28	FEB	0130	3	0.	.9	67.2	28	FEB	0945	36	0.	.9	67.2	28	FEB	1800	69	0.	3.2	68.1
28	FEB	0145	4	0.	.9	67.2	28	FEB	1000	37	0.	.9	67.2	28	FEB	1815	70	0.	3.2	68.1
28	FEB	0200	5	0.	.9	67.2	28	FEB	1015	38	0.	.9	67.2	28	FEB	1830	71	0.	3.2	68.1
28	FEB	0215	6	0.	.9	67.2	28	FEB	1030	39	0.	1.0	67.2	28	FEB	1845	72	0.	3.3	68.1
28	FEB	0230	7	0.	.9	67.2	28	FEB	1045	40	0.	1.0	67.2	28	FEB	1900	73	1.	3.3	68.1
28	FEB	0245	8	0.	.9	67.2	28	FEB	1100	41	0.	1.0	67.2	28	FEB	1915	74	1.	3.3	68.1
28	FEB	0300	9	0.	.9	67.2	28	FEB	1115	42	0.	1.0	67.2	28	FEB	1930	75	1.	3.3	68.1
28	FEB	0315	10	0.	.9	67.2	28	FEB	1130	43	0.	1.0	67.2	28	FEB	1945	76	1.	3.3	68.1
28	FEB	0330	11	0.	.9	67.2	28	FEB	1145	44	0.	1.0	67.2	28	FEB	2000	77	1.	3.3	68.1
28	FEB	0345	12	0.	.9	67.2	28	FEB	1200	45	0.	1.0	67.2	28	FEB	2015	78	1.	3.3	68.1
[illegible]	FEB	0400	13	0.	.9	67.2	28	FEB	1215	46	0.	1.0	67.2	28	FEB	2030	79	1.	3.3	68.1
[illegible]	FEB	0415	14	0.	.9	67.2	28	FEB	1230	47	0.	1.1	67.3	28	FEB	2045	80	1.	3.3	68.1
28	FEB	0430	15	0.	.9	67.2	28	FEB	1245	48	0.	1.1	67.3	28	FEB	2100	81	1.	3.3	68.1
28	FEB	0445	16	0.	.9	67.2	28	FEB	1300	49	0.	1.2	67.3	28	FEB	2115	82	1.	3.3	68.1
28	FEB	0500	17	0.	.9	67.2	28	FEB	1315	50	0.	1.4	67.4	28	FEB	2130	83	1.	3.3	68.1
28	FEB	0515	18	0.	.9	67.2	28	FEB	1330	51	0.	1.8	67.6	28	FEB	2145	84	1.	3.3	68.1
28	FEB	0530	19	0.	.9	67.2	28	FEB	1345	52	0.	2.1	67.7	28	FEB	2200	85	1.	3.3	68.1
28	FEB	0545	20	0.	.9	67.2	28	FEB	1400	53	0.	2.4	67.8	28	FEB	2215	86	1.	3.3	68.1
28	FEB	0600	21	0.	.9	67.2	28	FEB	1415	54	0.	2.5	67.8	28	FEB	2230	87	1.	3.3	68.1
28	FEB	0615	22	0.	.9	67.2	28	FEB	1430	55	0.	2.6	67.9	28	FEB	2245	88	1.	3.3	68.1
28	FEB	0630	23	0.	.9	67.2	28	FEB	1445	56	0.	2.7	67.9	28	FEB	2300	89	1.	3.3	68.1
28	FEB	0645	24	0.	.9	67.2	28	FEB	1500	57	0.	2.8	67.9	28	FEB	2315	90	1.	3.3	68.1
28	FEB	0700	25	0.	.9	67.2	28	FEB	1515	58	0.	2.8	68.0	28	FEB	2330	91	1.	3.3	68.1
28	FEB	0715	26	0.	.9	67.2	28	FEB	1530	59	0.	2.9	68.0	28	FEB	2345	92	1.	3.3	68.1
28	FEB	0730	27	0.	.9	67.2	28	FEB	1545	60	0.	2.9	68.0	1	MAR	0000	93	1.	3.3	68.1
28	FEB	0745	28	0.	.9	67.2	28	FEB	1600	61	0.	2.9	68.0	1	MAR	0015	94	1.	3.3	68.1
28	FEB	0800	29	0.	.9	67.2	28	FEB	1615	62	0.	3.0	68.0	1	MAR	0030	95	1.	3.3	68.1
28	FEB	0815	30	0.	.9	67.2	28	FEB	1630	63	0.	3.0	68.0	1	MAR	0045	96	1.	3.3	68.1
28	FEB	0830	31	0.	.9	67.2	28	FEB	1645	64	0.	3.0	68.1	1	MAR	0100	97	1.	3.3	68.1
28	FEB	0845	32	0.	.9	67.2	28	FEB	1700	65	0.	3.1	68.1							
28	FEB	0900	33	0.	.9	67.2	28	FEB	1715	66	0.	3.1	68.1							

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 1.	19.00		1.	0.	0.	0.
		(INCHES)	.344	.379	.379	.379
		(AC-FT)	0.	0.	0.	0.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR

```
+  (AC-FT)      (HR)
       3.     18.75                    3.          2.          2.          2.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR        24-HR       72-HR      24.00-HR
+   (FEET)      (HR)
    68.14     19.00                 68.14       67.62       67.62       67.62

                        CUMULATIVE AREA =      .02 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


           **************
           *            *
  98 KK    *      NB4   *
           *            *
           **************

  99 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

 101 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .04  SUBBASIN AREA

                 PRECIPITATION DATA

 102 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =      .04

 103 LS          SCS LOSS RATE
                       STRTL         .56  INITIAL ABSTRACTION
                      CRVNBR       78.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 104 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .45  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                        UNIT HYDROGRAPH
                                                    11 END-OF-PERIOD ORDINATES
                11.       30.       26.       13.        7.        3.        2.        1.        0.        0.
                 0.

*****************************************************************************************************************************

                                                HYDROGRAPH AT STATION      NB4

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
```

						*							
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.10	.35	.75	21.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.28	.07	.21	34.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.04	.14	32.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.03	.11	23.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.02	.07	16.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.01	.06	12.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.01	.05	9.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.01	.05	7.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.01	.04	5.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.01	.04	5.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.01	.04	4.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.01	.03	4.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.01	.04	4.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.01	.04	3.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.01	.04	3.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.01	.03	3.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.03	3.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	3.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	3.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	3.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.01	.03	3.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.01	.03	3.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.01	.03	3.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	3.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	2.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	2.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	2.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.01	2.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.01	1.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.01	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.01	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.04	.04	.00	0.	*	28 FEB 2145	84	.01	.00	.01	1.
28 FEB 0945	36	.04	.04	.00	0.	*	28 FEB 2200	85	.01	.00	.01	1.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.01	.00	.01	1.
28 FEB 1015	38	.04	.03	.01	0.	*	28 FEB 2230	87	.01	.00	.01	1.
28 FEB 1030	39	.04	.04	.01	1.	*	28 FEB 2245	88	.01	.00	.01	1.
28 FEB 1045	40	.05	.04	.01	1.	*	28 FEB 2300	89	.01	.00	.01	1.
28 FEB 1100	41	.05	.04	.01	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.05	.04	.01	1.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.06	.04	.02	1.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.07	.05	.02	1.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.08	.05	.03	2.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.08	.05	2.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.09	.06	3.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.23	.12	.11	5.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.49	.22	.27	9.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.32, TOTAL EXCESS = 2.88

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 34.	12.50		9.	3.	3.	3.
		(INCHES)	2.332	2.857	2.857	2.857
		(AC-FT)	4.	5.	5.	5.

CUMULATIVE AREA = .04 SQ MI

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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

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          *            *
108 KK    *    NB4CHL  *
          *            *
          **************

109 KO         OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH NORTH BRANCH TO COMMERCE WAY

            HYDROGRAPH ROUTING DATA

111 RS         STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC     61.60  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

112 SA              AREA         .0       .5       .7       .9      1.3

113 SE         ELEVATION      61.60    64.00    64.50    65.00    66.00

114 SL         LOW-LEVEL OUTLET
                     ELEVL     62.60  ELEVATION AT CENTER OF OUTLET
                     CAREA      3.14  CROSS-SECTIONAL AREA
                      COQL       .60  COEFFICIENT
                      EXPL       .50  EXPONENT OF HEAD

115 SS         SPILLWAY
                      CREL     64.90  SPILLWAY CREST ELEVATION
                     SPWID       .00  SPILLWAY WIDTH
                      COQW       .00  WEIR COEFFICIENT
                      EXPW      1.50  EXPONENT OF HEAD

                                                  ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00      .41      .72     1.14     2.24
        ELEVATION     61.60    64.00    64.50    65.00    66.00

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00      .00    14.61    15.41    16.30    17.30    18.43    19.71    21.19    22.91
        ELEVATION     61.60    62.60    63.54    63.64    63.76    63.91    64.09    64.30    64.57    64.90


                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      .03      .22      .25      .30      .37      .41      .46      .59      .72
          OUTFLOW       .00      .00    14.61    15.41    16.30    17.30    17.88    18.43    19.71    20.83
        ELEVATION     61.60    62.60    63.54    63.64    63.76    63.91    64.00    64.09    64.30    64.50

          STORAGE       .77     1.05     1.14     2.24
          OUTFLOW     21.19    22.91    23.41    27.86
        ELEVATION     64.57    64.90    65.00    66.00

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HYDROGRAPH AT STATION NB4CHL

MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
[illegible]	FEB	0100	1	0.	.0	61.6	28	FEB	0915	34	0.	.0	61.6	28	FEB	1730	67	145.	31.2	92.3
28	FEB	0115	2	0.	.0	61.6	28	FEB	0930	35	0.	.0	61.7	28	FEB	1745	68	144.	31.0	92.2
28	FEB	0130	3	0.	.0	61.6	28	FEB	0945	36	0.	.0	61.9	28	FEB	1800	69	142.	30.4	91.6
28	FEB	0145	4	0.	.0	61.6	28	FEB	1000	37	0.	.0	62.1	28	FEB	1815	70	137.	29.2	90.5
28	FEB	0200	5	0.	.0	61.6	28	FEB	1015	38	0.	.0	62.4	28	FEB	1830	71	131.	27.8	89.2
28	FEB	0215	6	0.	.0	61.6	28	FEB	1030	39	0.	.0	62.6	28	FEB	1845	72	126.	26.4	88.0
28	FEB	0230	7	0.	.0	61.6	28	FEB	1045	40	1.	.0	62.7	28	FEB	1900	73	120.	25.1	86.7
28	FEB	0245	8	0.	.0	61.6	28	FEB	1100	41	2.	.1	62.7	28	FEB	1915	74	115.	23.8	85.6
28	FEB	0300	9	0.	.0	61.6	28	FEB	1115	42	4.	.1	62.9	28	FEB	1930	75	110.	22.5	84.4
28	FEB	0315	10	0.	.0	61.6	28	FEB	1130	43	6.	.1	63.0	28	FEB	1945	76	105.	21.2	83.3
28	FEB	0330	11	0.	.0	61.6	28	FEB	1145	44	8.	.1	63.1	28	FEB	2000	77	100.	20.0	82.1
28	FEB	0345	12	0.	.0	61.6	28	FEB	1200	45	11.	.2	63.3	28	FEB	2015	78	95.	18.8	81.0
28	FEB	0400	13	0.	.0	61.6	28	FEB	1215	46	15.	.2	63.6	28	FEB	2030	79	90.	17.6	80.0
28	FEB	0415	14	0.	.0	61.6	28	FEB	1230	47	18.	.4	63.9	28	FEB	2045	80	85.	16.5	78.9
28	FEB	0430	15	0.	.0	61.6	28	FEB	1245	48	21.	.8	64.6	28	FEB	2100	81	81.	15.4	78.0
28	FEB	0445	16	0.	.0	61.6	28	FEB	1300	49	26.	1.7	65.5	28	FEB	2115	82	77.	14.4	77.1
28	FEB	0500	17	0.	.0	61.6	28	FEB	1315	50	34.	3.8	67.4	28	FEB	2130	83	73.	13.5	76.2
28	FEB	0515	18	0.	.0	61.6	28	FEB	1330	51	49.	7.4	70.7	28	FEB	2145	84	70.	12.6	75.4
28	FEB	0530	19	0.	.0	61.6	28	FEB	1345	52	66.	11.6	74.5	28	FEB	2200	85	66.	11.8	74.7
28	FEB	0545	20	0.	.0	61.6	28	FEB	1400	53	81.	15.3	77.9	28	FEB	2215	86	63.	11.0	74.0
28	FEB	0600	21	0.	.0	61.6	28	FEB	1415	54	93.	18.3	80.6	28	FEB	2230	87	60.	10.3	73.3
28	FEB	0615	22	0.	.0	61.6	28	FEB	1430	55	103.	20.7	82.8	28	FEB	2245	88	58.	9.6	72.7
28	FEB	0630	23	0.	.0	61.6	28	FEB	1445	56	110.	22.6	84.5	28	FEB	2300	89	55.	9.0	72.2
28	FEB	0645	24	0.	.0	61.6	28	FEB	1500	57	117.	24.2	86.0	28	FEB	2315	90	53.	8.4	71.6
28	FEB	0700	25	0.	.0	61.6	28	FEB	1515	58	122.	25.6	87.2	28	FEB	2330	91	51.	7.9	71.2
28	FEB	0715	26	0.	.0	61.6	28	FEB	1530	59	127.	26.8	88.3	28	FEB	2345	92	49.	7.4	70.7
[illegible]	FEB	0730	27	0.	.0	61.6	28	FEB	1545	60	131.	27.8	89.2	1	MAR	0000	93	47.	7.0	70.3
[illegible]	FEB	0745	28	0.	.0	61.6	28	FEB	1600	61	135.	28.7	90.0	1	MAR	0015	94	45.	6.5	69.9
[illegible]	FEB	0800	29	0.	.0	61.6	28	FEB	1615	62	138.	29.4	90.7	1	MAR	0030	95	44.	6.1	69.5
28	FEB	0815	30	0.	.0	61.6	28	FEB	1630	63	140.	30.0	91.2	1	MAR	0045	96	42.	5.8	69.2
28	FEB	0830	31	0.	.0	61.6	28	FEB	1645	64	142.	30.5	91.7	1	MAR	0100	97	41.	5.4	68.9
28	FEB	0845	32	0.	.0	61.6	28	FEB	1700	65	144.	30.9	92.1							
28	FEB	0900	33	0.	.0	61.6	28	FEB	1715	66	145.	31.2	92.3							

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
145.	16.50		126.	48.	48.	48.
		(INCHES)	1.084	1.645	1.645	1.645
		(AC-FT)	62.	95.	95.	95.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
31.	16.50	26.	9.	9.	9.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.00-HR
92.33	16.50	88.03	71.38	71.38	71.38

CUMULATIVE AREA = 1.08 SQ MI

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                **************
                *            *
116 KK          *     HP3A   *
                *            *
                **************

117 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

119 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .04  SUBBASIN AREA

                PRECIPITATION DATA

120 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                   STORM AREA =     .04

121 LS          SCS LOSS RATE
                      STRTL        .50  INITIAL ABSTRACTION
                     CRVNBR      80.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

122 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .50  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              12 END-OF-PERIOD ORDINATES
                8.      25.      25.      15.       8.       4.       2.       1.       1.       0.
                0.       0.
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HYDROGRAPH AT STATION HP3A

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.10	.30	.80	19.
28	FEB	0115	2	.01	.01	.00	0.	*	28	FEB	1330	51	.28	.06	.22	32.
28	FEB	0130	3	.01	.01	.00	0.	*	28	FEB	1345	52	.18	.03	.14	33.
28	FEB	0145	4	.01	.01	.00	0.	*	28	FEB	1400	53	.14	.03	.11	25.
28	FEB	0200	5	.01	.01	.00	0.	*	28	FEB	1415	54	.08	.01	.07	18.
28	FEB	0215	6	.01	.01	.00	0.	*	28	FEB	1430	55	.07	.01	.06	13.
28	FEB	0230	7	.01	.01	.00	0.	*	28	FEB	1445	56	.06	.01	.05	10.
28	FEB	0245	8	.01	.01	.00	0.	*	28	FEB	1500	57	.06	.01	.05	7.
28	FEB	0300	9	.01	.01	.00	0.	*	28	FEB	1515	58	.05	.01	.04	6.
28	FEB	0315	10	.01	.01	.00	0.	*	28	FEB	1530	59	.05	.01	.04	5.
28	FEB	0330	11	.01	.01	.00	0.	*	28	FEB	1545	60	.04	.01	.04	4.
28	FEB	0345	12	.01	.01	.00	0.	*	28	FEB	1600	61	.04	.01	.04	4.
28	FEB	0400	13	.01	.01	.00	0.	*	28	FEB	1615	62	.05	.01	.04	4.

28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.01	.04	4.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.01	.04	3.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.01	.04	3.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.03	3.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	3.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	3.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	3.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.00	.03	3.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.00	.03	3.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	3.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	3.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	2.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	2.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	2.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.02	2.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.01	2.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.01	1.
28 FEB 0830	31	.04	.03	.00	0.	*	28 FEB 2045	80	.02	.00	.01	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.04	.04	.01	0.	*	28 FEB 2145	84	.01	.00	.01	1.
28 FEB 0945	36	.04	.04	.01	0.	*	28 FEB 2200	85	.01	.00	.01	1.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.01	.00	.01	1.
28 FEB 1015	38	.04	.03	.01	1.	*	28 FEB 2230	87	.01	.00	.01	1.
28 FEB 1030	39	.04	.03	.01	1.	*	28 FEB 2245	88	.01	.00	.01	1.
28 FEB 1045	40	.05	.03	.01	1.	*	28 FEB 2300	89	.01	.00	.01	1.
28 FEB 1100	41	.05	.04	.01	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.05	.04	.02	1.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.06	.04	.02	1.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.07	.04	.02	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.08	.05	.03	2.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.07	.05	2.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.08	.07	3.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.23	.11	.12	5.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.49	.19	.30	9.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.13, TOTAL EXCESS = 3.07

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 33.	12.75		9.	3.	3.	3.
		(INCHES)	2.469	3.040	3.040	3.040
		(AC-FT)	5.	6.	6.	6.

CUMULATIVE AREA = .04 SQ MI

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          **************
          *            *
123 KK    *    5DSWP   *
          *            *
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124 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL

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                    QSCAL          0.  HYDROGRAPH PLOT SCALE
                            DIRECT INPUT OF HYDROGRAPH FROM UPPER SOUTH POND

  6 IN          TIME DATA FOR INPUT TIME SERIES
                     JXMIN         15  TIME INTERVAL IN MINUTES
                    JXDATE     28FEB91  STARTING DATE
                    JXTIME        100  STARTING TIME

             SUBBASIN RUNOFF DATA

 126 BA         SUBBASIN CHARACTERISTICS
                     TAREA        .26  SUBBASIN AREA

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HYDROGRAPH AT STATION 5DSWP

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
28	FEB	0100	1	0.	28	FEB	0715	26	3.	28	FEB	1330	51	25.	28	FEB	1945	76	38.
28	FEB	0115	2	0.	28	FEB	0730	27	3.	28	FEB	1345	52	35.	28	FEB	2000	77	38.
28	FEB	0130	3	0.	28	FEB	0745	28	4.	28	FEB	1400	53	37.	28	FEB	2015	78	37.
28	FEB	0145	4	0.	28	FEB	0800	29	4.	28	FEB	1415	54	39.	28	FEB	2030	79	37.
28	FEB	0200	5	0.	28	FEB	0815	30	4.	28	FEB	1430	55	40.	28	FEB	2045	80	37.
28	FEB	0215	6	0.	28	FEB	0830	31	4.	28	FEB	1445	56	40.	28	FEB	2100	81	36.
28	FEB	0230	7	0.	28	FEB	0845	32	4.	28	FEB	1500	57	41.	28	FEB	2115	82	36.
28	FEB	0245	8	0.	28	FEB	0900	33	4.	28	FEB	1515	58	41.	28	FEB	2130	83	35.
28	FEB	0300	9	0.	28	FEB	0915	34	4.	28	FEB	1530	59	41.	28	FEB	2145	84	35
28	FEB	0315	10	0.	28	FEB	0930	35	4.	28	FEB	1545	60	41.	28	FEB	2200	85	33.
28	FEB	0330	11	0.	28	FEB	0945	36	4.	28	FEB	1600	61	41.	28	FEB	2215	86	32.
28	FEB	0345	12	0.	28	FEB	1000	37	4.	28	FEB	1615	62	41.	28	FEB	2230	87	31.
28	FEB	0400	13	0.	28	FEB	1015	38	5.	28	FEB	1630	63	41.	28	FEB	2245	88	30.
28	FEB	0415	14	0.	28	FEB	1030	39	5.	28	FEB	1645	64	41.	28	FEB	2300	89	30.
28	FEB	0430	15	0.	28	FEB	1045	40	5.	28	FEB	1700	65	40.	28	FEB	2315	90	29.
28	FEB	0445	16	1.	28	FEB	1100	41	5.	28	FEB	1715	66	40.	28	FEB	2330	91	28.
28	FEB	0500	17	1.	28	FEB	1115	42	6.	28	FEB	1730	67	40.	28	FEB	2345	92	27.
28	FEB	0515	18	2.	28	FEB	1130	43	6.	28	FEB	1745	68	40.	1	MAR	0000	93	27.
28	FEB	0530	19	2.	28	FEB	1145	44	7.	28	FEB	1800	69	40.	1	MAR	0015	94	26.
28	FEB	0545	20	2.	28	FEB	1200	45	7.	28	FEB	1815	70	40.	1	MAR	0030	95	26.
28	FEB	0600	21	3.	28	FEB	1215	46	8.	28	FEB	1830	71	39.	1	MAR	0045	96	25.
28	FEB	0615	22	3.	28	FEB	1230	47	9.	28	FEB	1845	72	39.	1	MAR	0100	97	25.
28	FEB	0630	23	3.	28	FEB	1245	48	10.	28	FEB	1900	73	39.					
28	FEB	0645	24	3.	28	FEB	1300	49	12.	28	FEB	1915	74	39.					
28	FEB	0700	25	3.	28	FEB	1315	50	17.	28	FEB	1930	75	38.					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 41.	14.00		40.	19.	19.	19.
		(INCHES)	1.414	2.713	2.713	2.713
		(AC-FT)	20.	38.	38.	38.

CUMULATIVE AREA = .26 SQ MI

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          *            *
140 KK    *   HP3ASP   *
          *            *
          **************

141 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             ROUTING THROUGH E/W HIDE PILE WETLAND

            HYDROGRAPH ROUTING DATA

143 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      69.40  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

144 SA             AREA        1.9       3.2       7.4

145 SE        ELEVATION      69.00     70.00     71.50

146 SL        LOW-LEVEL OUTLET
                    ELEVL      70.20  ELEVATION AT CENTER OF OUTLET
                    CAREA       1.23  CROSS-SECTIONAL AREA
                     COQL        .60  COEFFICIENT
                     EXPL        .50  EXPONENT OF HEAD

147 SS        SPILLWAY
                     CREL      74.20  SPILLWAY CREST ELEVATION
                    SPWID        .00  SPILLWAY WIDTH
                     COQW        .00  WEIR COEFFICIENT
                     EXPW       1.00  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00      2.50     10.18
        ELEVATION     69.00     70.00     71.50

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00       .00      4.68      5.12      5.65      6.31      7.15      8.24      9.71     11.84
        ELEVATION     69.00     70.20     70.82     70.95     71.11     71.34     71.66     72.14     72.89     74.20

                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      2.50      3.18      5.94      6.61      7.58      9.03     10.18     11.39     15.58
          OUTFLOW       .00       .00       .00      4.68      5.12      5.65      6.31      6.75      7.15      8.24
        ELEVATION     69.00     70.00     70.20     70.82     70.95     71.11     71.34     71.50     71.66     72.14

          STORAGE     24.05     44.86
          OUTFLOW      9.71     11.84
        ELEVATION     72.89     74.20

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                                        HYDROGRAPH AT STATION   HP3ASP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.8	69.3	28	FEB	0915	34	0.	2.0	69.8	28	FEB	1730	67	9.	19.7	72.5
28	FEB	0115	2	0.	.8	69.3	28	FEB	0930	35	0.	2.1	69.8	28	FEB	1745	68	9.	20.4	72.[illegible]
28	FEB	0130	3	0.	.8	69.3	28	FEB	0945	36	0.	2.2	69.9	28	FEB	1800	69	9.	21.1	[illegible]
28	FEB	0145	4	0.	.8	69.3	28	FEB	1000	37	0.	2.3	69.9	28	FEB	1815	70	9.	21.8	7[illegible]
28	FEB	0200	5	0.	.8	69.3	28	FEB	1015	38	0.	2.4	69.9	28	FEB	1830	71	9.	22.4	72.[illegible]
28	FEB	0215	6	0.	.8	69.3	28	FEB	1030	39	0.	2.5	70.0	28	FEB	1845	72	10.	23.1	72.8
28	FEB	0230	7	0.	.8	69.3	28	FEB	1045	40	0.	2.6	70.0	28	FEB	1900	73	10.	23.8	72.9
28	FEB	0245	8	0.	.8	69.3	28	FEB	1100	41	0.	2.7	70.1	28	FEB	1915	74	10.	24.4	72.9
28	FEB	0300	9	0.	.8	69.3	28	FEB	1115	42	0.	2.9	70.1	28	FEB	1930	75	10.	25.1	73.0
28	FEB	0315	10	0.	.8	69.3	28	FEB	1130	43	0.	3.0	70.1	28	FEB	1945	76	10.	25.7	73.0
28	FEB	0330	11	0.	.8	69.3	28	FEB	1145	44	0.	3.2	70.2	28	FEB	2000	77	10.	26.3	73.0
28	FEB	0345	12	0.	.8	69.3	28	FEB	1200	45	0.	3.3	70.2	28	FEB	2015	78	10.	26.9	73.1
28	FEB	0400	13	0.	.8	69.3	28	FEB	1215	46	1.	3.5	70.3	28	FEB	2030	79	10.	27.5	73.1
28	FEB	0415	14	0.	.8	69.3	28	FEB	1230	47	1.	3.7	70.3	28	FEB	2045	80	10.	28.1	73.1
28	FEB	0430	15	0.	.8	69.3	28	FEB	1245	48	1.	4.0	70.4	28	FEB	2100	81	10.	28.6	73.2
28	FEB	0445	16	0.	.9	69.3	28	FEB	1300	49	2.	4.3	70.5	28	FEB	2115	82	10.	29.2	73.2
28	FEB	0500	17	0.	.9	69.4	28	FEB	1315	50	3.	4.9	70.6	28	FEB	2130	83	10.	29.8	73.3
28	FEB	0515	18	0.	.9	69.4	28	FEB	1330	51	4.	5.8	70.8	28	FEB	2145	84	10.	30.3	73.3
28	FEB	0530	19	0.	1.0	69.4	28	FEB	1345	52	5.	7.0	71.0	28	FEB	2200	85	10.	30.8	73.3
28	FEB	0545	20	0.	1.0	69.4	28	FEB	1400	53	6.	8.2	71.2	28	FEB	2215	86	10.	31.3	73.3
28	FEB	0600	21	0.	1.0	69.4	28	FEB	1415	54	6.	9.3	71.4	28	FEB	2230	87	10.	31.7	73.4
28	FEB	0615	22	0.	1.1	69.4	28	FEB	1430	55	7.	10.3	71.5	28	FEB	2245	88	11.	32.2	73.4
28	FEB	0630	23	0.	1.2	69.5	28	FEB	1445	56	7.	11.2	71.6	28	FEB	2300	89	11.	32.6	73.4
28	FEB	0645	24	0.	1.2	69.5	28	FEB	1500	57	7.	12.1	71.7	28	FEB	2315	90	11.	33.0	73.5
28	FEB	0700	25	0.	1.3	69.5	28	FEB	1515	58	8.	12.9	71.8	28	FEB	2330	91	11.	33.4	73.5
28	FEB	0715	26	0.	1.4	69.5	28	FEB	1530	59	8.	13.7	71.9	28	FEB	2345	92	11.	33.8	73.5
28	FEB	0730	27	0.	1.4	69.6	28	FEB	1545	60	8.	14.5	72.0	1	MAR	0000	93	11.	34.1	73.5
28	FEB	0745	28	0.	1.5	69.6	28	FEB	1600	61	8.	15.3	72.1	1	MAR	0015	94	11.	34.5	73.5
28	FEB	0800	29	0.	1.6	69.6	28	FEB	1615	62	8.	16.0	72.2	1	MAR	0030	95	11.	34.8	73.6
28	FEB	0815	30	0.	1.7	69.7	28	FEB	1630	63	8.	16.8	72.2	1	MAR	0045	96	11.	35.1	73.[illegible]
28	FEB	0830	31	0.	1.7	69.7	28	FEB	1645	64	9.	17.5	72.3	1	MAR	0100	97	11.	35.4	7[illegible]
28	FEB	0845	32	0.	1.8	69.7	28	FEB	1700	65	9.	18.2	72.4							
28	FEB	0900	33	0.	1.9	69.8	28	FEB	1715	66	9.	18.9	72.4							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ 11.	24.00	(CFS)	10.	5.	5.	5.
		(INCHES)	.324	.567	.567	.567
		(AC-FT)	5.	9.	9.	9.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
+ 35.	24.00	30.	12.	12.	12.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.00-HR
+ 73.61	24.00	73.29	71.13	71.13	71.13

CUMULATIVE AREA = .30 SQ MI

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148 KK     *      HP3B  *
           *            *
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    KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

151 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .01  SUBBASIN AREA

                PRECIPITATION DATA

152 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 .......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                   STORM AREA =     .01

153 LS          SCS LOSS RATE
                      STRTL         .63  INITIAL ABSTRACTION
                     CRVNBR       76.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

154 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .19  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                 6 END-OF-PERIOD ORDINATES
              18.       11.        3.        1.        0.        0.
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HYDROGRAPH AT STATION HP3B

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.10	.39	.71	16.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.28	.08	.20	13.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.05	.13	7.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.03	.11	5.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.02	.06	3.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.02	.06	2.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.01	.05	2.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.01	.04	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.01	.04	1.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.01	.04	1.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.01	.03	1.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.01	.03	1.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.01	.04	1.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.01	.03	1.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.01	.03	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.03	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	1.

28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.01	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.01	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.01	1.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.01	0.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.01	0.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.01	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.01	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.04	.00	0.	*	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.04	.00	0.	*	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.04	.00	0.	*	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.04	.00	0.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.04	.01	0.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.04	.01	0.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.04	.01	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.04	.01	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.05	.01	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.05	.02	0.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.06	.02	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.09	.04	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.10	.06	2.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.13	.10	3.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.24	.25	6.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.50, TOTAL EXCESS = 2.70

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 16.	12.25		3.	1.	1.	1.
		(INCHES)	2.203	2.690	2.690	2.690
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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          **************
          *            *
158 KK    *   HP3BCH   *
          *            *
          **************

159 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                          STORAGE ROUTING THROUGH HP3B CHANNEL

              HYDROGRAPH ROUTING DATA
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161 RS          STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       STOR  TYPE OF INITIAL CONDITION
                    RSVRIC        .00  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

162 RC          NORMAL DEPTH CHANNEL ROUTING.
                       ANL       .080  LEFT OVERBANK N-VALUE
                      ANCH       .030  MAIN CHANNEL N-VALUE
                       ANR       .080  RIGHT OVERBANK N-VALUE
                     RLNTH       600.  REACH LENGTH
                       SEL      .0013  ENERGY SLOPE
                     ELMAX       74.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                   CROSS-SECTION DATA
                         --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
164 RY       ELEVATION    74.00    73.00    72.00    67.00    67.00    72.00    73.00    74.00
163 RX       DISTANCE       .00     5.00    10.00    15.00    20.00    25.00    30.00    35.00
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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.03	.06	.09	.13	.17	.22	.27	.32	.38
OUTFLOW	.00	1.68	5.37	10.68	17.54	25.97	36.00	47.68	61.06	76.22
ELEVATION	67.00	67.37	67.74	68.11	68.47	68.84	69.21	69.58	69.95	70.32
STORAGE	.44	.51	.57	.65	.72	.82	.93	1.06	1.21	1.38
OUTFLOW	93.20	112.09	132.94	155.82	183.46	217.20	253.96	294.01	337.61	384.96
ELEVATION	70.68	71.05	71.42	71.79	72.16	72.53	72.89	73.26	73.63	74.00

WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 2. TO 385.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION HP3BCH

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	67.0	*	28	FEB	0915	34	0.	.0	67.0	*	28	FEB	1730	67	10.	.1	68.1
28	FEB	0115	2	0.	.0	67.0	*	28	FEB	0930	35	0.	.0	67.0	*	28	FEB	1745	68	10.	.1	68.1
28	FEB	0130	3	0.	.0	67.0	*	28	FEB	0945	36	0.	.0	67.0	*	28	FEB	1800	69	10.	.1	68.1
28	FEB	0145	4	0.	.0	67.0	*	28	FEB	1000	37	0.	.0	67.0	*	28	FEB	1815	70	10.	.1	68.1
28	FEB	0200	5	0.	.0	67.0	*	28	FEB	1015	38	0.	.0	67.0	*	28	FEB	1830	71	10.	.1	68.1
28	FEB	0215	6	0.	.0	67.0	*	28	FEB	1030	39	0.	.0	67.0	*	28	FEB	1845	72	10.	.1	68.1
28	FEB	0230	7	0.	.0	67.0	*	28	FEB	1045	40	0.	.0	67.0	*	28	FEB	1900	73	10.	.1	68.1
28	FEB	0245	8	0.	.0	67.0	*	28	FEB	1100	41	0.	.0	67.0	*	28	FEB	1915	74	10.	.1	68.1
28	FEB	0300	9	0.	.0	67.0	*	28	FEB	1115	42	0.	.0	67.1	*	28	FEB	1930	75	10.	.1	68.1
28	FEB	0315	10	0.	.0	67.0	*	28	FEB	1130	43	0.	.0	67.1	*	28	FEB	1945	76	10.	.1	68.1
28	FEB	0330	11	0.	.0	67.0	*	28	FEB	1145	44	0.	.0	67.1	*	28	FEB	2000	77	10.	.1	68.1
28	FEB	0345	12	0.	.0	67.0	*	28	FEB	1200	45	1.	.0	67.1	*	28	FEB	2015	78	10.	.1	68.1
28	FEB	0400	13	0.	.0	67.0	*	28	FEB	1215	46	1.	.0	67.2	*	28	FEB	2030	79	11.	.1	68.1
28	FEB	0415	14	0.	.0	67.0	*	28	FEB	1230	47	2.	.0	67.4	*	28	FEB	2045	80	11.	.1	68.1
28	FEB	0430	15	0.	.0	67.0	*	28	FEB	1245	48	3.	.0	67.5	*	28	FEB	2100	81	11.	.1	68.1
28	FEB	0445	16	0.	.0	67.0	*	28	FEB	1300	49	6.	.1	67.8	*	28	FEB	2115	82	11.	.1	68.1
[illegible]	FEB	0500	17	0.	.0	67.0	*	28	FEB	1315	50	15.	.1	68.3	*	28	FEB	2130	83	11.	.1	68.1
[illegible]	FEB	0515	18	0.	.0	67.0	*	28	FEB	1330	51	19.	.1	68.5	*	28	FEB	2145	84	11.	.1	68.1
[illegible]	FEB	0530	19	0.	.0	67.0	*	28	FEB	1345	52	13.	.1	68.2	*	28	FEB	2200	85	11.	.1	68.1
28	FEB	0545	20	0.	.0	67.0	*	28	FEB	1400	53	11.	.1	68.1	*	28	FEB	2215	86	11.	.1	68.1
28	FEB	0600	21	0.	.0	67.0	*	28	FEB	1415	54	10.	.1	68.0	*	28	FEB	2230	87	11.	.1	68.1
28	FEB	0615	22	0.	.0	67.0	*	28	FEB	1430	55	9.	.1	68.0	*	28	FEB	2245	88	11.	.1	68.1

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28 FEB 0630  23      0.      .0    67.0 * 28 FEB 1445  56      9.      .1    68.0 * 28 FEB 2300  89     11.      .1    68.1
28 FEB 0645  24      0.      .0    67.0 * 28 FEB 1500  57      9.      .1    68.0 * 28 FEB 2315  90     11.      .1    68.1
28 FEB 0700  25      0.      .0    67.0 * 28 FEB 1515  58      9.      .1    68.0 * 28 FEB 2330  91     11.      .1    68.1
28 FEB 0715  26      0.      .0    67.0 * 28 FEB 1530  59      9.      .1    68.0 * 28 FEB 2345  92     11.      .1    68.1
28 FEB 0730  27      0.      .0    67.0 * 28 FEB 1545  60      9.      .1    68.0 *  1 MAR 0000  93     11.      .1
28 FEB 0745  28      0.      .0    67.0 * 28 FEB 1600  61      9.      .1    68.0 *  1 MAR 0015  94     11.      .1    68.1
28 FEB 0800  29      0.      .0    67.0 * 28 FEB 1615  62      9.      .1    68.0 *  1 MAR 0030  95     11.      .1    68.1
28 FEB 0815  30      0.      .0    67.0 * 28 FEB 1630  63     10.      .1    68.0 *  1 MAR 0045  96     11.      .1    68.1
28 FEB 0830  31      0.      .0    67.0 * 28 FEB 1645  64     10.      .1    68.0 *  1 MAR 0100  97     11.      .1    68.1
28 FEB 0845  32      0.      .0    67.0 * 28 FEB 1700  65     10.      .1    68.0 *
28 FEB 0900  33      0.      .0    67.0 * 28 FEB 1715  66     10.      .1    68.1 *
                                       *                                          *
*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     19.     12.50                  11.         5.          5.          5.
                       (INCHES)     .323       .650        .650        .650
                        (AC-FT)      5.         11.         11.         11.

 PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       0.     12.50                   0.         0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    68.53     12.50                 68.11      67.57       67.57       67.57

                       CUMULATIVE AREA =     .31 SQ MI


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          **************
          *            *
 165 KK   *      SB5   *
          *            *
          **************

 166 KO        OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

 168 BA        SUBBASIN CHARACTERISTICS
                     TAREA        .01  SUBBASIN AREA

               PRECIPITATION DATA

 169 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .01
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170 LS          SCS LOSS RATE
                     STRTL        .35  INITIAL ABSTRACTION
                    CRVNBR      85.00  CURVE NUMBER
                     RTIMP        .00  PERCENT IMPERVIOUS AREA

 1 UD           SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .26  LAG

                                                    ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                              UNIT HYDROGRAPH
                                          7 END-OF-PERIOD ORDINATES
            14.       16.       6.       2.       1.       0.       0.
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HYDROGRAPH AT STATION SB5

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.10	.20	.90	19.
28	FEB	0115	2	.01	.01	.00	0.	*	28	FEB	1330	51	.28	.04	.24	20.
28	FEB	0130	3	.01	.01	.00	0.	*	28	FEB	1345	52	.18	.02	.16	12.
28	FEB	0145	4	.01	.01	.00	0.	*	28	FEB	1400	53	.14	.02	.12	8.
28	FEB	0200	5	.01	.01	.00	0.	*	28	FEB	1415	54	.08	.01	.07	5.
28	FEB	0215	6	.01	.01	.00	0.	*	28	FEB	1430	55	.07	.01	.06	4.
28	FEB	0230	7	.01	.01	.00	0.	*	28	FEB	1445	56	.06	.01	.06	3.
28	FEB	0245	8	.01	.01	.00	0.	*	28	FEB	1500	57	.06	.01	.05	2.
28	FEB	0300	9	.01	.01	.00	0.	*	28	FEB	1515	58	.05	.01	.05	2.
28	FEB	0315	10	.01	.01	.00	0.	*	28	FEB	1530	59	.05	.00	.04	2.
28	FEB	0330	11	.01	.01	.00	0.	*	28	FEB	1545	60	.04	.00	.04	2.
28	FEB	0345	12	.01	.01	.00	0.	*	28	FEB	1600	61	.04	.00	.04	2.
28	FEB	0400	13	.01	.01	.00	0.	*	28	FEB	1615	62	.05	.00	.04	2.
28	FEB	0415	14	.01	.01	.00	0.	*	28	FEB	1630	63	.05	.00	.04	2.
28	FEB	0430	15	.01	.01	.00	0.	*	28	FEB	1645	64	.04	.00	.04	2.
28	FEB	0445	16	.01	.01	.00	0.	*	28	FEB	1700	65	.04	.00	.04	2.
28	FEB	0500	17	.02	.02	.00	0.	*	28	FEB	1715	66	.04	.00	.04	1.
28	FEB	0515	18	.02	.02	.00	0.	*	28	FEB	1730	67	.04	.00	.03	1.
28	FEB	0530	19	.02	.02	.00	0.	*	28	FEB	1745	68	.04	.00	.03	1.
28	FEB	0545	20	.02	.02	.00	0.	*	28	FEB	1800	69	.04	.00	.03	1.
28	FEB	0600	21	.02	.02	.00	0.	*	28	FEB	1815	70	.03	.00	.03	1.
28	FEB	0615	22	.02	.02	.00	0.	*	28	FEB	1830	71	.03	.00	.03	1.
28	FEB	0630	23	.02	.02	.00	0.	*	28	FEB	1845	72	.03	.00	.03	1.
28	FEB	0645	24	.02	.02	.00	0.	*	28	FEB	1900	73	.03	.00	.03	1.
28	FEB	0700	25	.02	.02	.00	0.	*	28	FEB	1915	74	.02	.00	.02	1.
28	FEB	0715	26	.03	.03	.00	0.	*	28	FEB	1930	75	.02	.00	.02	1.
28	FEB	0730	27	.03	.03	.00	0.	*	28	FEB	1945	76	.02	.00	.02	1.
28	FEB	0745	28	.03	.03	.00	0.	*	28	FEB	2000	77	.02	.00	.02	1.
28	FEB	0800	29	.03	.03	.00	0.	*	28	FEB	2015	78	.02	.00	.02	1.
28	FEB	0815	30	.03	.03	.00	0.	*	28	FEB	2030	79	.02	.00	.02	1.
28	FEB	0830	31	.04	.03	.01	0.	*	28	FEB	2045	80	.02	.00	.02	1.
28	FEB	0845	32	.04	.03	.01	0.	*	28	FEB	2100	81	.02	.00	.01	1.
28	FEB	0900	33	.04	.03	.01	0.	*	28	FEB	2115	82	.02	.00	.01	1.
28	FEB	0915	34	.04	.03	.01	0.	*	28	FEB	2130	83	.02	.00	.01	1.
28	FEB	0930	35	.04	.03	.01	0.	*	28	FEB	2145	84	.01	.00	.01	1.
28	FEB	0945	36	.04	.03	.01	0.	*	28	FEB	2200	85	.01	.00	.01	1.
28	FEB	1000	37	.05	.03	.02	1.	*	28	FEB	2215	86	.01	.00	.01	1.
28	FEB	1015	38	.04	.03	.01	1.	*	28	FEB	2230	87	.01	.00	.01	1.
28	FEB	1030	39	.04	.03	.02	1.	*	28	FEB	2245	88	.01	.00	.01	0.
28	FEB	1045	40	.05	.03	.02	1.	*	28	FEB	2300	89	.01	.00	.01	0.
28	FEB	1100	41	.05	.03	.02	1.	*	28	FEB	2315	90	.01	.00	.01	0.
28	FEB	1115	42	.05	.03	.03	1.	*	28	FEB	2330	91	.01	.00	.01	0.

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28 FEB 1130   43    .06    .03    .03        1.      *     28 FEB 2345   92    .01    .00    .01        0.
28 FEB 1145   44    .07    .03    .03        1.      *      1 MAR 0000   93    .01    .00    .01        0.
28 FEB 1200   45    .08    .04    .04        1.      *      1 MAR 0015   94    .01    .00    .01        0.
28 FEB 1215   46    .13    .05    .07        2.      *      1 MAR 0030   95    .01    .00    .01        0.
28 FEB 1230   47    .16    .06    .10        3.      *      1 MAR 0045   96    .01    .00    .01        0.
28 FEB 1245   48    .23    .08    .15        4.      *      1 MAR 0100   97    .01    .00    .01        0.
28 FEB 1300   49    .49    .13    .36        8.      *
                                                     *
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   TOTAL RAINFALL =    5.20, TOTAL LOSS =    1.65, TOTAL EXCESS =    3.55

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+     20.     12.50                  5.          1.          1.          1.
                      (INCHES)    2.824       3.537       3.537       3.537
                       (AC-FT)       2.          3.          3.          3.

                       CUMULATIVE AREA =     .01 SQ MI


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          *            *
 172 KK   *   SB5SWP   *
          *            *
          **************

 173 KO        OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH WETLAND 3C

             HYDROGRAPH ROUTING DATA

 175 RS        STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC      62.40  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

 176 SA             AREA        1.0       2.2       3.1       3.8

 177 SE        ELEVATION      62.00     63.00     64.00     65.00

 178 SL        LOW-LEVEL OUTLET
                     ELEVL      62.40  ELEVATION AT CENTER OF OUTLET
                     CAREA       1.23  CROSS-SECTIONAL AREA
                      COQL        .60  COEFFICIENT
                      EXPL        .50  EXPONENT OF HEAD

 179 SS        SPILLWAY
                      CREL      64.90  SPILLWAY CREST ELEVATION
                     SPWID      30.00  SPILLWAY WIDTH
                      COQW       3.00  WEIR COEFFICIENT
                      EXPW       1.50  EXPONENT OF HEAD

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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	1.59	4.27	7.75
ELEVATION	62.00	63.00	64.00	65.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	4.62	4.98	5.40	5.90	6.50	7.24	8.16	9.36
ELEVATION	62.00	62.40	63.01	63.11	63.23	63.39	63.61	63.89	64.30	64.90
OUTFLOW	9.37	9.41	9.48	9.61	9.81	10.10	10.49	10.99	11.62	12.39
ELEVATION	64.90	64.91	64.91	64.92	64.93	64.94	64.95	64.97	64.98	65.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.49	1.59	1.84	2.14	2.54	3.11	3.94	4.27	5.24
OUTFLOW	.00	.00	4.58	4.98	5.40	5.90	6.50	7.24	7.49	8.16
ELEVATION	62.00	62.40	63.00	63.11	63.23	63.39	63.61	63.89	64.00	64.30
STORAGE	7.37	7.41	7.47	7.51	7.56	7.61	7.68	7.75		
OUTFLOW	9.36	9.48	9.81	10.10	10.49	10.99	11.62	12.39		
ELEVATION	64.90	64.91	64.93	64.94	64.95	64.97	64.98	65.00		

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HYDROGRAPH AT STATION SB5SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
	FEB	0100	1	0.	.5	62.4	28	FEB	0915	34	0.	.5	62.4	28	FEB	1730	67	3.	1.2	62.8
	FEB	0115	2	0.	.5	62.4	28	FEB	0930	35	0.	.5	62.4	28	FEB	1745	68	3.	1.2	62.8
28	FEB	0130	3	0.	.5	62.4	28	FEB	0945	36	0.	.5	62.4	28	FEB	1800	69	3.	1.2	62.8
28	FEB	0145	4	0.	.5	62.4	28	FEB	1000	37	0.	.5	62.4	28	FEB	1815	70	3.	1.1	62.8
28	FEB	0200	5	0.	.5	62.4	28	FEB	1015	38	0.	.5	62.4	28	FEB	1830	71	3.	1.1	62.7
28	FEB	0215	6	0.	.5	62.4	28	FEB	1030	39	0.	.5	62.4	28	FEB	1845	72	2.	1.1	62.7
28	FEB	0230	7	0.	.5	62.4	28	FEB	1045	40	0.	.6	62.4	28	FEB	1900	73	2.	1.1	62.7
28	FEB	0245	8	0.	.5	62.4	28	FEB	1100	41	0.	.6	62.4	28	FEB	1915	74	2.	1.0	62.7
28	FEB	0300	9	0.	.5	62.4	28	FEB	1115	42	0.	.6	62.4	28	FEB	1930	75	2.	1.0	62.7
28	FEB	0315	10	0.	.5	62.4	28	FEB	1130	43	0.	.6	62.5	28	FEB	1945	76	2.	1.0	62.7
28	FEB	0330	11	0.	.5	62.4	28	FEB	1145	44	0.	.6	62.5	28	FEB	2000	77	2.	.9	62.6
28	FEB	0345	12	0.	.5	62.4	28	FEB	1200	45	1.	.6	62.5	28	FEB	2015	78	2.	.9	62.6
28	FEB	0400	13	0.	.5	62.4	28	FEB	1215	46	1.	.6	62.5	28	FEB	2030	79	2.	.9	62.6
28	FEB	0415	14	0.	.5	62.4	28	FEB	1230	47	1.	.7	62.5	28	FEB	2045	80	2.	.9	62.6
28	FEB	0430	15	0.	.5	62.4	28	FEB	1245	48	1.	.7	62.5	28	FEB	2100	81	2.	.9	62.6
28	FEB	0445	16	0.	.5	62.4	28	FEB	1300	49	1.	.8	62.6	28	FEB	2115	82	1.	.8	62.6
28	FEB	0500	17	0.	.5	62.4	28	FEB	1315	50	2.	1.1	62.7	28	FEB	2130	83	1.	.8	62.6
28	FEB	0515	18	0.	.5	62.4	28	FEB	1330	51	4.	1.4	62.9	28	FEB	2145	84	1.	.8	62.6
28	FEB	0530	19	0.	.5	62.4	28	FEB	1345	52	5.	1.7	63.0	28	FEB	2200	85	1.	.8	62.6
28	FEB	0545	20	0.	.5	62.4	28	FEB	1400	53	5.	1.8	63.1	28	FEB	2215	86	1.	.8	62.6
28	FEB	0600	21	0.	.5	62.4	28	FEB	1415	54	5.	1.8	63.1	28	FEB	2230	87	1.	.8	62.5
28	FEB	0615	22	0.	.5	62.4	28	FEB	1430	55	5.	1.8	63.1	28	FEB	2245	88	1.	.8	62.5
28	FEB	0630	23	0.	.5	62.4	28	FEB	1445	56	5.	1.8	63.1	28	FEB	2300	89	1.	.7	62.5
28	FEB	0645	24	0.	.5	62.4	28	FEB	1500	57	5.	1.7	63.1	28	FEB	2315	90	1.	.7	62.5
28	FEB	0700	25	0.	.5	62.4	28	FEB	1515	58	5.	1.7	63.0	28	FEB	2330	91	1.	.7	62.5
28	FEB	0715	26	0.	.5	62.4	28	FEB	1530	59	5.	1.6	63.0	28	FEB	2345	92	1.	.7	62.5
28	FEB	0730	27	0.	.5	62.4	28	FEB	1545	60	4.	1.5	63.0	1	MAR	0000	93	1.	.7	62.5
28	FEB	0745	28	0.	.5	62.4	28	FEB	1600	61	4.	1.5	62.9	1	MAR	0015	94	1.	.7	62.5
	FEB	0800	29	0.	.5	62.4	28	FEB	1615	62	4.	1.4	62.9	1	MAR	0030	95	1.	.7	62.5
	FEB	0815	30	0.	.5	62.4	28	FEB	1630	63	4.	1.4	62.9	1	MAR	0045	96	1.	.7	62.5
28	FEB	0830	31	0.	.5	62.4	28	FEB	1645	64	4.	1.4	62.9	1	MAR	0100	97	1.	.7	62.5
28	FEB	0845	32	0.	.5	62.4	28	FEB	1700	65	3.	1.3	62.8							
28	FEB	0900	33	0.	.5	62.4	28	FEB	1715	66	3.	1.3	62.8							

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*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+      5.     13.25                  4.          1.          1.          1.
                      (INCHES)    2.322       3.315       3.315       3.315
                       (AC-FT)       2.          3.          3.          3.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+ (AC-FT)      (HR)
       2.     13.25                  1.          1.          1.          1.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    63.09     13.25                62.90       62.58       62.58       62.58

                       CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
 180 KK   *      CW1   *
          *            *
          **************

 181 KO        OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

 183 BA        SUBBASIN CHARACTERISTICS
                     TAREA         .01  SUBBASIN AREA

               PRECIPITATION DATA

 184 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......  ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .01

 185 LS        SCS LOSS RATE
                     STRTL         .50  INITIAL ABSTRACTION
                    CRVNBR       80.00  CURVE NUMBER
                     RTIMP         .00  PERCENT IMPERVIOUS AREA

 186 UD        SCS DIMENSIONLESS UNITGRAPH
                      TLAG         .17  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG
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UNIT HYDROGRAPH
5 END-OF-PERIOD ORDINATES

17. 8. 2. 1. 0.

HYDROGRAPH AT STATION CW1

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.10	.30	.80	16.
28 FEB 0115	2	.01	.01	.00	0.	28 FEB 1330	51	.28	.06	.22	11.
28 FEB 0130	3	.01	.01	.00	0.	28 FEB 1345	52	.18	.03	.14	6.
28 FEB 0145	4	.01	.01	.00	0.	28 FEB 1400	53	.14	.03	.11	4.
28 FEB 0200	5	.01	.01	.00	0.	28 FEB 1415	54	.08	.01	.07	3.
28 FEB 0215	6	.01	.01	.00	0.	28 FEB 1430	55	.07	.01	.06	2.
28 FEB 0230	7	.01	.01	.00	0.	28 FEB 1445	56	.06	.01	.05	2.
28 FEB 0245	8	.01	.01	.00	0.	28 FEB 1500	57	.06	.01	.05	1.
28 FEB 0300	9	.01	.01	.00	0.	28 FEB 1515	58	.05	.01	.04	1.
28 FEB 0315	10	.01	.01	.00	0.	28 FEB 1530	59	.05	.01	.04	1.
28 FEB 0330	11	.01	.01	.00	0.	28 FEB 1545	60	.04	.01	.04	1.
28 FEB 0345	12	.01	.01	.00	0.	28 FEB 1600	61	.04	.01	.04	1.
28 FEB 0400	13	.01	.01	.00	0.	28 FEB 1615	62	.05	.01	.04	1.
28 FEB 0415	14	.01	.01	.00	0.	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.01	.01	.00	0.	28 FEB 1645	64	.04	.01	.04	1.
28 FEB 0445	16	.01	.01	.00	0.	28 FEB 1700	65	.04	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.01	.03	1.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.01	.03	1.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.03	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.03	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.02	.00	.02	0.
28 FEB 0730	27	.03	.03	.00	0.	28 FEB 1945	76	.02	.00	.02	0.
28 FEB 0745	28	.03	.03	.00	0.	28 FEB 2000	77	.02	.00	.02	0.
28 FEB 0800	29	.03	.03	.00	0.	28 FEB 2015	78	.02	.00	.01	0.
28 FEB 0815	30	.03	.03	.00	0.	28 FEB 2030	79	.02	.00	.01	0.
28 FEB 0830	31	.04	.03	.00	0.	28 FEB 2045	80	.02	.00	.01	0.
28 FEB 0845	32	.04	.04	.00	0.	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.04	.00	0.	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.04	.00	0.	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.04	.01	0.	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.04	.01	0.	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.04	.01	0.	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.03	.01	0.	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.03	.01	0.	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.03	.01	0.	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.04	.01	0.	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.04	.02	0.	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.04	.02	1.	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.04	.02	1.	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.05	.03	1.	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.07	.05	1.	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.08	.07	2.	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.11	.12	3.	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.19	.30	6.						

TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.13, TOTAL EXCESS = 3.07

```
 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     16.     12.25                  3.          1.          1.          1.
                       (INCHES)    2.480       3.058       3.058       3.058
                        (AC-FT)      1.          2.          2.          2.

                        CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
190 KK    *    CW1CHL  *
          *            *
          **************

191 KO         OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH CW1 CHANNEL

             HYDROGRAPH ROUTING DATA

193 RS         STORAGE ROUTING
                     NSTPS           1  NUMBER OF SUBREACHES
                      ITYP        ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC       61.00  INITIAL CONDITION
                         X         .00 WORKING R AND D COEFFICIENT

194 SA              AREA          .0        .0        .1        .2        .3

195 SE         ELEVATION       61.00     63.00     64.00     65.00     66.00

196 SL         LOW-LEVEL OUTLET
                     ELEVL       62.60  ELEVATION AT CENTER OF OUTLET
                     CAREA       12.57  CROSS-SECTIONAL AREA
                      COQL         .60  COEFFICIENT
                      EXPL         .50  EXPONENT OF HEAD

197 SS         SPILLWAY
                      CREL       65.90  SPILLWAY CREST ELEVATION
                     SPWID         .00  SPILLWAY WIDTH
                      COQW         .00  WEIR COEFFICIENT
                      EXPW        1.50  EXPONENT OF HEAD

                                                        ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .01       .08       .25       .49
        ELEVATION      61.00     63.00     64.00     65.00     66.00

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00     81.56     84.67     88.04     91.69     95.64     99.96    104.69    109.88
        ELEVATION      61.00     62.60     64.42     64.56     64.72     64.90     65.10     65.33     65.60     65.90

                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA
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STORAGE	.00	.01	.01	.08	.14	.17	.19	.23	.25	.27
OUTFLOW	.00	.00	38.26	71.57	81.56	84.67	88.04	91.69	93.71	95.64
ELEVATION	61.00	62.60	63.00	64.00	64.42	64.56	64.72	64.90	65.00	65.10

STORAGE	.32	.39	.46	.49
OUTFLOW	99.96	104.69	109.88	111.53
ELEVATION	65.33	65.60	65.90	66.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 92.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

****

HYDROGRAPH AT STATION CW1CHL

****

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	61.0	28	FEB	0915	34	0.	.0	62.6	28	FEB	1730	67	159.	1.2	68.9
28	FEB	0115	2	0.	.0	61.0	28	FEB	0930	35	0.	.0	62.6	28	FEB	1745	68	159.	1.2	68.9
28	FEB	0130	3	0.	.0	61.0	28	FEB	0945	36	0.	.0	62.6	28	FEB	1800	69	157.	1.2	68.8
28	FEB	0145	4	0.	.0	61.0	28	FEB	1000	37	0.	.0	62.6	28	FEB	1815	70	154.	1.2	68.6
28	FEB	0200	5	0.	.0	61.0	28	FEB	1015	38	1.	.0	62.6	28	FEB	1830	71	149.	1.1	68.3
28	FEB	0215	6	0.	.0	61.0	28	FEB	1030	39	1.	.0	62.6	28	FEB	1845	72	144.	1.0	67.9
28	FEB	0230	7	0.	.0	61.0	28	FEB	1045	40	2.	.0	62.6	28	FEB	1900	73	138.	.9	67.6
28	FEB	0245	8	0.	.0	61.0	28	FEB	1100	41	3.	.0	62.6	28	FEB	1915	74	132.	.8	67.3
28	FEB	0300	9	0.	.0	61.0	28	FEB	1115	42	5.	.0	62.7	28	FEB	1930	75	127.	.7	66.9
28	FEB	0315	10	0.	.0	61.0	28	FEB	1130	43	7.	.0	62.7	28	FEB	1945	76	122.	.6	66.6
28	FEB	0330	11	0.	.0	61.0	28	FEB	1145	44	10.	.0	62.7	28	FEB	2000	77	116.	.6	66.3
	FEB	0345	12	0.	.0	61.0	28	FEB	1200	45	13.	.0	62.7	28	FEB	2015	78	111.	.5	66.0
	FEB	0400	13	0.	.0	61.0	28	FEB	1215	46	18.	.0	62.8	28	FEB	2030	79	106.	.4	65.7
28	FEB	0415	14	0.	.0	61.0	28	FEB	1230	47	22.	.0	62.8	28	FEB	2045	80	101.	.3	65.4
28	FEB	0430	15	0.	.0	61.0	28	FEB	1245	48	28.	.0	62.9	28	FEB	2100	81	96.	.3	65.1
28	FEB	0445	16	0.	.0	61.0	28	FEB	1300	49	39.	.0	63.0	28	FEB	2115	82	92.	.2	64.9
28	FEB	0500	17	0.	.0	61.0	28	FEB	1315	50	64.	.1	63.8	28	FEB	2130	83	88.	.2	64.7
28	FEB	0515	18	0.	.0	61.0	28	FEB	1330	51	80.	.1	64.4	28	FEB	2145	84	84.	.2	64.5
28	FEB	0530	19	0.	.0	61.0	28	FEB	1345	52	87.	.2	64.7	28	FEB	2200	85	80.	.1	64.3
28	FEB	0545	20	0.	.0	61.0	28	FEB	1400	53	96.	.3	65.1	28	FEB	2215	86	77.	.1	64.2
28	FEB	0600	21	0.	.0	61.0	28	FEB	1415	54	105.	.4	65.6	28	FEB	2230	87	74.	.1	64.1
28	FEB	0615	22	0.	.0	61.0	28	FEB	1430	55	113.	.5	66.1	28	FEB	2245	88	71.	.1	64.0
28	FEB	0630	23	0.	.0	61.0	28	FEB	1445	56	120.	.6	66.5	28	FEB	2300	89	68.	.1	63.9
28	FEB	0645	24	0.	.0	61.0	28	FEB	1500	57	127.	.7	66.9	28	FEB	2315	90	66.	.1	63.8
28	FEB	0700	25	0.	.0	61.0	28	FEB	1515	58	133.	.8	67.3	28	FEB	2330	91	63.	.1	63.7
28	FEB	0715	26	0.	.0	61.0	28	FEB	1530	59	138.	.9	67.6	28	FEB	2345	92	61.	.1	63.7
28	FEB	0730	27	0.	.0	61.0	28	FEB	1545	60	143.	1.0	67.9	1	MAR	0000	93	59.	.1	63.6
28	FEB	0745	28	0.	.0	61.0	28	FEB	1600	61	147.	1.0	68.1	1	MAR	0015	94	58.	.1	63.6
28	FEB	0800	29	0.	.0	61.1	28	FEB	1615	62	150.	1.1	68.3	1	MAR	0030	95	56.	.0	63.5
28	FEB	0815	30	0.	.0	61.2	28	FEB	1630	63	153.	1.1	68.5	1	MAR	0045	96	55.	.0	63.5
28	FEB	0830	31	0.	.0	61.3	28	FEB	1645	64	155.	1.2	68.6	1	MAR	0100	97	53.	.0	63.4
28	FEB	0845	32	0.	.0	61.7	28	FEB	1700	65	157.	1.2	68.8							
28	FEB	0900	33	0.	.0	62.3	28	FEB	1715	66	158.	1.2	68.8							

****

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
159.	16.50		140.	55.	55.	55.
		(INCHES)	.918	1.455	1.455	1.455
		(AC-FT)	69.	110.	110.	110.

PEAK STORAGE TIME MAXIMUM AVERAGE STORAGE

```
                                    6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       1.     16.50                  1.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
    68.87     16.50                67.72       63.81       63.81       63.81

                       CUMULATIVE AREA =    1.42 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


           **************
           *            *
 198 KK    *      CW2   *
           *            *
           **************

 199 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 201 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .03  SUBBASIN AREA

                 PRECIPITATION DATA

 202 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .03

 203 LS          SCS LOSS RATE
                      STRTL         .17  INITIAL ABSTRACTION
                     CRVNBR       92.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

 204 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .16  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                        UNIT HYDROGRAPH
                                                     5 END-OF-PERIOD ORDINATES
              43.       18.        4.        1.        0.

*****************************************************************************************************************************

                                                HYDROGRAPH AT STATION      CW2

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
```

28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.10	.07	1.03	53.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.28	.01	.27	33.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.01	.17	17.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.01	.13	11.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.00	.08	7.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.00	.07	5.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.00	.06	4.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.00	.06	4.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.00	.05	4.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.00	.05	3.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.00	.04	3.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.00	.04	3.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.00	.05	3.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.00	.04	3.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.00	.04	3.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.00	.04	3.
28 FEB 0500	17	.02	.01	.00	0.	*	28 FEB 1715	66	.04	.00	.04	3.
28 FEB 0515	18	.02	.01	.00	0.	*	28 FEB 1730	67	.04	.00	.04	3.
28 FEB 0530	19	.02	.01	.00	0.	*	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.01	.00	0.	*	28 FEB 1800	69	.04	.00	.03	2.
28 FEB 0600	21	.02	.01	.00	0.	*	28 FEB 1815	70	.03	.00	.03	2.
28 FEB 0615	22	.02	.01	.00	0.	*	28 FEB 1830	71	.03	.00	.03	2.
28 FEB 0630	23	.02	.01	.00	0.	*	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.02	.01	.00	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.02	.01	.01	0.	*	28 FEB 1915	74	.02	.00	.02	2.
28 FEB 0715	26	.03	.02	.01	1.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.02	.01	1.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.03	.02	.01	1.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.03	.02	.01	1.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.03	.02	.02	1.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.02	.02	1.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.02	.02	1.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.02	.02	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.02	.02	1.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.04	.02	.03	2.	*	28 FEB 2145	84	.01	.00	.01	1.
28 FEB 0945	36	.04	.02	.03	2.	*	28 FEB 2200	85	.01	.00	.01	1.
28 FEB 1000	37	.05	.02	.03	2.	*	28 FEB 2215	86	.01	.00	.01	1.
28 FEB 1015	38	.04	.01	.03	2.	*	28 FEB 2230	87	.01	.00	.01	1.
28 FEB 1030	39	.04	.01	.03	2.	*	28 FEB 2245	88	.01	.00	.01	1.
28 FEB 1045	40	.05	.01	.03	2.	*	28 FEB 2300	89	.01	.00	.01	1.
28 FEB 1100	41	.05	.01	.04	2.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.05	.01	.04	3.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.06	.01	.05	3.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.07	.02	.05	3.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.08	.02	.06	4.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.02	.10	6.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.03	.13	8.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.23	.03	.20	11.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.49	.05	.44	23.	*						

****

TOTAL RAINFALL = 5.20, TOTAL LOSS = .92, TOTAL EXCESS = 4.28

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 53.	12.25		9.	3.	3.	3.
		(INCHES)	3.286	4.274	4.274	4.274
		(AC-FT)	5.	6.	6.	6.

CUMULATIVE AREA = .03 SQ MI

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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

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          *            *
208 KK    *     CW2CH  *
          *            *
          **************

209 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               STORAGE ROUTINGTHROUGH CW2 CHANNEL

             HYDROGRAPH ROUTING DATA

211 RS          STORAGE ROUTING
                      NSTPS          1  NUMBER OF SUBREACHES
                       ITYP       ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC      59.90  INITIAL CONDITION
                          X        .00 WORKING R AND D COEFFICIENT

212 SA               AREA         .0       .1       .1       .2       .2       .2

213 SE          ELEVATION      59.90    61.00    63.00    65.00    67.00    67.70

214 SL          LOW-LEVEL OUTLET
                      ELEVL      61.80  ELEVATION AT CENTER OF OUTLET
                      CAREA      12.57  CROSS-SECTIONAL AREA
                       COQL        .60  COEFFICIENT
                       EXPL        .50  EXPONENT OF HEAD

215 SS          SPILLWAY
                       CREL      67.50  SPILLWAY CREST ELEVATION
                      SPWID      30.00  SPILLWAY WIDTH
                       COQW       3.00  WEIR COEFFICIENT
                       EXPW       1.50  EXPONENT OF HEAD

                                                  ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00      .03      .24      .54      .95     1.11
        ELEVATION      59.90    61.00    63.00    65.00    67.00    67.70

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00      .00    83.41    88.76    94.86   101.85   109.95   119.45   130.75   144.41
        ELEVATION      59.90    61.80    63.70    63.95    64.26    64.64    65.10    65.70    66.47    67.50

          OUTFLOW     144.82   145.15   145.63   146.28   147.12   148.17   149.45   151.00   152.83   154.97
        ELEVATION      67.52    67.53    67.54    67.56    67.57    67.59    67.62    67.64    67.67    67.70


                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00      .03      .10      .24      .34      .37      .42      .48      .54      .56
          OUTFLOW        .00      .00      .00    66.26    83.41    88.76    94.86   101.85   108.20   109.95
        ELEVATION      59.90    61.00    61.80    63.00    63.70    63.95    64.26    64.64    65.00    65.10

          STORAGE        .68      .83      .95     1.06     1.07     1.07     1.07     1.08     1.08     1.08
          OUTFLOW     119.45   130.75   137.93   144.41   144.82   145.15   145.63   146.28   147.12   148.17
        ELEVATION      65.70    66.47    67.00    67.50    67.52    67.53    67.54    67.56    67.57    67.59
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STORAGE	1.09	1.10	1.10	1.11
OUTFLOW	149.45	151.00	152.83	154.97
ELEVATION	67.62	67.64	67.67	67.70

WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 155.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION CW2CH

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	59.9	28	FEB	0915	34	2.	.1	61.8	28	FEB	1730	67	161.	1.1	67.8
28	FEB	0115	2	0.	.0	59.9	28	FEB	0930	35	2.	.1	61.8	28	FEB	1745	68	161.	1.1	67.8
28	FEB	0130	3	0.	.0	59.9	28	FEB	0945	36	2.	.1	61.8	28	FEB	1800	69	160.	1.1	67.8
28	FEB	0145	4	0.	.0	59.9	28	FEB	1000	37	2.	.1	61.8	28	FEB	1815	70	157.	1.1	67.7
28	FEB	0200	5	0.	.0	59.9	28	FEB	1015	38	2.	.1	61.8	28	FEB	1830	71	152.	1.1	67.7
28	FEB	0215	6	0.	.0	59.9	28	FEB	1030	39	3.	.1	61.9	28	FEB	1845	72	147.	1.1	67.6
28	FEB	0230	7	0.	.0	59.9	28	FEB	1045	40	4.	.1	61.9	28	FEB	1900	73	143.	1.0	67.4
28	FEB	0245	8	0.	.0	59.9	28	FEB	1100	41	5.	.1	61.9	28	FEB	1915	74	139.	1.0	67.1
28	FEB	0300	9	0.	.0	59.9	28	FEB	1115	42	7.	.1	61.9	28	FEB	1930	75	133.	.9	66.6
28	FEB	0315	10	0.	.0	59.9	28	FEB	1130	43	10.	.1	62.0	28	FEB	1945	76	127.	.8	66.2
28	FEB	0330	11	0.	.0	59.9	28	FEB	1145	44	12.	.1	62.0	28	FEB	2000	77	121.	.7	65.8
28	FEB	0345	12	0.	.0	59.9	28	FEB	1200	45	16.	.1	62.1	28	FEB	2015	78	116.	.6	65.5
28	FEB	0400	13	0.	.0	59.9	28	FEB	1215	46	23.	.1	62.2	28	FEB	2030	79	110.	.6	65.1
28	FEB	0415	14	0.	.0	59.9	28	FEB	1230	47	29.	.2	62.3	28	FEB	2045	80	105.	.5	64.8
28	FEB	0430	15	0.	.0	59.9	28	FEB	1245	48	38.	.2	62.5	28	FEB	2100	81	100.	.5	64.5
	FEB	0445	16	0.	.0	59.9	28	FEB	1300	49	59.	.2	62.9	28	FEB	2115	82	95.	.4	64.3
	FEB	0500	17	0.	.0	59.9	28	FEB	1315	50	98.	.4	64.4	28	FEB	2130	83	90.	.4	64.0
28	FEB	0515	18	0.	.0	60.0	28	FEB	1330	51	115.	.6	65.4	28	FEB	2145	84	86.	.4	63.8
28	FEB	0530	19	0.	.0	60.1	28	FEB	1345	52	109.	.6	65.1	28	FEB	2200	85	82.	.3	63.6
28	FEB	0545	20	0.	.0	60.2	28	FEB	1400	53	106.	.5	64.9	28	FEB	2215	86	78.	.3	63.5
28	FEB	0600	21	0.	.0	60.3	28	FEB	1415	54	109.	.6	65.1	28	FEB	2230	87	75.	.3	63.4
28	FEB	0615	22	0.	.0	60.4	28	FEB	1430	55	115.	.6	65.4	28	FEB	2245	88	72.	.3	63.3
28	FEB	0630	23	0.	.0	60.6	28	FEB	1445	56	121.	.7	65.8	28	FEB	2300	89	69.	.3	63.1
28	FEB	0645	24	0.	.0	60.9	28	FEB	1500	57	127.	.8	66.2	28	FEB	2315	90	67.	.2	63.0
28	FEB	0700	25	0.	.0	61.0	28	FEB	1515	58	133.	.9	66.6	28	FEB	2330	91	64.	.2	63.0
28	FEB	0715	26	0.	.0	61.1	28	FEB	1530	59	138.	.9	67.0	28	FEB	2345	92	62.	.2	62.9
28	FEB	0730	27	0.	.1	61.3	28	FEB	1545	60	142.	1.0	67.3	1	MAR	0000	93	60.	.2	62.9
28	FEB	0745	28	0.	.1	61.5	28	FEB	1600	61	147.	1.1	67.6	1	MAR	0015	94	59.	.2	62.9
28	FEB	0800	29	0.	.1	61.6	28	FEB	1615	62	153.	1.1	67.7	1	MAR	0030	95	57.	.2	62.8
28	FEB	0815	30	1.	.1	61.8	28	FEB	1630	63	155.	1.1	67.7	1	MAR	0045	96	55.	.2	62.8
28	FEB	0830	31	1.	.1	61.8	28	FEB	1645	64	158.	1.1	67.7	1	MAR	0100	97	54.	.2	62.8
28	FEB	0845	32	1.	.1	61.8	28	FEB	1700	65	159.	1.1	67.8							
28	FEB	0900	33	2.	.1	61.8	28	FEB	1715	66	161.	1.1	67.8							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
161.	16.50		143.	58.	58.	58.
		(INCHES)	.919	1.503	1.503	1.503
		(AC-FT)	71.	116.	116.	116.

STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
1.	16.50	1.	0.	0.	0.

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 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    67.79     16.50                67.05       63.20       63.20       63.20

                      CUMULATIVE AREA =    1.44 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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           *            *
 216 KK    *    SB3&4   *
           *            *
           **************

 217 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION - SB3 & SB4

              SUBBASIN RUNOFF DATA

 219 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .02  SUBBASIN AREA

                 PRECIPITATION DATA

 220 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .02

 221 LS          SCS LOSS RATE
                      STRTL         .30  INITIAL ABSTRACTION
                     CRVNBR       87.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

 222 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .07  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                        UNIT HYDROGRAPH
                                                     5 END-OF-PERIOD ORDINATES
              33.        9.        2.        0.        0.

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                                                HYDROGRAPH AT STATION    SB3&4

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.10     .16     .94        35.
      28 FEB 0115    2     .01     .01     .00         0.        *      28 FEB 1330   51     .28     .03     .25        18.
      28 FEB 0130    3     .01     .01     .00         0.        *      28 FEB 1345   52     .18     .02     .16         9.
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28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.01	.13	6.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.01	.08	4.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.01	.07	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.01	.06	3.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.00	.05	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.00	.05	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.00	.04	2.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.00	.04	2.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.00	.04	2.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.00	.04	2.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.00	.04	2.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.00	.04	2.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.03	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.03	.03	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.03	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.01	1.
28 FEB 0900	33	.04	.03	.01	1.	*	28 FEB 2115	82	.02	.00	.01	1.
28 FEB 0915	34	.04	.03	.01	1.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.04	.03	.02	1.	*	28 FEB 2145	84	.01	.00	.01	1.
28 FEB 0945	36	.04	.03	.02	1.	*	28 FEB 2200	85	.01	.00	.01	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.01	.00	.01	1.
28 FEB 1015	38	.04	.02	.02	1.	*	28 FEB 2230	87	.01	.00	.01	1.
28 FEB 1030	39	.04	.02	.02	1.	*	28 FEB 2245	88	.01	.00	.01	1.
28 FEB 1045	40	.05	.02	.02	1.	*	28 FEB 2300	89	.01	.00	.01	1.
28 FEB 1100	41	.05	.02	.03	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.05	.03	.03	1.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.06	.03	.03	1.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.07	.03	.04	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.08	.03	.05	2.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.05	.08	3.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.05	.11	4.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.06	.16	6.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.11	.38	14.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 1.44, TOTAL EXCESS = 3.76

PEAK FLOW	TIME		MAXIMUN AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 35.	12.25		5.	2.	2.	2.
		(INCHES)	2.962	3.747	3.747	3.747
		(AC-FT)	3.	3.	3.	3.

CUMULATIVE AREA = .02 SQ MI

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          **************
          *            *
223 KK    *    SB34PD  *
          *            *
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224 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH SB3 & SB4

             HYDROGRAPH ROUTING DATA

226 RS          STORAGE ROUTING
                      NSTPS           1  NUMBER OF SUBREACHES
                       ITYP        ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC       59.10  INITIAL CONDITION
                          X         .00 WORKING R AND D COEFFICIENT

227 SA               AREA          .2        .5       1.7

228 SE          ELEVATION       63.50     65.70     66.00

229 SS          SPILLWAY
                       CREL       65.90  SPILLWAY CREST ELEVATION
                      SPWID       40.00  SPILLWAY WIDTH
                       COQW        3.00  WEIR COEFFICIENT
                       EXPW        1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .77      1.08
        ELEVATION      63.50     65.70     66.00

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00       .00       .01       .02       .04       .08       .14       .22       .33
        ELEVATION      63.50     65.90     65.90     65.90     65.90     65.90     65.91     65.91     65.92     65.92

          OUTFLOW        .47       .65       .87      1.12      1.43      1.79      2.20      2.67      3.20      3.79
        ELEVATION      65.93     65.93     65.94     65.94     65.95     65.96     65.97     65.98     65.99     66.00


                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00       .77       .93       .94       .96       .98      1.00      1.03      1.06      1.08
          OUTFLOW        .00       .00       .00       .14       .47       .87      1.43      2.20      3.20      3.79
        ELEVATION      63.50     65.70     65.90     65.91     65.93     65.94     65.95     65.97     65.99     66.00

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                                        HYDROGRAPH AT STATION   SB34PD

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                                                *                                                *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   S1
                                                *                                                *
 28 FEB 0100   1       0.       .0    63.5 * 28 FEB 0915  34       0.       .1    63.7 * 28 FEB 1730  67       2.      1.0    66.0
 28 FEB 0115   2       0.       .0    63.5 * 28 FEB 0930  35       0.       .1    63.7 * 28 FEB 1745  68       2.      1.0    66.0
 28 FEB 0130   3       0.       .0    63.5 * 28 FEB 0945  36       0.       .1    63.7 * 28 FEB 1800  69       2.      1.0    66.0
 28 FEB 0145   4       0.       .0    63.5 * 28 FEB 1000  37       0.       .1    63.8 * 28 FEB 1815  70       1.      1.0    66.0
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28 FEB 0200	5	0.	.0	63.5 *	28 FEB 1015	38	0.	.1	63.8 *	28 FEB 1830	71	1.	1.0	66.0
28 FEB 0215	6	0.	.0	63.5 *	28 FEB 1030	39	0.	.1	63.9 *	28 FEB 1845	72	1.	1.0	66.0
28 FEB 0230	7	0.	.0	63.5 *	28 FEB 1045	40	0.	.2	63.9 *	28 FEB 1900	73	1.	1.0	66.0
28 FEB 0245	8	0.	.0	63.5 *	28 FEB 1100	41	0.	.2	64.0 *	28 FEB 1915	74	1.	1.0	65.9
FEB 0300	9	0.	.0	63.5 *	28 FEB 1115	42	0.	.2	64.1 *	28 FEB 1930	75	1.	1.0	65.9
FEB 0315	10	0.	.0	63.5 *	28 FEB 1130	43	0.	.2	64.1 *	28 FEB 1945	76	1.	1.0	65.9
28 FEB 0330	11	0.	.0	63.5 *	28 FEB 1145	44	0.	.3	64.2 *	28 FEB 2000	77	1.	1.0	65.9
28 FEB 0345	12	0.	.0	63.5 *	28 FEB 1200	45	0.	.3	64.3 *	28 FEB 2015	78	1.	1.0	65.9
28 FEB 0400	13	0.	.0	63.5 *	28 FEB 1215	46	0.	.3	64.5 *	28 FEB 2030	79	1.	1.0	65.9
28 FEB 0415	14	0.	.0	63.5 *	28 FEB 1230	47	0.	.4	64.7 *	28 FEB 2045	80	1.	1.0	65.9
28 FEB 0430	15	0.	.0	63.5 *	28 FEB 1245	48	0.	.5	65.0 *	28 FEB 2100	81	1.	1.0	65.9
28 FEB 0445	16	0.	.0	63.5 *	28 FEB 1300	49	0.	.7	65.6 *	28 FEB 2115	82	1.	1.0	65.9
28 FEB 0500	17	0.	.0	63.5 *	28 FEB 1315	50	7.	1.2	66.1 *	28 FEB 2130	83	1.	1.0	65.9
28 FEB 0515	18	0.	.0	63.5 *	28 FEB 1330	51	17.	1.5	66.2 *	28 FEB 2145	84	1.	1.0	65.9
28 FEB 0530	19	0.	.0	63.5 *	28 FEB 1345	52	15.	1.4	66.2 *	28 FEB 2200	85	1.	1.0	65.9
28 FEB 0545	20	0.	.0	63.5 *	28 FEB 1400	53	11.	1.3	66.1 *	28 FEB 2215	86	1.	1.0	65.9
28 FEB 0600	21	0.	.0	63.5 *	28 FEB 1415	54	8.	1.2	66.1 *	28 FEB 2230	87	1.	1.0	65.9
28 FEB 0615	22	0.	.0	63.5 *	28 FEB 1430	55	6.	1.1	66.0 *	28 FEB 2245	88	1.	1.0	65.9
28 FEB 0630	23	0.	.0	63.5 *	28 FEB 1445	56	4.	1.1	66.0 *	28 FEB 2300	89	1.	1.0	65.9
28 FEB 0645	24	0.	.0	63.5 *	28 FEB 1500	57	3.	1.1	66.0 *	28 FEB 2315	90	1.	1.0	65.9
28 FEB 0700	25	0.	.0	63.5 *	28 FEB 1515	58	3.	1.0	66.0 *	28 FEB 2330	91	1.	1.0	65.9
28 FEB 0715	26	0.	.0	63.5 *	28 FEB 1530	59	2.	1.0	66.0 *	28 FEB 2345	92	1.	1.0	65.9
28 FEB 0730	27	0.	.0	63.5 *	28 FEB 1545	60	2.	1.0	66.0 *	1 MAR 0000	93	1.	1.0	65.9
28 FEB 0745	28	0.	.0	63.5 *	28 FEB 1600	61	2.	1.0	66.0 *	1 MAR 0015	94	1.	1.0	65.9
28 FEB 0800	29	0.	.0	63.5 *	28 FEB 1615	62	2.	1.0	66.0 *	1 MAR 0030	95	1.	1.0	65.9
28 FEB 0815	30	0.	.0	63.6 *	28 FEB 1630	63	2.	1.0	66.0 *	1 MAR 0045	96	1.	1.0	65.9
28 FEB 0830	31	0.	.0	63.6 *	28 FEB 1645	64	2.	1.0	66.0 *	1 MAR 0100	97	0.	1.0	65.9
28 FEB 0845	32	0.	.0	63.6 *	28 FEB 1700	65	2.	1.0	66.0 *					
28 FEB 0900	33	0.	.0	63.6 *	28 FEB 1715	66	2.	1.0	66.0 *					
				*					*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 17.	12.50		4.	1.	1.	1.
		(INCHES)	2.300	2.685	2.685	2.685
		(AC-FT)	2.	2.	2.	2.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	12.50	1.	1.	1.	1.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
66.23	12.50	66.00	64.84	64.84	64.84

CUMULATIVE AREA = .02 SQ MI

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              *            *
   KK         *   SB34CH   *
              *            *
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234 KO OUTPUT CONTROL VARIABLES

IPRNT 1 PRINT CONTROL

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                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH COMMERCE WAY at SB34

          HYDROGRAPH ROUTING DATA

236 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      59.10  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

237 SA           AREA        .0        .0        .1        .1        .1

238 SE        ELEVATION    59.10     60.00     62.00     64.00     66.00

239 SL        LOW-LEVEL OUTLET
                ELEVL      61.40  ELEVATION AT CENTER OF OUTLET
                CAREA      12.57  CROSS-SECTIONAL AREA
                 COQL        .60  COEFFICIENT
                 EXPL        .50  EXPONENT OF HEAD

240 SS        SPILLWAY
                 CREL      65.90  SPILLWAY CREST ELEVATION
                SPWID        .00  SPILLWAY WIDTH
                 COQW        .00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .01       .11       .26       .48
      ELEVATION     59.10     60.00     62.00     64.00     66.00

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00     82.66     87.08     92.01     97.53    103.75    110.82    118.93    128.31
      ELEVATION     59.10     61.40     63.27     63.47     63.71     64.00     64.34     64.76     65.27     65.90

                                COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .01       .07       .11       .20       .22       .24       .26       .30       .34
        OUTFLOW       .00       .00       .00     46.85     82.66     87.08     92.01     97.53    103.75    110.82
      ELEVATION     59.10     60.00     61.40     62.00     63.27     63.47     63.71     64.00     64.34     64.76

        STORAGE       .39       .47       .48
        OUTFLOW    118.93    128.31    129.73
      ELEVATION     65.27     65.90     66.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO      130.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                          HYDROGRAPH AT STATION   SB34CH

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                                        *                                        *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STA
                                        *                                        *
 28 FEB 0100   1      0.       .0    59.1 * 28 FEB 0915  34      2.       .1    61.4 * 28 FEB 1730  67     163.       .8    68.3
 28 FEB 0115   2      0.       .0    59.1 * 28 FEB 0930  35      1.       .1    61.4 * 28 FEB 1745  68     163.       .8    68.3
 28 FEB 0130   3      0.       .0    59.1 * 28 FEB 0945  36      3.       .1    61.4 * 28 FEB 1800  69     162.       .8    68.3
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28 FEB 0145	4	0.	.0	59.1 *	28 FEB 1000	37	2.	.1	61.4 *	28 FEB 1815	70	160.	.7	68.1
28 FEB 0200	5	0.	.0	59.1 *	28 FEB 1015	38	3.	.1	61.4 *	28 FEB 1830	71	156.	.7	67.8
28 FEB 0215	6	0.	.0	59.1 *	28 FEB 1030	39	2.	.1	61.4 *	28 FEB 1845	72	151.	.7	67.5
28 FEB 0230	7	0.	.0	59.1 *	28 FEB 1045	40	4.	.1	61.5 *	28 FEB 1900	73	146.	.6	67.1
FEB 0245	8	0.	.0	59.1 *	28 FEB 1100	41	5.	.1	61.5 *	28 FEB 1915	74	142.	.6	66.8
FEB 0300	9	0.	.0	59.1 *	28 FEB 1115	42	8.	.1	61.5 *	28 FEB 1930	75	136.	.5	66.5
28 FEB 0315	10	0.	.0	59.1 *	28 FEB 1130	43	9.	.1	61.5 *	28 FEB 1945	76	130.	.5	66.0
28 FEB 0330	11	0.	.0	59.1 *	28 FEB 1145	44	12.	.1	61.6 *	28 FEB 2000	77	124.	.4	65.6
28 FEB 0345	12	0.	.0	59.1 *	28 FEB 1200	45	16.	.1	61.6 *	28 FEB 2015	78	118.	.4	65.2
28 FEB 0400	13	0.	.0	59.1 *	28 FEB 1215	46	23.	.1	61.7 *	28 FEB 2030	79	113.	.4	64.9
28 FEB 0415	14	0.	.0	59.1 *	28 FEB 1230	47	29.	.1	61.8 *	28 FEB 2045	80	107.	.3	64.5
28 FEB 0430	15	0.	.0	59.1 *	28 FEB 1245	48	38.	.1	61.9 *	28 FEB 2100	81	102.	.3	64.2
28 FEB 0445	16	0.	.0	59.1 *	28 FEB 1300	49	57.	.1	62.3 *	28 FEB 2115	82	97.	.3	64.0
28 FEB 0500	17	0.	.0	59.1 *	28 FEB 1315	50	96.	.3	63.9 *	28 FEB 2130	83	92.	.2	63.7
28 FEB 0515	18	0.	.0	59.1 *	28 FEB 1330	51	124.	.4	65.6 *	28 FEB 2145	84	87.	.2	63.5
28 FEB 0530	19	0.	.0	59.1 *	28 FEB 1345	52	128.	.5	65.9 *	28 FEB 2200	85	83.	.2	63.3
28 FEB 0545	20	0.	.0	59.1 *	28 FEB 1400	53	120.	.4	65.3 *	28 FEB 2215	86	79.	.2	63.2
28 FEB 0600	21	0.	.0	59.1 *	28 FEB 1415	54	117.	.4	65.1 *	28 FEB 2230	87	76.	.2	63.0
28 FEB 0615	22	0.	.0	59.1 *	28 FEB 1430	55	120.	.4	65.3 *	28 FEB 2245	88	73.	.2	62.9
28 FEB 0630	23	0.	.0	59.1 *	28 FEB 1445	56	123.	.4	65.6 *	28 FEB 2300	89	70.	.2	62.8
28 FEB 0645	24	0.	.0	59.1 *	28 FEB 1500	57	128.	.5	65.9 *	28 FEB 2315	90	68.	.2	62.7
28 FEB 0700	25	0.	.0	59.1 *	28 FEB 1515	58	133.	.5	66.3 *	28 FEB 2330	91	65.	.2	62.7
28 FEB 0715	26	0.	.0	59.1 *	28 FEB 1530	59	138.	.6	66.6 *	28 FEB 2345	92	63.	.1	62.6
28 FEB 0730	27	0.	.0	59.1 *	28 FEB 1545	60	143.	.6	66.9 *	1 MAR 0000	93	61.	.1	62.5
28 FEB 0745	28	0.	.0	59.1 *	28 FEB 1600	61	147.	.6	67.2 *	1 MAR 0015	94	59.	.1	62.4
28 FEB 0800	29	0.	.0	59.1 *	28 FEB 1615	62	153.	.7	67.6 *	1 MAR 0030	95	58.	.1	62.4
28 FEB 0815	30	0.	.0	59.6 *	28 FEB 1630	63	156.	.7	67.9 *	1 MAR 0045	96	56.	.1	62.3
28 FEB 0830	31	0.	.0	60.4 *	28 FEB 1645	64	159.	.7	68.0 *	1 MAR 0100	97	55.	.1	62.3
28 FEB 0845	32	0.	.1	61.0 *	28 FEB 1700	65	161.	.7	68.2 *					
28 FEB 0900	33	1.	.1	61.4 *	28 FEB 1715	66	162.	.8	68.3 *					
				*					*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 163.	16.75		145.	59.	59.	59.
		(INCHES)	.922	1.515	1.515	1.515
		(AC-FT)	72.	118.	118.	118.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	16.75	1.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
68.34	16.75	67.06	62.67	62.67	62.67

CUMULATIVE AREA = 1.46 SQ MI

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          *            *
     KK   *   HB4BCL   *
          *            *
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242 KO OUTPUT CONTROL VARIABLES

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                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH COMMERCE WAY AT HB4B

          HYDROGRAPH ROUTING DATA

244 RS       STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      57.80  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

245 SA          AREA         .0        .0        .1        .1        .1        .1

246 SE       ELEVATION      57.80     59.00     61.00     63.00     65.00     66.80

247 SL       LOW-LEVEL OUTLET
                ELEVL      59.00  ELEVATION AT CENTER OF OUTLET
                CAREA      12.57  CROSS-SECTIONAL AREA
                 COQL        .60  COEFFICIENT
                 EXPL        .50  EXPONENT OF HEAD

248 SS       SPILLWAY
                 CREL      66.70  SPILLWAY CREST ELEVATION
                SPWID        .00  SPILLWAY WIDTH
                 COQW        .00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .02       .13       .29       .48       .70
      ELEVATION     57.80     59.00     61.00     63.00     65.00     66.80

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00     84.26     90.71     98.23    107.12    117.77    130.78    147.01    167.84
      ELEVATION     57.80     59.00     60.94     61.25     61.64     62.14     62.79     63.67     64.91     66.70

                                COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .02       .13       .13       .15       .18       .21       .27       .29       .35
        OUTFLOW       .00       .00     84.26     85.54     90.71     98.23    107.12    117.77    120.97    130.78
      ELEVATION     57.80     59.00     60.94     61.00     61.25     61.64     62.14     62.79     63.00     63.67

        STORAGE       .47       .48       .69       .70
        OUTFLOW    147.01    148.16    167.84    168.93
      ELEVATION     64.91     65.00     66.70     66.80

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO      168.
              THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
              THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                  HYDROGRAPH AT STATION   HB4BCL

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                                                  *                                                  *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                                  *                                                  *
 28 FEB 0100   1      0.       .0    57.8 * 28 FEB 0915  34      2.       .0    59.0 * 28 FEB 1730  67     162.       .6    66.2
 28 FEB 0115   2      0.       .0    57.8 * 28 FEB 0930  35      2.       .0    59.0 * 28 FEB 1745  68     163.       .6    66.3
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28	FEB	0130	3	0.	.0	57.8	*	28	FEB	0945	36	2.	.0	59.0	*	28	FEB	1800	69	163.	.6	66.2
28	FEB	0145	4	0.	.0	57.8	*	28	FEB	1000	37	3.	.0	59.1	*	28	FEB	1815	70	161.	.6	66.1
28	FEB	0200	5	0.	.0	57.8	*	28	FEB	1015	38	2.	.0	59.1	*	28	FEB	1830	71	158.	.6	65.8
28	FEB	0215	6	0.	.0	57.8	*	28	FEB	1030	39	3.	.0	59.1	*	28	FEB	1845	72	153.	.5	65.4
28	FEB	0230	7	0.	.0	57.8	*	28	FEB	1045	40	3.	.0	59.1	*	28	FEB	1900	73	148.	.5	65.0
	FEB	0245	8	0.	.0	57.8	*	28	FEB	1100	41	5.	.0	59.1	*	28	FEB	1915	74	143.	.4	64.6
	FEB	0300	9	0.	.0	57.8	*	28	FEB	1115	42	7.	.0	59.2	*	28	FEB	1930	75	138.	.4	64.3
28	FEB	0315	10	0.	.0	57.8	*	28	FEB	1130	43	10.	.0	59.2	*	28	FEB	1945	76	133.	.4	63.8
28	FEB	0330	11	0.	.0	57.8	*	28	FEB	1145	44	12.	.0	59.3	*	28	FEB	2000	77	126.	.3	63.4
28	FEB	0345	12	0.	.0	57.8	*	28	FEB	1200	45	16.	.0	59.4	*	28	FEB	2015	78	120.	.3	62.9
28	FEB	0400	13	0.	.0	57.8	*	28	FEB	1215	46	22.	.0	59.5	*	28	FEB	2030	79	114.	.2	62.6
28	FEB	0415	14	0.	.0	57.8	*	28	FEB	1230	47	29.	.1	59.7	*	28	FEB	2045	80	108.	.2	62.2
28	FEB	0430	15	0.	.0	57.8	*	28	FEB	1245	48	37.	.1	59.9	*	28	FEB	2100	81	103.	.2	61.9
28	FEB	0445	16	0.	.0	57.8	*	28	FEB	1300	49	55.	.1	60.3	*	28	FEB	2115	82	98.	.2	61.6
28	FEB	0500	17	0.	.0	57.8	*	28	FEB	1315	50	91.	.2	61.3	*	28	FEB	2130	83	93.	.2	61.3
28	FEB	0515	18	0.	.0	57.8	*	28	FEB	1330	51	117.	.3	62.8	*	28	FEB	2145	84	88.	.1	61.1
28	FEB	0530	19	0.	.0	57.8	*	28	FEB	1345	52	128.	.3	63.5	*	28	FEB	2200	85	84.	.1	60.9
28	FEB	0545	20	0.	.0	57.8	*	28	FEB	1400	53	123.	.3	63.1	*	28	FEB	2215	86	79.	.1	60.8
28	FEB	0600	21	0.	.0	57.8	*	28	FEB	1415	54	117.	.3	62.7	*	28	FEB	2230	87	77.	.1	60.8
28	FEB	0615	22	0.	.0	57.8	*	28	FEB	1430	55	119.	.3	62.8	*	28	FEB	2245	88	73.	.1	60.7
28	FEB	0630	23	0.	.0	57.8	*	28	FEB	1445	56	122.	.3	63.1	*	28	FEB	2300	89	71.	.1	60.6
28	FEB	0645	24	0.	.0	57.8	*	28	FEB	1500	57	127.	.3	63.4	*	28	FEB	2315	90	68.	.1	60.6
28	FEB	0700	25	0.	.0	57.8	*	28	FEB	1515	58	132.	.4	63.7	*	28	FEB	2330	91	65.	.1	60.5
28	FEB	0715	26	0.	.0	57.8	*	28	FEB	1530	59	136.	.4	64.1	*	28	FEB	2345	92	63.	.1	60.5
28	FEB	0730	27	0.	.0	57.8	*	28	FEB	1545	60	141.	.4	64.5	*	1	MAR	0000	93	61.	.1	60.4
28	FEB	0745	28	0.	.0	57.8	*	28	FEB	1600	61	146.	.5	64.8	*	1	MAR	0015	94	59.	.1	60.4
28	FEB	0800	29	0.	.0	57.8	*	28	FEB	1615	62	150.	.5	65.2	*	1	MAR	0030	95	58.	.1	60.3
28	FEB	0815	30	0.	.0	57.8	*	28	FEB	1630	63	154.	.5	65.5	*	1	MAR	0045	96	56.	.1	60.3
28	FEB	0830	31	0.	.0	57.8	*	28	FEB	1645	64	157.	.6	65.8	*	1	MAR	0100	97	55.	.1	60.3
28	FEB	0845	32	0.	.0	57.8	*	28	FEB	1700	65	160.	.6	66.0	*							
28	FEB	0900	33	0.	.0	58.2	*	28	FEB	1715	66	161.	.6	66.1	*							
							*								*							

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 163.	16.75		145.	59.	59.	59.
		(INCHES)	.921	1.514	1.514	1.514
		(AC-FT)	72.	118.	118.	118.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	16.75	0.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
66.27	16.75	64.79	60.67	60.67	60.67

CUMULATIVE AREA = 1.46 SQ MI

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              **************
              *            *
    ) KK      *     SB7    *
              *            *
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250 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

252 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .01  SUBBASIN AREA

                PRECIPITATION DATA

253 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                   STORM AREA =     .01

254 LS          SCS LOSS RATE
                      STRTL         .74  INITIAL ABSTRACTION
                     CRVNBR       73.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

255 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .25  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              7 END-OF-PERIOD ORDINATES
              14.       15.        5.        2.        1.        0.        0.
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HYDROGRAPH AT STATION SB7

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.10	.46	.64	12.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.28	.09	.19	13.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.05	.12	8.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.04	.10	5.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.02	.06	4.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.02	.05	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.02	.05	2.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.02	.04	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.01	.04	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.01	.04	1.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.01	.03	1.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.01	.03	1.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.01	.04	1.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.01	.03	1.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.01	.03	1.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.01	.03	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.03	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.01	.03	1.

28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.01	.02	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.02	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.01	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.01	1.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.01	1.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.01	0.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.01	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.01	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.04	.00	0.	*	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.04	.00	0.	*	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.05	.00	0.	*	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.04	.00	0.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.04	.00	0.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.04	.00	0.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.04	.01	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.05	.01	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.05	.01	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.06	.01	0.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.06	.02	0.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.10	.03	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.11	.05	1.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.15	.08	2.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.27	.22	4.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.76, TOTAL EXCESS = 2.44

K FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 13.	12.50		3.	1.	1.	1.
		(INCHES)	1.995	2.425	2.425	2.425
		(AC-FT)	1.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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          **************
          *            *
256 KK    *      SB6   *
          *            *
          **************

257 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

259 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .00  SUBBASIN AREA

              PRECIPITATION DATA
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260 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                STORM AREA =      .00

261 LS           SCS LOSS RATE
                       STRTL         .74  INITIAL ABSTRACTION
                      CRVNBR       73.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

262 UD           SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .21  LAG

                                                      ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                            6 END-OF-PERIOD ORDINATES
                 5.        4.        1.        0.        0.        0.
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HYDROGRAPH AT STATION SB6

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.10	.46	.64	4.
28	FEB	0115	2	.01	.01	.00	0.	*	28	FEB	1330	51	.28	.09	.19	4.
28	FEB	0130	3	.01	.01	.00	0.	*	28	FEB	1345	52	.18	.05	.12	2.
28	FEB	0145	4	.01	.01	.00	0.	*	28	FEB	1400	53	.14	.04	.10	1.
28	FEB	0200	5	.01	.01	.00	0.	*	28	FEB	1415	54	.08	.02	.06	1.
28	FEB	0215	6	.01	.01	.00	0.	*	28	FEB	1430	55	.07	.02	.05	1.
28	FEB	0230	7	.01	.01	.00	0.	*	28	FEB	1445	56	.06	.02	.05	1.
28	FEB	0245	8	.01	.01	.00	0.	*	28	FEB	1500	57	.06	.02	.04	0.
28	FEB	0300	9	.01	.01	.00	0.	*	28	FEB	1515	58	.05	.01	.04	0.
28	FEB	0315	10	.01	.01	.00	0.	*	28	FEB	1530	59	.05	.01	.04	0.
28	FEB	0330	11	.01	.01	.00	0.	*	28	FEB	1545	60	.04	.01	.03	0.
28	FEB	0345	12	.01	.01	.00	0.	*	28	FEB	1600	61	.04	.01	.03	0.
28	FEB	0400	13	.01	.01	.00	0.	*	28	FEB	1615	62	.05	.01	.04	0.
28	FEB	0415	14	.01	.01	.00	0.	*	28	FEB	1630	63	.05	.01	.03	0.
28	FEB	0430	15	.01	.01	.00	0.	*	28	FEB	1645	64	.04	.01	.03	0.
28	FEB	0445	16	.01	.01	.00	0.	*	28	FEB	1700	65	.04	.01	.03	0.
28	FEB	0500	17	.02	.02	.00	0.	*	28	FEB	1715	66	.04	.01	.03	0.
28	FEB	0515	18	.02	.02	.00	0.	*	28	FEB	1730	67	.04	.01	.03	0.
28	FEB	0530	19	.02	.02	.00	0.	*	28	FEB	1745	68	.04	.01	.03	0.
28	FEB	0545	20	.02	.02	.00	0.	*	28	FEB	1800	69	.04	.01	.03	0.
28	FEB	0600	21	.02	.02	.00	0.	*	28	FEB	1815	70	.03	.01	.03	0.
28	FEB	0615	22	.02	.02	.00	0.	*	28	FEB	1830	71	.03	.01	.03	0.
28	FEB	0630	23	.02	.02	.00	0.	*	28	FEB	1845	72	.03	.01	.02	0.
28	FEB	0645	24	.02	.02	.00	0.	*	28	FEB	1900	73	.03	.01	.02	0.
28	FEB	0700	25	.02	.02	.00	0.	*	28	FEB	1915	74	.02	.00	.02	0.
28	FEB	0715	26	.03	.03	.00	0.	*	28	FEB	1930	75	.02	.00	.01	0.
28	FEB	0730	27	.03	.03	.00	0.	*	28	FEB	1945	76	.02	.00	.01	0.
28	FEB	0745	28	.03	.03	.00	0.	*	28	FEB	2000	77	.02	.00	.01	0.
28	FEB	0800	29	.03	.03	.00	0.	*	28	FEB	2015	78	.02	.00	.01	0.
28	FEB	0815	30	.03	.03	.00	0.	*	28	FEB	2030	79	.02	.00	.01	0.
28	FEB	0830	31	.04	.04	.00	0.	*	28	FEB	2045	80	.02	.00	.01	0.
28	FEB	0845	32	.04	.04	.00	0.	*	28	FEB	2100	81	.02	.00	.01	0.
28	FEB	0900	33	.04	.04	.00	0.	*	28	FEB	2115	82	.02	.00	.01	0.
28	FEB	0915	34	.04	.04	.00	0.	*	28	FEB	2130	83	.02	.00	.01	0.

28 FEB 0930	35	.04	.04	.00	0.	*	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.04	.00	0.	*	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.05	.00	0.	*	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.04	.00	0.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.04	.00	0.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.04	.00	0.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.04	.01	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.05	.01	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.05	.01	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.06	.01	0.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.06	.02	0.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.10	.03	0.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.11	.05	0.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.15	.08	1.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.27	.22	1.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.76, TOTAL EXCESS = 2.44

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 4.	12.25		1.	0.	0.	0.
		(INCHES)	1.997	2.427	2.427	2.427
		(AC-FT)	0.	1.	1.	1.

CUMULATIVE AREA = .00 SQ MI

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          **************
          *            *
266 KK    *     SB7CH  *
          *            *
          **************

267 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               STORAGE ROUTING THROUGH SB7 CHANNEL

                HYDROGRAPH ROUTING DATA

269 RS          STORAGE ROUTING
                      NSTPS          1  NUMBER OF SUBREACHES
                       ITYP       STOR  TYPE OF INITIAL CONDITION
                     RSVRIC        .00  INITIAL CONDITION
                          X        .00 WORKING R AND D COEFFICIENT

270 RC          NORMAL DEPTH CHANNEL ROUTING
                        ANL       .080  LEFT OVERBANK N-VALUE
                       ANCH       .030  MAIN CHANNEL N-VALUE
                        ANR       .080  RIGHT OVERBANK N-VALUE
                      RLNTH       900.  REACH LENGTH
                        SEL      .0020  ENERGY SLOPE
                      ELMAX       70.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                   CROSS-SECTION DATA
                     --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
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272 RY	ELEVATION	71.00	70.50	70.00	67.00	67.00	70.00	70.50	71.00
271 RX	DISTANCE	.00	5.00	10.00	13.00	18.00	21.00	26.00	31.00

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.02	.03	.05	.07	.09	.12	.14	.16	.19
OUTFLOW	.00	.51	1.61	3.17	5.14	7.48	10.18	13.24	16.66	20.43
ELEVATION	67.00	67.16	67.32	67.47	67.63	67.79	67.95	68.11	68.26	68.42
STORAGE	.21	.24	.27	.30	.33	.36	.39	.43	.46	.50
OUTFLOW	24.55	29.03	33.87	39.08	44.66	50.61	56.94	63.66	70.78	78.29
ELEVATION	68.58	68.74	68.89	69.05	69.21	69.37	69.53	69.68	69.84	70.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 3. TO 78.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION SB7CH

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.0	67.0	28 FEB 0915	34	0.	.0	67.0	28 FEB 1730	67	1.	.0	67.3
28 FEB 0115	2	0.	.0	67.0	28 FEB 0930	35	0.	.0	67.0	28 FEB 1745	68	1.	.0	67.3
28 FEB 0130	3	0.	.0	67.0	28 FEB 0945	36	0.	.0	67.0	28 FEB 1800	69	1.	.0	67.3
28 FEB 0145	4	0.	.0	67.0	28 FEB 1000	37	0.	.0	67.0	28 FEB 1815	70	1.	.0	67.3
28 FEB 0200	5	0.	.0	67.0	28 FEB 1015	38	0.	.0	67.0	28 FEB 1830	71	1.	.0	67
28 FEB 0215	6	0.	.0	67.0	28 FEB 1030	39	0.	.0	67.0	28 FEB 1845	72	1.	.0	6
28 FEB 0230	7	0.	.0	67.0	28 FEB 1045	40	0.	.0	67.0	28 FEB 1900	73	1.	.0	67.
28 FEB 0245	8	0.	.0	67.0	28 FEB 1100	41	0.	.0	67.0	28 FEB 1915	74	1.	.0	67.2
28 FEB 0300	9	0.	.0	67.0	28 FEB 1115	42	0.	.0	67.1	28 FEB 1930	75	1.	.0	67.2
28 FEB 0315	10	0.	.0	67.0	28 FEB 1130	43	0.	.0	67.1	28 FEB 1945	76	1.	.0	67.2
28 FEB 0330	11	0.	.0	67.0	28 FEB 1145	44	0.	.0	67.1	28 FEB 2000	77	1.	.0	67.2
28 FEB 0345	12	0.	.0	67.0	28 FEB 1200	45	0.	.0	67.1	28 FEB 2015	78	1.	.0	67.2
28 FEB 0400	13	0.	.0	67.0	28 FEB 1215	46	1.	.0	67.2	28 FEB 2030	79	1.	.0	67.2
28 FEB 0415	14	0.	.0	67.0	28 FEB 1230	47	1.	.0	67.2	28 FEB 2045	80	1.	.0	67.2
28 FEB 0430	15	0.	.0	67.0	28 FEB 1245	48	2.	.0	67.3	28 FEB 2100	81	1.	.0	67.2
28 FEB 0445	16	0.	.0	67.0	28 FEB 1300	49	4.	.1	67.5	28 FEB 2115	82	1.	.0	67.2
28 FEB 0500	17	0.	.0	67.0	28 FEB 1315	50	12.	.1	68.0	28 FEB 2130	83	1.	.0	67.2
28 FEB 0515	18	0.	.0	67.0	28 FEB 1330	51	18.	.2	68.3	28 FEB 2145	84	1.	.0	67.2
28 FEB 0530	19	0.	.0	67.0	28 FEB 1345	52	13.	.1	68.1	28 FEB 2200	85	1.	.0	67.2
28 FEB 0545	20	0.	.0	67.0	28 FEB 1400	53	8.	.1	67.8	28 FEB 2215	86	1.	.0	67.2
28 FEB 0600	21	0.	.0	67.0	28 FEB 1415	54	5.	.1	67.7	28 FEB 2230	87	1.	.0	67.2
28 FEB 0615	22	0.	.0	67.0	28 FEB 1430	55	4.	.1	67.5	28 FEB 2245	88	1.	.0	67.2
28 FEB 0630	23	0.	.0	67.0	28 FEB 1445	56	3.	.1	67.4	28 FEB 2300	89	1.	.0	67.2
28 FEB 0645	24	0.	.0	67.0	28 FEB 1500	57	2.	.0	67.4	28 FEB 2315	90	0.	.0	67.2
28 FEB 0700	25	0.	.0	67.0	28 FEB 1515	58	2.	.0	67.4	28 FEB 2330	91	0.	.0	67.2
28 FEB 0715	26	0.	.0	67.0	28 FEB 1530	59	2.	.0	67.3	28 FEB 2345	92	0.	.0	67.1
28 FEB 0730	27	0.	.0	67.0	28 FEB 1545	60	2.	.0	67.3	1 MAR 0000	93	0.	.0	67.1
28 FEB 0745	28	0.	.0	67.0	28 FEB 1600	61	2.	.0	67.3	1 MAR 0015	94	0.	.0	67.1
28 FEB 0800	29	0.	.0	67.0	28 FEB 1615	62	2.	.0	67.3	1 MAR 0030	95	0.	.0	67.1
28 FEB 0815	30	0.	.0	67.0	28 FEB 1630	63	2.	.0	67.3	1 MAR 0045	96	0.	.0	67.1
28 FEB 0830	31	0.	.0	67.0	28 FEB 1645	64	2.	.0	67.3	1 MAR 0100	97	0.	.0	67.1
28 FEB 0845	32	0.	.0	67.0	28 FEB 1700	65	2.	.0	67.3					
28 FEB 0900	33	0.	.0	67.0	28 FEB 1715	66	1.	.0	67.3					

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PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR

```
+  (CFS)       (HR)
                          (CFS)
+      18.     12.50                    4.          1.          1.          1.
                        (INCHES)     1.993       2.410       2.410       2.410
                         (AC-FT)        2.          2.          2.          2.

 PEAK STORAGE   TIME                          MAXIMUM AVERAGE STORAGE
                                        6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
        0.     12.50                    0.          0.          0.          0.

  PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                        6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
     68.31     12.50                  67.48       67.17       67.17       67.17

                        CUMULATIVE AREA =     .02 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


            **************
            *            *
 273 KK     *      SB1   *
            *            *
            **************

 274 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

 276 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .03  SUBBASIN AREA

                 PRECIPITATION DATA

 277 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .03

 278 LS          SCS LOSS RATE
                       STRTL         .27  INITIAL ABSTRACTION
                      CRVNBR       88.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 279 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .15  LAG

                                                          ***

   'ING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                  5 END-OF-PERIOD ORDINATES
                55.       21.        5.        1.        0.
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HYDROGRAPH AT STATION SB1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	28	FEB	1315	50	1.10	.14	.96	62.
28	FEB	0115	2	.01	.01	.00	0.	28	FEB	1330	51	.28	.03	.26	37.
28	FEB	0130	3	.01	.01	.00	0.	28	FEB	1345	52	.18	.01	.16	20.
28	FEB	0145	4	.01	.01	.00	0.	28	FEB	1400	53	.14	.01	.13	13.
28	FEB	0200	5	.01	.01	.00	0.	28	FEB	1415	54	.08	.01	.08	8.
28	FEB	0215	6	.01	.01	.00	0.	28	FEB	1430	55	.07	.01	.07	6.
28	FEB	0230	7	.01	.01	.00	0.	28	FEB	1445	56	.06	.00	.06	5.
28	FEB	0245	8	.01	.01	.00	0.	28	FEB	1500	57	.06	.00	.05	5.
28	FEB	0300	9	.01	.01	.00	0.	28	FEB	1515	58	.05	.00	.05	4.
28	FEB	0315	10	.01	.01	.00	0.	28	FEB	1530	59	.05	.00	.04	4.
28	FEB	0330	11	.01	.01	.00	0.	28	FEB	1545	60	.04	.00	.04	4.
28	FEB	0345	12	.01	.01	.00	0.	28	FEB	1600	61	.04	.00	.04	3.
28	FEB	0400	13	.01	.01	.00	0.	28	FEB	1615	62	.05	.00	.04	4.
28	FEB	0415	14	.01	.01	.00	0.	28	FEB	1630	63	.05	.00	.04	4.
28	FEB	0430	15	.01	.01	.00	0.	28	FEB	1645	64	.04	.00	.04	3.
28	FEB	0445	16	.01	.01	.00	0.	28	FEB	1700	65	.04	.00	.04	3.
28	FEB	0500	17	.02	.02	.00	0.	28	FEB	1715	66	.04	.00	.04	3.
28	FEB	0515	18	.02	.02	.00	0.	28	FEB	1730	67	.04	.00	.04	3.
28	FEB	0530	19	.02	.02	.00	0.	28	FEB	1745	68	.04	.00	.03	3.
28	FEB	0545	20	.02	.02	.00	0.	28	FEB	1800	69	.04	.00	.03	3.
28	FEB	0600	21	.02	.02	.00	0.	28	FEB	1815	70	.03	.00	.03	3.
28	FEB	0615	22	.02	.02	.00	0.	28	FEB	1830	71	.03	.00	.03	3.
28	FEB	0630	23	.02	.02	.00	0.	28	FEB	1845	72	.03	.00	.03	3.
28	FEB	0645	24	.02	.02	.00	0.	28	FEB	1900	73	.03	.00	.03	2.
28	FEB	0700	25	.02	.02	.00	0.	28	FEB	1915	74	.02	.00	.02	2.
28	FEB	0715	26	.03	.03	.00	0.	28	FEB	1930	75	.02	.00	.02	2.
28	FEB	0730	27	.03	.03	.00	0.	28	FEB	1945	76	.02	.00	.02	1.
28	FEB	0745	28	.03	.03	.01	0.	28	FEB	2000	77	.02	.00	.02	1.
28	FEB	0800	29	.03	.03	.01	1.	28	FEB	2015	78	.02	.00	.02	1.
28	FEB	0815	30	.03	.03	.01	1.	28	FEB	2030	79	.02	.00	.02	1.
28	FEB	0830	31	.04	.03	.01	1.	28	FEB	2045	80	.02	.00	.02	1.
28	FEB	0845	32	.04	.03	.01	1.	28	FEB	2100	81	.02	.00	.02	1.
28	FEB	0900	33	.04	.03	.01	1.	28	FEB	2115	82	.02	.00	.01	1.
28	FEB	0915	34	.04	.02	.02	1.	28	FEB	2130	83	.02	.00	.01	1.
28	FEB	0930	35	.04	.02	.02	1.	28	FEB	2145	84	.01	.00	.01	1.
28	FEB	0945	36	.04	.02	.02	2.	28	FEB	2200	85	.01	.00	.01	1.
28	FEB	1000	37	.05	.02	.02	2.	28	FEB	2215	86	.01	.00	.01	1.
28	FEB	1015	38	.04	.02	.02	2.	28	FEB	2230	87	.01	.00	.01	1.
28	FEB	1030	39	.04	.02	.02	2.	28	FEB	2245	88	.01	.00	.01	1.
28	FEB	1045	40	.05	.02	.02	2.	28	FEB	2300	89	.01	.00	.01	1.
28	FEB	1100	41	.05	.02	.03	2.	28	FEB	2315	90	.01	.00	.01	1.
28	FEB	1115	42	.05	.02	.03	2.	28	FEB	2330	91	.01	.00	.01	1.
28	FEB	1130	43	.06	.02	.04	3.	28	FEB	2345	92	.01	.00	.01	1.
28	FEB	1145	44	.07	.03	.04	3.	1	MAR	0000	93	.01	.00	.01	1.
28	FEB	1200	45	.08	.03	.05	4.	1	MAR	0015	94	.01	.00	.01	1.
28	FEB	1215	46	.13	.04	.09	6.	1	MAR	0030	95	.01	.00	.01	1.
28	FEB	1230	47	.16	.05	.11	8.	1	MAR	0045	96	.01	.00	.01	1.
28	FEB	1245	48	.23	.06	.17	12.	1	MAR	0100	97	.01	.00	.01	1.
28	FEB	1300	49	.49	.10	.39	26.								

TOTAL RAINFALL = 5.20, TOTAL LOSS = 1.34, TOTAL EXCESS = 3.86

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW 6-HR (CFS)	24-HR	72-HR	24.00-HR
+					

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+     62.     12.25                    10.          3.          3.          3.
                        (INCHES)     3.029       3.849       3.849       3.849
                         (AC-FT)        5.          7.          7.          7.

                         CUMULATIVE AREA =     .03 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


            **************
            *            *
 280 KK     *      SB2   *
            *            *
            **************

 281 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

 283 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .01  SUBBASIN AREA

                 PRECIPITATION DATA

 284 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .01

 285 LS          SCS LOSS RATE
                      STRTL         .11  INITIAL ABSTRACTION
                     CRVNBR       95.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

 286 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .06  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                 5 END-OF-PERIOD ORDINATES
                21.        6.        1.        0.        0.

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                                                HYDROGRAPH AT STATION      SB2

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                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.10     .03    1.07        26.
      28 FEB 0115    2     .01     .01     .00         0.        *      28 FEB 1330   51     .28     .01     .28        13.
      28 FEB 0130    3     .01     .01     .00         0.        *      28 FEB 1345   52     .18     .00     .17         7.
      28 FEB 0145    4     .01     .01     .00         0.        *      28 FEB 1400   53     .14     .00     .14         5.
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28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.00	.08	3.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.00	.07	2.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.00	.06	2.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.00	.06	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.00	.05	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.00	.05	1.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.00	.04	1.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.00	.04	1.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.00	.05	1.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.00	.04	1.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.00	.04	1.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.00	.04	1.
28 FEB 0500	17	.02	.01	.00	0.	*	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.01	.01	0.	*	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.01	.01	0.	*	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.01	.01	0.	*	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.01	.01	0.	*	28 FEB 1815	70	.03	.00	.03	1.
28 FEB 0615	22	.02	.01	.01	0.	*	28 FEB 1830	71	.03	.00	.03	1.
28 FEB 0630	23	.02	.01	.01	0.	*	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.02	.01	.01	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.01	.01	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.01	.02	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.01	.02	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.03	.01	.02	1.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.03	.01	.02	1.	*	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.03	.01	.02	1.	*	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.01	.02	1.	*	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.01	.03	1.	*	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.01	.03	1.	*	28 FEB 2115	82	.02	.00	.02	0.
28 FEB 0915	34	.04	.01	.03	1.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.01	.03	1.	*	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.01	.03	1.	*	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.01	.04	1.	*	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.01	.03	1.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.01	.04	1.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.01	.04	1.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.01	.04	1.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.01	.05	1.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.01	.05	1.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.01	.06	2.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.01	.07	2.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.01	.12	3.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.01	.14	4.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.02	.21	6.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.02	.47	11.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = .58, TOTAL EXCESS = 4.62

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 26.	12.25		4.	1.	1.	1.
		(INCHES)	3.455	4.608	4.608	4.608
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .01 SQ MI

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              **************
              *            *
290 KK        *    8CSWP   *
              *            *
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291 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                              DIRECT INPUT HYDROGRAPH FROM READING, UNDER RTE 93

  6 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN         15  TIME INTERVAL IN MINUTES
                     JXDATE    28FEB91  STARTING DATE
                     JXTIME        100  STARTING TIME

              SUBBASIN RUNOFF DATA

293 BA          SUBBASIN CHARACTERISTICS
                      TAREA       1.43  SUBBASIN AREA

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HYDROGRAPH AT STATION 8CSWP

DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	11.	28 FEB 1330	51	342.	28 FEB 1945	76	138.
28 FEB 0115	2	0.	28 FEB 0730	27	11.	28 FEB 1345	52	429.	28 FEB 2000	77	124.
28 FEB 0130	3	0.	28 FEB 0745	28	11.	28 FEB 1400	53	445.	28 FEB 2015	78	112.
28 FEB 0145	4	0.	28 FEB 0800	29	11.	28 FEB 1415	54	422.	28 FEB 2030	79	101.
28 FEB 0200	5	0.	28 FEB 0815	30	11.	28 FEB 1430	55	383.	28 FEB 2045	80	93.
28 FEB 0215	6	0.	28 FEB 0830	31	11.	28 FEB 1445	56	346.	28 FEB 2100	81	86.
28 FEB 0230	7	0.	28 FEB 0845	32	11.	28 FEB 1500	57	314.	28 FEB 2115	82	81.
28 FEB 0245	8	0.	28 FEB 0900	33	11.	28 FEB 1515	58	291.	28 FEB 2130	83	77.
28 FEB 0300	9	1.	28 FEB 0915	34	11.	28 FEB 1530	59	274.	28 FEB 2145	84	73.
28 FEB 0315	10	3.	28 FEB 0930	35	11.	28 FEB 1545	60	262.	28 FEB 2200	85	71.
28 FEB 0330	11	4.	28 FEB 0945	36	11.	28 FEB 1600	61	253.	28 FEB 2215	86	69.
28 FEB 0345	12	6.	28 FEB 1000	37	12.	28 FEB 1615	62	246.	28 FEB 2230	87	67.
28 FEB 0400	13	7.	28 FEB 1015	38	13.	28 FEB 1630	63	241.	28 FEB 2245	88	65.
28 FEB 0415	14	8.	28 FEB 1030	39	14.	28 FEB 1645	64	237.	28 FEB 2300	89	64.
28 FEB 0430	15	9.	28 FEB 1045	40	16.	28 FEB 1700	65	233.	28 FEB 2315	90	63.
28 FEB 0445	16	10.	28 FEB 1100	41	19.	28 FEB 1715	66	228.	28 FEB 2330	91	62.
28 FEB 0500	17	10.	28 FEB 1115	42	22.	28 FEB 1730	67	223.	28 FEB 2345	92	61.
28 FEB 0515	18	10.	28 FEB 1130	43	25.	28 FEB 1745	68	218.	1 MAR 0000	93	60.
28 FEB 0530	19	10.	28 FEB 1145	44	29.	28 FEB 1800	69	212.	1 MAR 0015	94	59.
28 FEB 0545	20	10.	28 FEB 1200	45	35.	28 FEB 1815	70	206.	1 MAR 0030	95	58.
28 FEB 0600	21	11.	28 FEB 1215	46	42.	28 FEB 1830	71	199.	1 MAR 0045	96	57.
28 FEB 0615	22	11.	28 FEB 1230	47	54.	28 FEB 1845	72	192.	1 MAR 0100	97	57.
28 FEB 0630	23	11.	28 FEB 1245	48	73.	28 FEB 1900	73	184.			
28 FEB 0645	24	11.	28 FEB 1300	49	112.	28 FEB 1915	74	172.			
28 FEB 0700	25	11.	28 FEB 1315	50	207.	28 FEB 1930	75	154.			

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 445.	13.00		274.	97.	97.	97.
		(INCHES)	1.780	2.523	2.523	2.523

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                    (AC-FT)      136.        192.        192.        192.

                    CUMULATIVE AREA =    1.43 SQ MI


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          *            *
307 KK    *     PHPND  *
          *            *
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308 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               STORAGE ROUTING THROUGH PHILLIPS POND

             HYDROGRAPH ROUTING DATA

310 RS          STORAGE ROUTING
                      NSTPS           1  NUMBER OF SUBREACHES
                       ITYP        ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC       57.00  INITIAL CONDITION
                          X         .00 WORKING R AND D COEFFICIENT

311 SA               AREA         3.9       4.8       5.5       7.5       8.8      11.9

312 SE          ELEVATION       57.00     59.50     60.60     62.00     64.00     66.00

313 SL          LOW-LEVEL OUTLET
                      ELEVL       57.50  ELEVATION AT CENTER OF OUTLET
                      CAREA       14.14  CROSS-SECTIONAL AREA
                       COQL         .60  COEFFICIENT
                       EXPL         .50  EXPONENT OF HEAD

314 SS          SPILLWAY
                       CREL       65.90  SPILLWAY CREST ELEVATION
                      SPWID       40.00  SPILLWAY WIDTH
                       COQW        3.00  WEIR COEFFICIENT
                       EXPW        1.50  EXPONENT OF HEAD

                                                    ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00      10.91     16.59     25.69     42.01     62.64
        ELEVATION      57.00      59.50     60.60     62.00     64.00     66.00

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00        .00     97.70    105.29    114.15    124.65    137.28    152.75    172.15    197.20
        ELEVATION      57.00      57.50     59.56     59.89     60.31     60.86     61.57     62.54     63.90     65.90

          OUTFLOW     197.39     197.54    197.77    198.07    198.46    198.96    199.56    200.29    201.16    202.17
        ELEVATION      65.91      65.91     65.92     65.93     65.94     65.95     65.96     65.97     65.98     66.00


                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00       2.00     10.91     11.21     12.86     15.05     16.59     18.05     22.60     25.69
          OUTFLOW        .00        .00     96.23     97.70    105.29    114.15    119.80    124.65    137.28    144.34
```

ELEVATION	57.00	57.50	59.50	59.56	59.89	60.31	60.60	60.86	61.57	62.00
STORAGE	29.84	41.15	42.01	61.45	61.61	61.78	62.00	62.14	62.29	62.45
OUTFLOW	152.75	172.15	173.47	197.20	197.54	198.07	198.96	199.56	200.29	201.16
ELEVATION	62.54	63.90	64.00	65.90	65.91	65.93	65.95	65.96	65.97	65.98
STORAGE	62.64									
OUTFLOW	202.17									
ELEVATION	66.00									

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HYDROGRAPH AT STATION PHPND

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	57.0	28	FEB	0915	34	12.	3.1	57.7	28	FEB	1730	67	346.	88.4	68.2
28	FEB	0115	2	0.	.0	57.0	28	FEB	0930	35	12.	3.2	57.8	28	FEB	1745	68	351.	89.2	68.2
28	FEB	0130	3	0.	.0	57.0	28	FEB	0945	36	13.	3.2	57.8	28	FEB	1800	69	354.	89.9	68.3
28	FEB	0145	4	0.	.0	57.0	28	FEB	1000	37	14.	3.3	57.8	28	FEB	1815	70	357.	90.3	68.3
28	FEB	0200	5	0.	.0	57.0	28	FEB	1015	38	14.	3.3	57.8	28	FEB	1830	71	358.	90.5	68.3
28	FEB	0215	6	0.	.0	57.0	28	FEB	1030	39	15.	3.4	57.8	28	FEB	1845	72	358.	90.4	68.3
28	FEB	0230	7	0.	.0	57.0	28	FEB	1045	40	16.	3.5	57.8	28	FEB	1900	73	356.	90.2	68.3
28	FEB	0245	8	0.	.0	57.0	28	FEB	1100	41	18.	3.7	57.9	28	FEB	1915	74	353.	89.6	68.3
28	FEB	0300	9	0.	.0	57.0	28	FEB	1115	42	21.	3.9	57.9	28	FEB	1930	75	348.	88.7	68.2
28	FEB	0315	10	0.	.1	57.0	28	FEB	1130	43	24.	4.2	58.0	28	FEB	1945	76	341.	87.5	68.1
28	FEB	0330	11	0.	.1	57.0	28	FEB	1145	44	28.	4.5	58.1	28	FEB	2000	77	332.	86.0	68.0
28	FEB	0345	12	0.	.2	57.1	28	FEB	1200	45	32.	5.0	58.2	28	FEB	2015	78	323.	84.2	67.8
28	FEB	0400	13	0.	.4	57.1	28	FEB	1215	46	39.	5.6	58.3	28	FEB	2030	79	312.	82.3	67.7
28	FEB	0415	14	0.	.5	57.1	28	FEB	1230	47	48.	6.5	58.5	28	FEB	2045	80	301.	80.3	67.5
	FEB	0430	15	0.	.7	57.2	28	FEB	1245	48	61.	7.7	58.8	28	FEB	2100	81	290.	78.3	67.3
	FEB	0445	16	0.	.9	57.2	28	FEB	1300	49	83.	9.7	59.2	28	FEB	2115	82	278.	76.3	67.1
28	FEB	0500	17	0.	1.1	57.3	28	FEB	1315	50	110.	14.0	60.1	28	FEB	2130	83	267.	74.3	67.0
28	FEB	0515	18	0.	1.3	57.3	28	FEB	1330	51	133.	21.0	61.3	28	FEB	2145	84	256.	72.4	66.8
28	FEB	0530	19	0.	1.5	57.4	28	FEB	1345	52	152.	29.6	62.5	28	FEB	2200	85	246.	70.5	66.7
28	FEB	0545	20	0.	1.7	57.4	28	FEB	1400	53	168.	38.6	63.6	28	FEB	2215	86	236.	68.7	66.5
28	FEB	0600	21	0.	2.0	57.5	28	FEB	1415	54	179.	46.9	64.5	28	FEB	2230	87	226.	67.0	66.4
28	FEB	0615	22	2.	2.2	57.5	28	FEB	1430	55	188.	54.2	65.2	28	FEB	2245	88	217.	65.3	66.2
28	FEB	0630	23	4.	2.3	57.6	28	FEB	1445	56	196.	60.4	65.8	28	FEB	2300	89	209.	63.8	66.1
28	FEB	0645	24	5.	2.5	57.6	28	FEB	1500	57	219.	65.7	66.3	28	FEB	2315	90	201.	62.3	66.0
28	FEB	0700	25	6.	2.6	57.6	28	FEB	1515	58	244.	70.0	66.6	28	FEB	2330	91	197.	60.9	65.9
28	FEB	0715	26	7.	2.7	57.7	28	FEB	1530	59	263.	73.6	66.9	28	FEB	2345	92	195.	59.5	65.7
28	FEB	0730	27	8.	2.8	57.7	28	FEB	1545	60	280.	76.5	67.2	1	MAR	0000	93	193.	58.1	65.6
28	FEB	0745	28	9.	2.8	57.7	28	FEB	1600	61	294.	79.0	67.4	1	MAR	0015	94	191.	56.6	65.4
28	FEB	0800	29	10.	2.9	57.7	28	FEB	1615	62	306.	81.1	67.6	1	MAR	0030	95	190.	55.2	65.3
28	FEB	0815	30	10.	2.9	57.7	28	FEB	1630	63	316.	83.0	67.7	1	MAR	0045	96	188.	53.7	65.1
28	FEB	0830	31	11.	3.0	57.7	28	FEB	1645	64	325.	84.7	67.9	1	MAR	0100	97	186.	52.2	65.0
28	FEB	0845	32	11.	3.0	57.7	28	FEB	1700	65	333.	86.1	68.0							
28	FEB	0900	33	11.	3.1	57.7	28	FEB	1715	66	340.	87.4	68.1							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
+ 358.	17.50		326.	136.	136.	136.
		(INCHES)	1.026	1.714	1.714	1.714
		(AC-FT)	162.	270.	270.	270.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
+ 90.	17.50	85.	36.	36.	36.

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 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    68.34     17.50                67.86       62.02       62.02        62.02

                      CUMULATIVE AREA =    2.95 SQ MI


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          *            *
 315 KK   *      HP4   *
          *            *
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 316 KO        OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

 318 BA        SUBBASIN CHARACTERISTICS
                     TAREA         .01  SUBBASIN AREA

               PRECIPITATION DATA

 319 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .01

 320 LS        SCS LOSS RATE
                     STRTL         .63  INITIAL ABSTRACTION
                    CRVNBR       76.00  CURVE NUMBER
                     RTIMP         .00  PERCENT IMPERVIOUS AREA

 321 UD        SCS DIMENSIONLESS UNITGRAPH
                      TLAG         .34  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                  9 END-OF-PERIOD ORDINATES
               7.       14.       7.       3.       1.       1.       0.       0.       0.

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                                              HYDROGRAPH AT STATION      HP4

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                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.10     .39     .71        10.
      28 FEB 0115    2     .01     .01     .00         0.        *      28 FEB 1330   51     .28     .08     .20        13.
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28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.05	.13	10.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.03	.11	7.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.02	.06	5.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.02	.06	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.01	.05	2.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.01	.04	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.01	.04	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.01	.04	1.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.01	.03	1.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.01	.03	1.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.01	.04	1.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.01	.03	1.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.01	.03	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.03	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.01	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.01	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.01	1.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.01	1.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.01	1.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.01	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.01	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.04	.00	0.	*	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.04	.00	0.	*	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.04	.00	0.	*	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.04	.00	0.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.04	.01	0.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.04	.01	0.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.04	.01	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.04	.01	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.05	.01	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.05	.02	0.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.06	.02	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.09	.04	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.10	.06	1.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.13	.10	2.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.24	.25	4.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.50, TOTAL EXCESS = 2.70

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 13.	12.50		3.	1.	1.	1.
		(INCHES)	2.198	2.683	2.683	2.683
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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          *            *
322 KK    *    HP4SWP  *
          *            *
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323 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                              ROUTING THROUGH WET AREA NEAR ARSENIC POND

             HYDROGRAPH ROUTING DATA

325 RS          STORAGE ROUTING
                      NSTPS          1  NUMBER OF SUBREACHES
                       ITYP       ELEV  TYPE OF INITIAL CONDITION
                      RSVRIC      69.90  INITIAL CONDITION
                          X        .00 WORKING R AND D COEFFICIENT

326 SA               AREA         .3       .6      1.9

327 SE          ELEVATION      68.00    69.00    70.00

328 SS          SPILLWAY
                       CREL      69.90  SPILLWAY CREST ELEVATION
                      SPWID      30.00  SPILLWAY WIDTH
                       COQW       3.00  WEIR COEFFICIENT
                       EXPW       1.50  EXPONENT OF HEAD
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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.48	1.68
ELEVATION	68.00	69.00	70.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.00	.00	.01	.03	.06	.11	.17	.25
ELEVATION	68.00	69.90	69.90	69.90	69.90	69.90	69.91	69.91	69.92	69.92
OUTFLOW	.36	.49	.65	.84	1.07	1.34	1.65	2.00	2.40	2.85
ELEVATION	69.93	69.93	69.94	69.94	69.95	69.96	69.97	69.98	69.99	70.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.48	1.50	1.52	1.55	1.57	1.59	1.63	1.66	1.68
OUTFLOW	.00	.00	.00	.11	.36	.65	1.07	1.65	2.40	2.85
ELEVATION	68.00	69.00	69.90	69.91	69.93	69.94	69.95	69.97	69.99	70.00

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HYDROGRAPH AT STATION HP4SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAL
28	FEB	0100	1	0.	1.5	69.9	*	28	FEB	0915	34	0.	1.5	69.9	*	28	FEB	1730	67	1.	1.6	70.0
28	FEB	0115	2	0.	1.5	69.9	*	28	FEB	0930	35	0.	1.5	69.9	*	28	FEB	1745	68	1.	1.6	70.0
28	FEB	0130	3	0.	1.5	69.9	*	28	FEB	0945	36	0.	1.5	69.9	*	28	FEB	1800	69	1.	1.6	70.0

28 FEB 0145	4	0.	1.5	69.9 *	28 FEB 1000	37	0.	1.5	69.9 *	28 FEB 1815	70	1.	1.6	70.0
28 FEB 0200	5	0.	1.5	69.9 *	28 FEB 1015	38	0.	1.5	69.9 *	28 FEB 1830	71	1.	1.6	70.0
28 FEB 0215	6	0.	1.5	69.9 *	28 FEB 1030	39	0.	1.5	69.9 *	28 FEB 1845	72	1.	1.6	69.9
28 FEB 0230	7	0.	1.5	69.9 *	28 FEB 1045	40	0.	1.5	69.9 *	28 FEB 1900	73	1.	1.6	69.9
28 FEB 0245	8	0.	1.5	69.9 *	28 FEB 1100	41	0.	1.5	69.9 *	28 FEB 1915	74	1.	1.6	69.9
FEB 0300	9	0.	1.5	69.9 *	28 FEB 1115	42	0.	1.5	69.9 *	28 FEB 1930	75	1.	1.6	69.9
FEB 0315	10	0.	1.5	69.9 *	28 FEB 1130	43	0.	1.5	69.9 *	28 FEB 1945	76	1.	1.6	69.9
28 FEB 0330	11	0.	1.5	69.9 *	28 FEB 1145	44	0.	1.5	69.9 *	28 FEB 2000	77	1.	1.6	69.9
28 FEB 0345	12	0.	1.5	69.9 *	28 FEB 1200	45	0.	1.5	69.9 *	28 FEB 2015	78	1.	1.6	69.9
28 FEB 0400	13	0.	1.5	69.9 *	28 FEB 1215	46	0.	1.5	69.9 *	28 FEB 2030	79	1.	1.6	69.9
28 FEB 0415	14	0.	1.5	69.9 *	28 FEB 1230	47	0.	1.6	69.9 *	28 FEB 2045	80	1.	1.6	69.9
28 FEB 0430	15	0.	1.5	69.9 *	28 FEB 1245	48	1.	1.6	69.9 *	28 FEB 2100	81	1.	1.6	69.9
28 FEB 0445	16	0.	1.5	69.9 *	28 FEB 1300	49	1.	1.6	70.0 *	28 FEB 2115	82	1.	1.6	69.9
28 FEB 0500	17	0.	1.5	69.9 *	28 FEB 1315	50	3.	1.7	70.0 *	28 FEB 2130	83	1.	1.6	69.9
28 FEB 0515	18	0.	1.5	69.9 *	28 FEB 1330	51	6.	1.8	70.1 *	28 FEB 2145	84	0.	1.6	69.9
28 FEB 0530	19	0.	1.5	69.9 *	28 FEB 1345	52	8.	1.9	70.1 *	28 FEB 2200	85	0.	1.6	69.9
28 FEB 0545	20	0.	1.5	69.9 *	28 FEB 1400	53	8.	1.9	70.1 *	28 FEB 2215	86	0.	1.6	69.9
28 FEB 0600	21	0.	1.5	69.9 *	28 FEB 1415	54	7.	1.9	70.1 *	28 FEB 2230	87	0.	1.6	69.9
28 FEB 0615	22	0.	1.5	69.9 *	28 FEB 1430	55	6.	1.8	70.1 *	28 FEB 2245	88	0.	1.6	69.9
28 FEB 0630	23	0.	1.5	69.9 *	28 FEB 1445	56	5.	1.8	70.0 *	28 FEB 2300	89	0.	1.6	69.9
28 FEB 0645	24	0.	1.5	69.9 *	28 FEB 1500	57	4.	1.7	70.0 *	28 FEB 2315	90	0.	1.5	69.9
28 FEB 0700	25	0.	1.5	69.9 *	28 FEB 1515	58	3.	1.7	70.0 *	28 FEB 2330	91	0.	1.5	69.9
28 FEB 0715	26	0.	1.5	69.9 *	28 FEB 1530	59	3.	1.7	70.0 *	28 FEB 2345	92	0.	1.5	69.9
28 FEB 0730	27	0.	1.5	69.9 *	28 FEB 1545	60	2.	1.6	70.0 *	1 MAR 0000	93	0.	1.5	69.9
28 FEB 0745	28	0.	1.5	69.9 *	28 FEB 1600	61	2.	1.6	70.0 *	1 MAR 0015	94	0.	1.5	69.9
28 FEB 0800	29	0.	1.5	69.9 *	28 FEB 1615	62	2.	1.6	70.0 *	1 MAR 0030	95	0.	1.5	69.9
28 FEB 0815	30	0.	1.5	69.9 *	28 FEB 1630	63	1.	1.6	70.0 *	1 MAR 0045	96	0.	1.5	69.9
28 FEB 0830	31	0.	1.5	69.9 *	28 FEB 1645	64	1.	1.6	70.0 *	1 MAR 0100	97	0.	1.5	69.9
28 FEB 0845	32	0.	1.5	69.9 *	28 FEB 1700	65	1.	1.6	70.0 *					
28 FEB 0900	33	0.	1.5	69.9 *	28 FEB 1715	66	1.	1.6	70.0 *					

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\K FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 8.	13.00		3.	1.	1.	1.
		(INCHES)	2.152	2.620	2.620	2.620
		(AC-FT)	1.	2.	2.	2.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
2.	12.75	2.	2.	2.	2.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
70.13	13.00	70.00	69.94	69.94	69.94

CUMULATIVE AREA = .01 SQ MI

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        ***************
        *             *
? KK    *      HP5    *
        *             *
        ***************
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330 KO OUTPUT CONTROL VARIABLES

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                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        SCS RUNOFF CALCULATION

          SUBBASIN RUNOFF DATA

332 BA        SUBBASIN CHARACTERISTICS
                TAREA        .01  SUBBASIN AREA

              PRECIPITATION DATA

333 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .01

334 LS        SCS LOSS RATE
                STRTL        .38  INITIAL ABSTRACTION
               CRVNBR      84.00  CURVE NUMBER
                RTIMP        .00  PERCENT IMPERVIOUS AREA

335 UD        SCS DIMENSIONLESS UNITGRAPH
                 TLAG        .19  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                              UNIT HYDROGRAPH
                                          6 END-OF-PERIOD ORDINATES
          21.       13.       3.       1.       0.       0.
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HYDROGRAPH AT STATION HP5

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
						*						
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.10	.22	.88	24.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.28	.04	.24	18.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.02	.15	10.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.02	.12	6.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.01	.07	4.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.01	.06	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.01	.06	2.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.01	.05	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.01	.05	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.01	.04	2.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.00	.04	2.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.00	.04	2.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.00	.04	2.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.00	.04	2.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.00	.04	2.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.03	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	1.

28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.00	0.	*	28 FEB 2045	80	.02	.00	.01	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.01	1.
28 FEB 0900	33	.04	.03	.01	0.	*	28 FEB 2115	82	.02	.00	.01	1.
28 FEB 0915	34	.04	.03	.01	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.04	.03	.01	0.	*	28 FEB 2145	84	.01	.00	.01	1.
28 FEB 0945	36	.04	.03	.01	0.	*	28 FEB 2200	85	.01	.00	.01	1.
28 FEB 1000	37	.05	.03	.01	1.	*	28 FEB 2215	86	.01	.00	.01	1.
28 FEB 1015	38	.04	.03	.01	1.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.03	.02	1.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.03	.02	1.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.03	.02	1.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.03	.02	1.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.03	.03	1.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.03	.03	1.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.04	.04	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.06	.07	2.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.06	.09	3.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.08	.15	5.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.14	.35	10.	*						
						*						

****

TOTAL RAINFALL = 5.20, TOTAL LOSS = 1.75, TOTAL EXCESS = 3.45

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
+ 24.	12.25		4.	1.	1.	1.
		(INCHES)	2.756	3.442	3.442	3.442
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .01 SQ MI

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          *            *
339 KK    *   HP5SWP   *
          *            *
          **************

340 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

            HYDROGRAPH ROUTING DATA

  : RS      STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      68.00  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT
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343 SA              AREA          .0        .3

344 SE          ELEVATION       68.00     69.00

345 SS          SPILLWAY
                      CREL       68.90  SPILLWAY CREST ELEVATION
                     SPWID       15.00  SPILLWAY WIDTH
                      COQW        3.00  WEIR COEFFICIENT
                      EXPW        1.50  EXPONENT OF HEAD
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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.10
ELEVATION	68.00	69.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.00	.00	.01	.02	.03	.05	.08	.12
ELEVATION	68.00	68.90	68.90	68.90	68.90	68.90	68.91	68.91	68.92	68.92
OUTFLOW	.18	.24	.32	.42	.54	.67	.82	1.00	1.20	1.42
ELEVATION	68.93	68.93	68.94	68.94	68.95	68.96	68.97	68.98	68.99	69.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.07	.08	.08	.08	.09	.09	.10	.10
OUTFLOW	.00	.00	.05	.18	.32	.54	.82	1.20	1.42
ELEVATION	68.00	68.90	68.91	68.93	68.94	68.95	68.97	68.99	69.00

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HYDROGRAPH AT STATION HP5SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	68.0	28	FEB	0915	34	0.	.0	68.3	28	FEB	1730	67	3.	.1	69.1
28	FEB	0115	2	0.	.0	68.0	28	FEB	0930	35	0.	.0	68.3	28	FEB	1745	68	3.	.1	69.1
28	FEB	0130	3	0.	.0	68.0	28	FEB	0945	36	0.	.0	68.4	28	FEB	1800	69	2.	.1	69.0
28	FEB	0145	4	0.	.0	68.0	28	FEB	1000	37	0.	.0	68.6	28	FEB	1815	70	2.	.1	69.0
28	FEB	0200	5	0.	.0	68.0	28	FEB	1015	38	0.	.1	68.7	28	FEB	1830	71	2.	.1	69.0
28	FEB	0215	6	0.	.0	68.0	28	FEB	1030	39	0.	.1	68.8	28	FEB	1845	72	2.	.1	69.0
28	FEB	0230	7	0.	.0	68.0	28	FEB	1045	40	0.	.1	68.9	28	FEB	1900	73	2.	.1	69.0
28	FEB	0245	8	0.	.0	68.0	28	FEB	1100	41	1.	.1	69.0	28	FEB	1915	74	2.	.1	69.0
28	FEB	0300	9	0.	.0	68.0	28	FEB	1115	42	1.	.1	69.0	28	FEB	1930	75	2.	.1	69.0
28	FEB	0315	10	0.	.0	68.0	28	FEB	1130	43	1.	.1	69.0	28	FEB	1945	76	2.	.1	69.0
28	FEB	0330	11	0.	.0	68.0	28	FEB	1145	44	1.	.1	69.0	28	FEB	2000	77	1.	.1	69.0
28	FEB	0345	12	0.	.0	68.0	28	FEB	1200	45	1.	.1	69.0	28	FEB	2015	78	1.	.1	69.0
28	FEB	0400	13	0.	.0	68.0	28	FEB	1215	46	2.	.1	69.0	28	FEB	2030	79	1.	.1	69.0
28	FEB	0415	14	0.	.0	68.0	28	FEB	1230	47	3.	.1	69.1	28	FEB	2045	80	1.	.1	69.0
28	FEB	0430	15	0.	.0	68.0	28	FEB	1245	48	4.	.1	69.1	28	FEB	2100	81	1.	.1	69.0
28	FEB	0445	16	0.	.0	68.0	28	FEB	1300	49	7.	.2	69.3	28	FEB	2115	82	1.	.1	69.0
28	FEB	0500	17	0.	.0	68.0	28	FEB	1315	50	17.	.3	69.7	28	FEB	2130	83	1.	.1	69.0
28	FEB	0515	18	0.	.0	68.0	28	FEB	1330	51	24.	.4	70.1	28	FEB	2145	84	1.	.1	69.0
28	FEB	0530	19	0.	.0	68.0	28	FEB	1345	52	22.	.4	70.0	28	FEB	2200	85	1.	.1	69.0
28	FEB	0545	20	0.	.0	68.0	28	FEB	1400	53	17.	.3	69.8	28	FEB	2215	86	1.	.1	6[illegible]
28	FEB	0600	21	0.	.0	68.0	28	FEB	1415	54	14.	.3	69.6	28	FEB	2230	87	1.	.1	6[illegible]
28	FEB	0615	22	0.	.0	68.0	28	FEB	1430	55	11.	.2	69.5	28	FEB	2245	88	1.	.1	69.[illegible]
28	FEB	0630	23	0.	.0	68.0	28	FEB	1445	56	9.	.2	69.3	28	FEB	2300	89	1.	.1	69.0
28	FEB	0645	24	0.	.0	68.0	28	FEB	1500	57	7.	.2	69.3	28	FEB	2315	90	1.	.1	69.0
28	FEB	0700	25	0.	.0	68.0	28	FEB	1515	58	6.	.2	69.2	28	FEB	2330	91	1.	.1	69.0

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28 FEB 0715  26      0.      .0    68.0 * 28 FEB 1530  59      5.      .2    69.2 * 28 FEB 2345  92      1.      .1    69.0
28 FEB 0730  27      0.      .0    68.0 * 28 FEB 1545  60      4.      .1    69.1 *  1 MAR 0000  93      1.      .1    69.0
28 FEB 0745  28      0.      .0    68.0 * 28 FEB 1600  61      4.      .1    69.1 *  1 MAR 0015  94      1.      .1    69.0
28 FEB 0800  29      0.      .0    68.0 * 28 FEB 1615  62      3.      .1    69.1 *  1 MAR 0030  95      1.      .1    69.0
 FEB 0815  30      0.      .0    68.0 * 28 FEB 1630  63      3.      .1    69.1 *  1 MAR 0045  96      1.      .1    69.0
 FEB 0830  31      0.      .0    68.1 * 28 FEB 1645  64      3.      .1    69.1 *  1 MAR 0100  97      1.      .1    69.0
28 FEB 0845  32      0.      .0    68.1 * 28 FEB 1700  65      3.      .1    69.1 *
28 FEB 0900  33      0.      .0    68.2 * 28 FEB 1715  66      3.      .1    69.1 *
                                        *                                          *
*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     24.     12.50                   7.          2.          2.          2.
                        (INCHES)    2.449       2.999       2.999       2.999
                         (AC-FT)      4.          4.          4.          4.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+ (AC-FT)      (HR)
       0.     12.50                   0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    70.09     12.50                 69.29       68.70       68.70       68.70

                        CUMULATIVE AREA =     .03 SQ MI


* *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


            **************
            *            *
346 KK      *     HB3A   *
            *            *
            **************

347 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

349 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .02  SUBBASIN AREA

                PRECIPITATION DATA

350 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .02

351 LS          SCS LOSS RATE
                      STRTL         .35  INITIAL ABSTRACTION
                     CRVNBR       85.00  CURVE NUMBER
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RTIMP .00 PERCENT IMPERVIOUS AREA

352 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .26 LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
7 END-OF-PERIOD ORDINATES

18. 21. 8. 3. 1. 0. 0.

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HYDROGRAPH AT STATION H83A

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.10	.20	.90	26.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.28	.04	.24	27.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.02	.16	16.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.02	.12	10.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.01	.07	7.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.01	.06	5.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.01	.06	4.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.01	.05	3.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.01	.05	3.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.00	.04	2.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.00	.04	2.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.00	.04	2.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.00	.04	2.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.00	.04	2.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.00	.04	2.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.03	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.03	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.00	.03	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.00	.03	2.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.01	1.
28 FEB 0900	33	.04	.03	.01	0.	*	28 FEB 2115	82	.02	.00	.01	1.
28 FEB 0915	34	.04	.03	.01	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.04	.03	.01	1.	*	28 FEB 2145	84	.01	.00	.01	1.
28 FEB 0945	36	.04	.03	.01	1.	*	28 FEB 2200	85	.01	.00	.01	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.01	.00	.01	1.
28 FEB 1015	38	.04	.03	.01	1.	*	28 FEB 2230	87	.01	.00	.01	1.
28 FEB 1030	39	.04	.03	.02	1.	*	28 FEB 2245	88	.01	.00	.01	1.
28 FEB 1045	40	.05	.03	.02	1.	*	28 FEB 2300	89	.01	.00	.01	1.
28 FEB 1100	41	.05	.03	.02	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.05	.03	.03	1.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.06	.03	.03	1.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.07	.03	.03	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.08	.04	.04	2.	*	1 MAR 0015	94	.01	.00	.01	1.

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28 FEB 1215   46    .13    .05    .07      3.     *     1 MAR 0030   95    .01    .00    .01      1.
28 FEB 1230   47    .16    .06    .10      4.     *     1 MAR 0045   96    .01    .00    .01      1.
28 FEB 1245   48    .23    .08    .15      6.     *     1 MAR 0100   97    .01    .00    .01      1.
28 FEB 1300   49    .49    .13    .36     11.     *
                                                  *
*****************************************************************************************************************

TOTAL RAINFALL =    5.20, TOTAL LOSS =    1.65, TOTAL EXCESS =    3.55

PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                   6-HR       24-HR       72-HR     24.00-HR
+  (CFS)      (HR)
                        (CFS)
+     27.     12.50                  6.          2.          2.          2.
                      (INCHES)    2.824       3.537       3.537       3.537
                       (AC-FT)      3.          4.          4.          4.

                       CUMULATIVE AREA =     .02 SQ MI


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          *            *
353 KK    *     HB3B   *
          *            *
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354 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

356 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .01  SUBBASIN AREA

              PRECIPITATION DATA

357 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .50    1.10    2.10   2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                STORM AREA =     .01

358 LS        SCS LOSS RATE
                    STRTL        .27  INITIAL ABSTRACTION
                   CRVNBR      88.00  CURVE NUMBER
                    RTIMP        .00  PERCENT IMPERVIOUS AREA

359 UD        SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .10  LAG

                                                        ***

   ING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                               5 END-OF-PERIOD ORDINATES
             19.       5.       1.       0.       0.
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HYDROGRAPH AT STATION HB3B

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.10	.14	.96	21.
28 FEB 0115	2	.01	.01	.00	0.	28 FEB 1330	51	.28	.03	.26	11.
28 FEB 0130	3	.01	.01	.00	0.	28 FEB 1345	52	.18	.01	.16	6.
28 FEB 0145	4	.01	.01	.00	0.	28 FEB 1400	53	.14	.01	.13	4.
28 FEB 0200	5	.01	.01	.00	0.	28 FEB 1415	54	.08	.01	.08	2.
28 FEB 0215	6	.01	.01	.00	0.	28 FEB 1430	55	.07	.01	.07	2.
28 FEB 0230	7	.01	.01	.00	0.	28 FEB 1445	56	.06	.00	.06	2.
28 FEB 0245	8	.01	.01	.00	0.	28 FEB 1500	57	.06	.00	.05	1.
28 FEB 0300	9	.01	.01	.00	0.	28 FEB 1515	58	.05	.00	.05	1.
28 FEB 0315	10	.01	.01	.00	0.	28 FEB 1530	59	.05	.00	.04	1.
28 FEB 0330	11	.01	.01	.00	0.	28 FEB 1545	60	.04	.00	.04	1.
28 FEB 0345	12	.01	.01	.00	0.	28 FEB 1600	61	.04	.00	.04	1.
28 FEB 0400	13	.01	.01	.00	0.	28 FEB 1615	62	.05	.00	.04	1.
28 FEB 0415	14	.01	.01	.00	0.	28 FEB 1630	63	.05	.00	.04	1.
28 FEB 0430	15	.01	.01	.00	0.	28 FEB 1645	64	.04	.00	.04	1.
28 FEB 0445	16	.01	.01	.00	0.	28 FEB 1700	65	.04	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.03	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.03	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.02	.00	.02	0.
28 FEB 0730	27	.03	.03	.00	0.	28 FEB 1945	76	.02	.00	.02	0.
28 FEB 0745	28	.03	.03	.01	0.	28 FEB 2000	77	.02	.00	.02	0.
28 FEB 0800	29	.03	.03	.01	0.	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.03	.03	.01	0.	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.03	.01	0.	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.03	.01	0.	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.03	.01	0.	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.02	.02	0.	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.02	.02	0.	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.02	.02	0.	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.02	.02	1.	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.02	.02	1.	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.02	.02	1.	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.02	.02	1.	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.02	.03	1.	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.02	.03	1.	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.02	.04	1.	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.03	.04	1.	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.03	.05	1.	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.04	.09	2.	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.05	.11	3.	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.06	.17	4.	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.10	.39	9.						

TOTAL RAINFALL = 5.20, TOTAL LOSS = 1.34, TOTAL EXCESS = 3.86

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)				

```
                    (CFS)
+     21.     12.25                  3.          1.          1.          1.
                  (INCHES)       3.030       3.850       3.850       3.850
                   (AC-FT)          2.          2.          2.          2.

                   CUMULATIVE AREA =     .01 SQ MI


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          *            *
363 KK    *    HB3BSP  *
          *            *
          **************

364 KO         OUTPUT CONTROL VARIABLES
                    IPRNT           1  PRINT CONTROL
                    IPLOT           0  PLOT CONTROL
                    QSCAL          0.  HYDROGRAPH PLOT SCALE
                            STORAGE ROUTING THROUGH HB3B DEPRESSION

             HYDROGRAPH ROUTING DATA

366 RS         STORAGE ROUTING
                    NSTPS           1  NUMBER OF SUBREACHES
                     ITYP        ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC       68.80  INITIAL CONDITION
                        X         .00 WORKING R AND D COEFFICIENT

 7 SA              AREA          .0        .7       1.9

368 SE         ELEVATION       68.80     69.20     69.50

369 SS         SPILLWAY
                     CREL       69.40  SPILLWAY CREST ELEVATION
                    SPWID       40.00  SPILLWAY WIDTH
                     COQW        3.00  WEIR COEFFICIENT
                     EXPW        1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .10       .48
        ELEVATION      68.80     69.20     69.50

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00       .00       .01       .02       .04       .08       .14       .22       .33
        ELEVATION      68.80     69.40     69.40     69.40     69.40     69.40     69.41     69.41     69.42     69.42

          OUTFLOW        .47       .65       .87      1.12      1.43      1.79      2.20      2.67      3.20      3.79
        ELEVATION      69.43     69.43     69.44     69.44     69.45     69.46     69.47     69.48     69.49     69.50


                                    COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00       .10       .31       .33       .35       .37       .39       .42       .46       .48
          OUTFLOW        .00       .00       .00       .14       .47       .87      1.43      2.20      3.20      3.79
        ELEVATION      68.80     69.20     69.40     69.41     69.43     69.44     69.45     69.47     69.49     69.50
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HYDROGRAPH AT STATION H83BSP

DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.0	68.8	28 FEB 0915	34	0.	.1	69.1	28 FEB 1730	67	3.	.5	69.5
28 FEB 0115	2	0.	.0	68.8	28 FEB 0930	35	0.	.1	69.2	28 FEB 1745	68	3.	.4	69.5
28 FEB 0130	3	0.	.0	68.8	28 FEB 0945	36	0.	.1	69.2	28 FEB 1800	69	3.	.4	69.5
28 FEB 0145	4	0.	.0	68.8	28 FEB 1000	37	0.	.1	69.2	28 FEB 1815	70	3.	.4	69.5
28 FEB 0200	5	0.	.0	68.8	28 FEB 1015	38	0.	.2	69.3	28 FEB 1830	71	3.	.4	69.5
28 FEB 0215	6	0.	.0	68.8	28 FEB 1030	39	0.	.2	69.3	28 FEB 1845	72	2.	.4	69.5
28 FEB 0230	7	0.	.0	68.8	28 FEB 1045	40	0.	.2	69.3	28 FEB 1900	73	2.	.4	69.5
28 FEB 0245	8	0.	.0	68.8	28 FEB 1100	41	0.	.3	69.3	28 FEB 1915	74	2.	.4	69.5
28 FEB 0300	9	0.	.0	68.8	28 FEB 1115	42	0.	.3	69.4	28 FEB 1930	75	2.	.4	69.5
28 FEB 0315	10	0.	.0	68.8	28 FEB 1130	43	0.	.3	69.4	28 FEB 1945	76	2.	.4	69.5
28 FEB 0330	11	0.	.0	68.8	28 FEB 1145	44	1.	.4	69.4	28 FEB 2000	77	2.	.4	69.5
28 FEB 0345	12	0.	.0	68.8	28 FEB 1200	45	2.	.4	69.5	28 FEB 2015	78	1.	.4	69.5
28 FEB 0400	13	0.	.0	68.8	28 FEB 1215	46	3.	.4	69.5	28 FEB 2030	79	1.	.4	69.5
28 FEB 0415	14	0.	.0	68.8	28 FEB 1230	47	4.	.5	69.5	28 FEB 2045	80	1.	.4	69.4
28 FEB 0430	15	0.	.0	68.8	28 FEB 1245	48	6.	.5	69.5	28 FEB 2100	81	1.	.4	69.4
28 FEB 0445	16	0.	.0	68.8	28 FEB 1300	49	10.	.7	69.6	28 FEB 2115	82	1.	.4	69.4
28 FEB 0500	17	0.	.0	68.8	28 FEB 1315	50	21.	1.0	69.8	28 FEB 2130	83	1.	.4	69.4
28 FEB 0515	18	0.	.0	68.8	28 FEB 1330	51	31.	1.4	70.0	28 FEB 2145	84	1.	.4	69.4
28 FEB 0530	19	0.	.0	68.8	28 FEB 1345	52	30.	1.4	70.0	28 FEB 2200	85	1.	.4	69.4
28 FEB 0545	20	0.	.0	68.8	28 FEB 1400	53	24.	1.2	69.9	28 FEB 2215	86	1.	.4	69.4
28 FEB 0600	21	0.	.0	68.8	28 FEB 1415	54	18.	1.0	69.8	28 FEB 2230	87	1.	.4	69.4
28 FEB 0615	22	0.	.0	68.8	28 FEB 1430	55	13.	.8	69.7	28 FEB 2245	88	1.	.4	69.4
28 FEB 0630	23	0.	.0	68.8	28 FEB 1445	56	10.	.7	69.6	28 FEB 2300	89	1.	.4	69.4
28 FEB 0645	24	0.	.0	68.8	28 FEB 1500	57	8.	.6	69.6	28 FEB 2315	90	1.	.4	69.4
28 FEB 0700	25	0.	.0	68.8	28 FEB 1515	58	6.	.6	69.5	28 FEB 2330	91	1.	.4	6[illegible]
28 FEB 0715	26	0.	.0	68.8	28 FEB 1530	59	5.	.5	69.5	28 FEB 2345	92	1.	.4	6[illegible]
28 FEB 0730	27	0.	.0	68.8	28 FEB 1545	60	4.	.5	69.5	1 MAR 0000	93	1.	.4	69.[illegible]
28 FEB 0745	28	0.	.0	68.8	28 FEB 1600	61	4.	.5	69.5	1 MAR 0015	94	1.	.4	69.4
28 FEB 0800	29	0.	.0	68.9	28 FEB 1615	62	3.	.5	69.5	1 MAR 0030	95	1.	.4	69.4
28 FEB 0815	30	0.	.0	68.9	28 FEB 1630	63	3.	.5	69.5	1 MAR 0045	96	1.	.4	69.4
28 FEB 0830	31	0.	.0	68.9	28 FEB 1645	64	3.	.5	69.5	1 MAR 0100	97	1.	.4	69.4
28 FEB 0845	32	0.	.0	69.0	28 FEB 1700	65	3.	.5	69.5					
28 FEB 0900	33	0.	.1	69.0	28 FEB 1715	66	3.	.5	69.5					

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 31.	12.50		9.	3.	3.	3.
		(INCHES)	2.871	3.410	3.410	3.410
		(AC-FT)	5.	5.	5.	5.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	12.50	1.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
69.99	12.50	69.60	69.26	69.26	69.26

CUMULATIVE AREA = .03 SQ MI

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          *            *
370 KK    *     HB3C   *
          *            *
          **************

371 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

373 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .01  SUBBASIN AREA

                PRECIPITATION DATA

374 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                STORM AREA =     .01

375 LS          SCS LOSS RATE
                      STRTL        .63  INITIAL ABSTRACTION
                     CRVNBR      76.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

376 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .28  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              8 END-OF-PERIOD ORDINATES
                8.      11.       4.       2.       1.       0.       0.       0.

*************************************************************************************************************************************

                                              HYDROGRAPH AT STATION     HB3C

*************************************************************************************************************************************
                                                          *
     DA MON HRMN  ORD    RAIN    LOSS  EXCESS    COMP Q   *    DA MON HRMN  ORD    RAIN    LOSS  EXCESS    COMP Q
                                                          *
     28 FEB 0100    1     .00     .00     .00        0.   *    28 FEB 1315   50    1.10     .39     .71        9.
     28 FEB 0115    2     .01     .01     .00        0.   *    28 FEB 1330   51     .28     .08     .20       11.
     28 FEB 0130    3     .01     .01     .00        0.   *    28 FEB 1345   52     .18     .05     .13        7.
     28 FEB 0145    4     .01     .01     .00        0.   *    28 FEB 1400   53     .14     .03     .11        4.
     28 FEB 0200    5     .01     .01     .00        0.   *    28 FEB 1415   54     .08     .02     .06        3.
     28 FEB 0215    6     .01     .01     .00        0.   *    28 FEB 1430   55     .07     .02     .06        2.
     28 FEB 0230    7     .01     .01     .00        0.   *    28 FEB 1445   56     .06     .01     .05        2.
     28 FEB 0245    8     .01     .01     .00        0.   *    28 FEB 1500   57     .06     .01     .04        1.
     28 FEB 0300    9     .01     .01     .00        0.   *    28 FEB 1515   58     .05     .01     .04        1.
     28 FEB 0315   10     .01     .01     .00        0.   *    28 FEB 1530   59     .05     .01     .04        1.
     28 FEB 0330   11     .01     .01     .00        0.   *    28 FEB 1545   60     .04     .01     .03        1.
     28 FEB 0345   12     .01     .01     .00        0.   *    28 FEB 1600   61     .04     .01     .03        1.
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28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.01	.04	1.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.01	.03	1.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.01	.03	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.03	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.01	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.01	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	0.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.01	0.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.01	0.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.01	0.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.01	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.01	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.04	.00	0.	*	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.04	.00	0.	*	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.04	.00	0.	*	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.04	.00	0.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.04	.01	0.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.04	.01	0.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.04	.01	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.04	.01	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.05	.01	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.05	.02	0.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.06	.02	0.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.09	.04	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.10	.06	1.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.13	.10	2.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.24	.25	3.	*						
						*						

****

TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.50, TOTAL EXCESS = 2.70

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 11.	12.50		2.	1.	1.	1.
		(INCHES)	2.201	2.686	2.686	2.686
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .01 SQ MI

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          **************
          *            *
380 KK    *   CRMLGN   *
          *            *
          **************

381 KO        OUTPUT CONTROL VARIABLES
                   IPRNT          1  PRINT CONTROL
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                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH CHROMIUM LAGOONS

          HYDROGRAPH ROUTING DATA

383 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      60.00  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

384 SA          AREA          .3        .4        .7       1.2

385 SE        ELEVATION      59.00     60.20     62.00     63.00

386 SS        SPILLWAY
                 CREL      62.90  SPILLWAY CREST ELEVATION
                SPWID      40.00  SPILLWAY WIDTH
                 COQW       3.00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .43      1.46      2.43
      ELEVATION     59.00     60.20     62.00     63.00

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00       .00       .01       .02       .04       .08       .14       .22       .33
      ELEVATION     59.00     62.90     62.90     62.90     62.90     62.90     62.91     62.91     62.92     62.92

        OUTFLOW       .47       .65       .87      1.12      1.43      1.79      2.20      2.67      3.20      3.79
      ELEVATION     62.93     62.93     62.94     62.94     62.95     62.96     62.97     62.98     62.99     63.00

                                  COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .43      1.46      2.31      2.32      2.34      2.35      2.37      2.39      2.41
        OUTFLOW       .00       .00       .00       .00       .14       .47       .87      1.43      2.20      3.20
      ELEVATION     59.00     60.20     62.00     62.90     62.91     62.93     62.94     62.95     62.97     62.99

        STORAGE      2.43
        OUTFLOW      3.79
      ELEVATION     63.00

*****************************************************************************************************************************

                                  HYDROGRAPH AT STATION   CRMLGN

*****************************************************************************************************************************
                                                                                                                                
                                                                                                                                
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                                                                                                                
28 FEB 0100   1      0.       .3    60.0 * 28 FEB 0915  34      0.       .3    60.0 * 28 FEB 1730  67      4.      2.4    63.0
28 FEB 0115   2      0.       .3    60.0 * 28 FEB 0930  35      0.       .3    60.0 * 28 FEB 1745  68      4.      2.4    63.0
28 FEB 0130   3      0.       .3    60.0 * 28 FEB 0945  36      0.       .3    60.0 * 28 FEB 1800  69      4.      2.4    63.0
28 FEB 0145   4      0.       .3    60.0 * 28 FEB 1000  37      0.       .4    60.0 * 28 FEB 1815  70      4.      2.4    63.0
   FEB 0200   5      0.       .3    60.0 * 28 FEB 1015  38      0.       .4    60.0 * 28 FEB 1830  71      3.      2.4    63.0
   FEB 0215   6      0.       .3    60.0 * 28 FEB 1030  39      0.       .4    60.0 * 28 FEB 1845  72      3.      2.4    63.0
28 FEB 0230   7      0.       .3    60.0 * 28 FEB 1045  40      0.       .4    60.0 * 28 FEB 1900  73      3.      2.4    63.0
28 FEB 0245   8      0.       .3    60.0 * 28 FEB 1100  41      0.       .4    60.0 * 28 FEB 1915  74      3.      2.4    63.0
28 FEB 0300   9      0.       .3    60.0 * 28 FEB 1115  42      0.       .4    60.0 * 28 FEB 1930  75      3.      2.4    63.0
28 FEB 0315  10      0.       .3    60.0 * 28 FEB 1130  43      0.       .4    60.0 * 28 FEB 1945  76      3.      2.4    63.0
```

28 FEB 0330	11	0.	.3	60.0	*	28 FEB 1145	44	0.	.4	60.1	*	28 FEB 2000	77	2.	2.4	63.0
28 FEB 0345	12	0.	.3	60.0	*	28 FEB 1200	45	0.	.4	60.2	*	28 FEB 2015	78	2.	2.4	63.0
28 FEB 0400	13	0.	.3	60.0	*	28 FEB 1215	46	0.	.5	60.3	*	28 FEB 2030	79	2.	2.4	63.0
28 FEB 0415	14	0.	.3	60.0	*	28 FEB 1230	47	0.	.6	60.4	*	28 FEB 2045	80	2.	2.4	6[illegible]
28 FEB 0430	15	0.	.3	60.0	*	28 FEB 1245	48	0.	.7	60.7	*	28 FEB 2100	81	2.	2.4	6
28 FEB 0445	16	0.	.3	60.0	*	28 FEB 1300	49	0.	.9	61.0	*	28 FEB 2115	82	2.	2.4	63
28 FEB 0500	17	0.	.3	60.0	*	28 FEB 1315	50	0.	1.4	61.8	*	28 FEB 2130	83	2.	2.4	63.0
28 FEB 0515	18	0.	.3	60.0	*	28 FEB 1330	51	0.	2.1	62.7	*	28 FEB 2145	84	2.	2.4	63.0
28 FEB 0530	19	0.	.3	60.0	*	28 FEB 1345	52	18.	2.7	63.2	*	28 FEB 2200	85	1.	2.4	63.0
28 FEB 0545	20	0.	.3	60.0	*	28 FEB 1400	53	27.	2.9	63.4	*	28 FEB 2215	86	1.	2.4	63.0
28 FEB 0600	21	0.	.3	60.0	*	28 FEB 1415	54	26.	2.9	63.4	*	28 FEB 2230	87	1.	2.4	63.0
28 FEB 0615	22	0.	.3	60.0	*	28 FEB 1430	55	21.	2.8	63.3	*	28 FEB 2245	88	1.	2.4	63.0
28 FEB 0630	23	0.	.3	60.0	*	28 FEB 1445	56	16.	2.7	63.2	*	28 FEB 2300	89	1.	2.4	63.0
28 FEB 0645	24	0.	.3	60.0	*	28 FEB 1500	57	12.	2.6	63.2	*	28 FEB 2315	90	1.	2.4	62.9
28 FEB 0700	25	0.	.3	60.0	*	28 FEB 1515	58	10.	2.6	63.1	*	28 FEB 2330	91	1.	2.4	62.9
28 FEB 0715	26	0.	.3	60.0	*	28 FEB 1530	59	8.	2.5	63.1	*	28 FEB 2345	92	1.	2.4	62.9
28 FEB 0730	27	0.	.3	60.0	*	28 FEB 1545	60	6.	2.5	63.0	*	1 MAR 0000	93	1.	2.4	62.9
28 FEB 0745	28	0.	.3	60.0	*	28 FEB 1600	61	5.	2.5	63.0	*	1 MAR 0015	94	1.	2.4	62.9
28 FEB 0800	29	0.	.3	60.0	*	28 FEB 1615	62	5.	2.4	63.0	*	1 MAR 0030	95	1.	2.4	62.9
28 FEB 0815	30	0.	.3	60.0	*	28 FEB 1630	63	5.	2.4	63.0	*	1 MAR 0045	96	1.	2.4	62.9
28 FEB 0830	31	0.	.3	60.0	*	28 FEB 1645	64	4.	2.4	63.0	*	1 MAR 0100	97	1.	2.4	62.9
28 FEB 0845	32	0.	.3	60.0	*	28 FEB 1700	65	4.	2.4	63.0	*					
28 FEB 0900	33	0.	.3	60.0	*	28 FEB 1715	66	4.	2.4	63.0	*					
					*						*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 27.	13.00		8.	2.	2.	2.
		(INCHES)	1.949	2.286	2.286	2.286
		(AC-FT)	4.	5.	5.	5.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
3.	13.00	3.	1.	1.	1.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
63.43	13.00	63.08	61.50	61.50	61.50

CUMULATIVE AREA = .04 SQ MI

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          **************
          *            *
387 KK    *     HB4A   *
          *            *
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388 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

SCS RUNOFF CALCULATION

SUBBASIN RUNOFF DATA

390 BA SUBBASIN CHARACTERISTICS

TAREA .02 SUBBASIN AREA

PRECIPITATION DATA

1 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
.50	1.10	2.10	2.70	3.00	3.60	4.50	5.20	.00	.00	.00	.00

STORM AREA = .02

392 LS SCS LOSS RATE

STRTL .38 INITIAL ABSTRACTION

CRVNBR 84.00 CURVE NUMBER

RTIMP .00 PERCENT IMPERVIOUS AREA

393 UD SCS DIMENSIONLESS UNITGRAPH

TLAG .25 LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH

7 END-OF-PERIOD ORDINATES

22. 24. 8. 3. 1. 0. 0.

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HYDROGRAPH AT STATION HB4A

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.10	.22	.88	30.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.28	.04	.24	30.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.02	.15	18.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.02	.12	11.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.01	.07	8.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.01	.06	5.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.01	.06	4.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.01	.05	3.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.01	.05	3.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.01	.04	3.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.00	.04	3.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.00	.04	2.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.00	.04	2.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.00	.04	2.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.00	.04	2.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.03	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.03	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.00	.03	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.00	.03	2.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.

28 FEB 0830	31	.04	.03	.00	0.	*	28 FEB 2045	80	.02	.00	.01	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.01	1.
28 FEB 0900	33	.04	.03	.01	0.	*	28 FEB 2115	82	.02	.00	.01	1.
28 FEB 0915	34	.04	.03	.01	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.04	.03	.01	1.	*	28 FEB 2145	84	.01	.00	.01	1.
28 FEB 0945	36	.04	.03	.01	1.	*	28 FEB 2200	85	.01	.00	.01	1.
28 FEB 1000	37	.05	.03	.01	1.	*	28 FEB 2215	86	.01	.00	.01	1.
28 FEB 1015	38	.04	.03	.01	1.	*	28 FEB 2230	87	.01	.00	.01	1.
28 FEB 1030	39	.04	.03	.02	1.	*	28 FEB 2245	88	.01	.00	.01	1.
28 FEB 1045	40	.05	.03	.02	1.	*	28 FEB 2300	89	.01	.00	.01	1.
28 FEB 1100	41	.05	.03	.02	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.05	.03	.02	1.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.06	.03	.03	1.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.07	.03	.03	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.08	.04	.04	2.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.06	.07	3.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.06	.09	4.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.23	.08	.15	6.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.49	.14	.35	12.	*						
						*						

****

TOTAL RAINFALL = 5.20, TOTAL LOSS = 1.75, TOTAL EXCESS = 3.45

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 30.	12.50		7.	2.	2.	2.
		(INCHES)	2.756	3.438	3.438	3.438
		(AC-FT)	3.	4.	4.	4.

CUMULATIVE AREA = .02 SQ MI

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          **************
          *            *
397 KK    *   SHD10C   *
          *            *
          **************

398 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            STORAGE ROUTING THROUGH ATLANTIC AVENUE CHANNEL at RR TRACKS

            HYDROGRAPH ROUTING DATA

400 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       STOR  TYPE OF INITIAL CONDITION
                   RSVRIC        .00  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

401 RC        NORMAL DEPTH CHANNEL ROUTING
                      ANL       .080  LEFT OVERBANK N-VALUE
                     ANCH       .030  MAIN CHANNEL N-VALUE
                      ANR       .080  RIGHT OVERBANK N-VALUE
                    RLNTH       800.  REACH LENGTH
                      SEL      .0070  ENERGY SLOPE
```

ELMAX 63.0 MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

		--- LEFT OVERBANK ---			+ ------ MAIN CHANNEL			------- + --- RIGHT OVERBANK ---	
3 RY	ELEVATION	63.00	62.50	62.00	54.20	54.20	62.00	62.50	63.00
2 RX	DISTANCE	.00	10.00	20.00	28.00	42.00	50.00	60.00	70.00

***

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.12	.25	.39	.54	.70	.86	1.03	1.21	1.40
OUTFLOW	.00	16.05	50.89	100.12	162.22	236.42	322.34	419.79	528.71	649.14
ELEVATION	54.20	54.66	55.13	55.59	56.05	56.52	56.98	57.44	57.91	58.37
STORAGE	1.59	1.80	2.01	2.23	2.46	2.70	2.94	3.19	3.55	4.07
OUTFLOW	781.14	924.85	1080.41	1247.98	1427.76	1619.93	1824.69	2050.08	2334.15	2644.58
ELEVATION	58.83	59.29	59.76	60.22	60.68	61.15	61.61	62.07	62.54	63.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 2645.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

****

HYDROGRAPH AT STATION SHD10C

****

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
	FEB	0100	1	0.	.0	54.2	28	FEB	0915	34	0.	.0	54.2	28	FEB	1730	67	9.	.1	54.5
	FEB	0115	2	0.	.0	54.2	28	FEB	0930	35	1.	.0	54.2	28	FEB	1745	68	8.	.1	54.4
28	FEB	0130	3	0.	.0	54.2	28	FEB	0945	36	1.	.0	54.2	28	FEB	1800	69	8.	.1	54.4
28	FEB	0145	4	0.	.0	54.2	28	FEB	1000	37	1.	.0	54.2	28	FEB	1815	70	8.	.1	54.4
28	FEB	0200	5	0.	.0	54.2	28	FEB	1015	38	1.	.0	54.2	28	FEB	1830	71	8.	.1	54.4
28	FEB	0215	6	0.	.0	54.2	28	FEB	1030	39	1.	.0	54.2	28	FEB	1845	72	7.	.1	54.4
28	FEB	0230	7	0.	.0	54.2	28	FEB	1045	40	1.	.0	54.2	28	FEB	1900	73	7.	.1	54.4
28	FEB	0245	8	0.	.0	54.2	28	FEB	1100	41	1.	.0	54.2	28	FEB	1915	74	7.	.1	54.4
28	FEB	0300	9	0.	.0	54.2	28	FEB	1115	42	2.	.0	54.3	28	FEB	1930	75	6.	.0	54.4
28	FEB	0315	10	0.	.0	54.2	28	FEB	1130	43	2.	.0	54.3	28	FEB	1945	76	5.	.0	54.4
28	FEB	0330	11	0.	.0	54.2	28	FEB	1145	44	3.	.0	54.3	28	FEB	2000	77	5.	.0	54.3
28	FEB	0345	12	0.	.0	54.2	28	FEB	1200	45	3.	.0	54.3	28	FEB	2015	78	4.	.0	54.3
28	FEB	0400	13	0.	.0	54.2	28	FEB	1215	46	4.	.0	54.3	28	FEB	2030	79	4.	.0	54.3
28	FEB	0415	14	0.	.0	54.2	28	FEB	1230	47	6.	.0	54.4	28	FEB	2045	80	4.	.0	54.3
28	FEB	0430	15	0.	.0	54.2	28	FEB	1245	48	9.	.1	54.5	28	FEB	2100	81	4.	.0	54.3
28	FEB	0445	16	0.	.0	54.2	28	FEB	1300	49	16.	.1	54.7	28	FEB	2115	82	4.	.0	54.3
28	FEB	0500	17	0.	.0	54.2	28	FEB	1315	50	41.	.2	55.0	28	FEB	2130	83	4.	.0	54.3
28	FEB	0515	18	0.	.0	54.2	28	FEB	1330	51	55.	.3	55.2	28	FEB	2145	84	3.	.0	54.3
28	FEB	0530	19	0.	.0	54.2	28	FEB	1345	52	56.	.3	55.2	28	FEB	2200	85	3.	.0	54.3
28	FEB	0545	20	0.	.0	54.2	28	FEB	1400	53	57.	.3	55.2	28	FEB	2215	86	3.	.0	54.3
28	FEB	0600	21	0.	.0	54.2	28	FEB	1415	54	49.	.2	55.1	28	FEB	2230	87	3.	.0	54.3
28	FEB	0615	22	0.	.0	54.2	28	FEB	1430	55	39.	.2	55.0	28	FEB	2245	88	3.	.0	54.3
28	FEB	0630	23	0.	.0	54.2	28	FEB	1445	56	30.	.2	54.9	28	FEB	2300	89	3.	.0	54.3
28	FEB	0645	24	0.	.0	54.2	28	FEB	1500	57	24.	.2	54.8	28	FEB	2315	90	3.	.0	54.3
28	FEB	0700	25	0.	.0	54.2	28	FEB	1515	58	19.	.1	54.7	28	FEB	2330	91	3.	.0	54.3
28	FEB	0715	26	0.	.0	54.2	28	FEB	1530	59	16.	.1	54.7	28	FEB	2345	92	3.	.0	54.3
28	FEB	0730	27	0.	.0	54.2	28	FEB	1545	60	14.	.1	54.6	1	MAR	0000	93	3.	.0	54.3
28	FEB	0745	28	0.	.0	54.2	28	FEB	1600	61	12.	.1	54.5	1	MAR	0015	94	3.	.0	54.3
	FEB	0800	29	0.	.0	54.2	28	FEB	1615	62	11.	.1	54.5	1	MAR	0030	95	3.	.0	54.3
	FEB	0815	30	0.	.0	54.2	28	FEB	1630	63	10.	.1	54.5	1	MAR	0045	96	3.	.0	54.3
28	FEB	0830	31	0.	.0	54.2	28	FEB	1645	64	10.	.1	54.5	1	MAR	0100	97	3.	.0	54.3
28	FEB	0845	32	0.	.0	54.2	28	FEB	1700	65	10.	.1	54.5							
28	FEB	0900	33	0.	.0	54.2	28	FEB	1715	66	9.	.1	54.5							

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                      6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     57.     13.00                   22.          7.          7.           7.
                        (INCHES)    2.241       2.793       2.793        2.793
                         (AC-FT)      11.         14.         14.          14.

 PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                      6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       0.     13.00                    0.          0.          0.           0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                      6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    55.18     13.00                  54.68       54.36       54.36        54.36

                        CUMULATIVE AREA =     .09 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


           **************
           *            *
 404 KK    *     HB4B   *
           *            *
           **************

 405 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 407 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .07  SUBBASIN AREA

                 PRECIPITATION DATA

 408 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                   STORM AREA =     .07

 409 LS          SCS LOSS RATE
                       STRTL         .15  INITIAL ABSTRACTION
                      CRVNBR       93.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 410 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .32  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG
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UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES

43. 71. 34. 14. 5. 2. 1. 0.

HYDROGRAPH AT STATION HB4B

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.10	.06	1.04	86.
28 FEB 0115	2	.01	.01	.00	0.	28 FEB 1330	51	.28	.01	.27	104.
28 FEB 0130	3	.01	.01	.00	0.	28 FEB 1345	52	.18	.01	.17	70.
28 FEB 0145	4	.01	.01	.00	0.	28 FEB 1400	53	.14	.00	.14	45.
28 FEB 0200	5	.01	.01	.00	0.	28 FEB 1415	54	.08	.00	.08	30.
28 FEB 0215	6	.01	.01	.00	0.	28 FEB 1430	55	.07	.00	.07	20.
28 FEB 0230	7	.01	.01	.00	0.	28 FEB 1445	56	.06	.00	.06	15.
28 FEB 0245	8	.01	.01	.00	0.	28 FEB 1500	57	.06	.00	.06	12.
28 FEB 0300	9	.01	.01	.00	0.	28 FEB 1515	58	.05	.00	.05	10.
28 FEB 0315	10	.01	.01	.00	0.	28 FEB 1530	59	.05	.00	.05	9.
28 FEB 0330	11	.01	.01	.00	0.	28 FEB 1545	60	.04	.00	.04	8.
28 FEB 0345	12	.01	.01	.00	0.	28 FEB 1600	61	.04	.00	.04	8.
28 FEB 0400	13	.01	.01	.00	0.	28 FEB 1615	62	.05	.00	.05	7.
28 FEB 0415	14	.01	.01	.00	0.	28 FEB 1630	63	.05	.00	.04	8.
28 FEB 0430	15	.01	.01	.00	0.	28 FEB 1645	64	.04	.00	.04	7.
28 FEB 0445	16	.01	.01	.00	0.	28 FEB 1700	65	.04	.00	.04	7.
28 FEB 0500	17	.02	.01	.00	0.	28 FEB 1715	66	.04	.00	.04	7.
28 FEB 0515	18	.02	.01	.00	0.	28 FEB 1730	67	.04	.00	.04	7.
28 FEB 0530	19	.02	.01	.00	0.	28 FEB 1745	68	.04	.00	.04	6.
28 FEB 0545	20	.02	.01	.00	0.	28 FEB 1800	69	.04	.00	.03	6.
28 FEB 0600	21	.02	.01	.00	1.	28 FEB 1815	70	.03	.00	.03	6.
28 FEB 0615	22	.02	.01	.00	1.	28 FEB 1830	71	.03	.00	.03	6.
28 FEB 0630	23	.02	.01	.01	1.	28 FEB 1845	72	.03	.00	.03	6.
28 FEB 0645	24	.02	.01	.01	1.	28 FEB 1900	73	.03	.00	.03	5.
28 FEB 0700	25	.02	.01	.01	1.	28 FEB 1915	74	.02	.00	.02	5.
28 FEB 0715	26	.03	.02	.01	1.	28 FEB 1930	75	.02	.00	.02	4.
28 FEB 0730	27	.03	.02	.01	2.	28 FEB 1945	76	.02	.00	.02	3.
28 FEB 0745	28	.03	.02	.01	2.	28 FEB 2000	77	.02	.00	.02	3.
28 FEB 0800	29	.03	.02	.02	2.	28 FEB 2015	78	.02	.00	.02	3.
28 FEB 0815	30	.03	.02	.02	3.	28 FEB 2030	79	.02	.00	.02	3.
28 FEB 0830	31	.04	.02	.02	3.	28 FEB 2045	80	.02	.00	.02	3.
28 FEB 0845	32	.04	.02	.02	3.	28 FEB 2100	81	.02	.00	.02	3.
28 FEB 0900	33	.04	.02	.02	4.	28 FEB 2115	82	.02	.00	.02	3.
28 FEB 0915	34	.04	.01	.03	4.	28 FEB 2130	83	.02	.00	.01	3.
28 FEB 0930	35	.04	.01	.03	4.	28 FEB 2145	84	.01	.00	.01	3.
28 FEB 0945	36	.04	.01	.03	5.	28 FEB 2200	85	.01	.00	.01	2.
28 FEB 1000	37	.05	.01	.03	5.	28 FEB 2215	86	.01	.00	.01	2.
28 FEB 1015	38	.04	.01	.03	5.	28 FEB 2230	87	.01	.00	.01	2.
28 FEB 1030	39	.04	.01	.03	5.	28 FEB 2245	88	.01	.00	.01	2.
28 FEB 1045	40	.05	.01	.03	5.	28 FEB 2300	89	.01	.00	.01	2.
28 FEB 1100	41	.05	.01	.04	6.	28 FEB 2315	90	.01	.00	.01	2.
28 FEB 1115	42	.05	.01	.04	6.	28 FEB 2330	91	.01	.00	.01	2.
28 FEB 1130	43	.06	.01	.05	7.	28 FEB 2345	92	.01	.00	.01	2.
28 FEB 1145	44	.07	.01	.05	8.	1 MAR 0000	93	.01	.00	.01	2.
28 FEB 1200	45	.08	.01	.06	9.	1 MAR 0015	94	.01	.00	.01	2.
28 FEB 1215	46	.13	.02	.11	12.	1 MAR 0030	95	.01	.00	.01	2.
28 FEB 1230	47	.16	.02	.13	17.	1 MAR 0045	96	.01	.00	.01	2.
28 FEB 1245	48	.23	.03	.20	23.	1 MAR 0100	97	.01	.00	.01	2.
28 FEB 1300	49	.49	.04	.45	40.						

TOTAL RAINFALL = 5.20, TOTAL LOSS = .81, TOTAL EXCESS = 4.39

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                      6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+    104.     12.50                   24.          8.          8.           8.
                        (INCHES)    3.342       4.373       4.373        4.373
                         (AC-FT)      12.         15.         15.          15.

                         CUMULATIVE AREA =     .07 SQ MI


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           **************
           *            *
 411 KK    *   4DCHAB   *
           *            *
           **************

 412 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON

   6 IN          TIME DATA FOR INPUT TIME SERIES
                       JXMIN          15  TIME INTERVAL IN MINUTES
                      JXDATE     28FEB91  STARTING DATE
                      JXTIME         100  STARTING TIME

              SUBBASIN RUNOFF DATA

 414 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .26  SUBBASIN AREA

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                                                  HYDROGRAPH AT STATION   4DCHAB

*****************************************************************************************************************************
                                  *                                  *                                  *
  DA MON HRMN  ORD      FLOW      *  DA MON HRMN  ORD      FLOW      *  DA MON HRMN  ORD      FLOW      *  DA MON HRMN  ORD      FLOW
                                  *                                  *                                  *
  28 FEB 0100    1        0.      *  28 FEB 0715   26        0.      *  28 FEB 1330   51       85.      *  28 FEB 1945   76       18.
  28 FEB 0115    2        0.      *  28 FEB 0730   27        0.      *  28 FEB 1345   52       63.      *  28 FEB 2000   77       18.
  28 FEB 0130    3        0.      *  28 FEB 0745   28        0.      *  28 FEB 1400   53       43.      *  28 FEB 2015   78       17.
  28 FEB 0145    4        0.      *  28 FEB 0800   29        0.      *  28 FEB 1415   54       32.      *  28 FEB 2030   79       17.
  28 FEB 0200    5        0.      *  28 FEB 0815   30        0.      *  28 FEB 1430   55       25.      *  28 FEB 2045   80       17.
  28 FEB 0215    6        0.      *  28 FEB 0830   31        0.      *  28 FEB 1445   56       21.      *  28 FEB 2100   81       17.
  28 FEB 0230    7        0.      *  28 FEB 0845   32        0.      *  28 FEB 1500   57       19.      *  28 FEB 2115   82       17.
  28 FEB 0245    8        0.      *  28 FEB 0900   33        0.      *  28 FEB 1515   58       18.      *  28 FEB 2130   83       17.
  28 FEB 0300    9        0.      *  28 FEB 0915   34        0.      *  28 FEB 1530   59       17.      *  28 FEB 2145   84       17.
  28 FEB 0315   10        0.      *  28 FEB 0930   35        0.      *  28 FEB 1545   60       17.      *  28 FEB 2200   85       17.
  28 FEB 0330   11        0.      *  28 FEB 0945   36        0.      *  28 FEB 1600   61       17.      *  28 FEB 2215   86       17.
  28 FEB 0345   12        0.      *  28 FEB 1000   37        0.      *  28 FEB 1615   62       17.      *  28 FEB 2230   87       17.
  28 FEB 0400   13        0.      *  28 FEB 1015   38        1.      *  28 FEB 1630   63       18.      *  28 FEB 2245   88       17
  28 FEB 0415   14        0.      *  28 FEB 1030   39        1.      *  28 FEB 1645   64       18.      *  28 FEB 2300   89       17.
  28 FEB 0430   15        0.      *  28 FEB 1045   40        1.      *  28 FEB 1700   65       18.      *  28 FEB 2315   90       16.
  28 FEB 0445   16        0.      *  28 FEB 1100   41        1.      *  28 FEB 1715   66       18.      *  28 FEB 2330   91       16.
  28 FEB 0500   17        0.      *  28 FEB 1115   42        2.      *  28 FEB 1730   67       19.      *  28 FEB 2345   92       16.
  28 FEB 0515   18        0.      *  28 FEB 1130   43        2.      *  28 FEB 1745   68       19.      *   1 MAR 0000   93       16.
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28 FEB 0530   19      0.   *  28 FEB 1145   44      3.   *  28 FEB 1800   69     19.   *  1 MAR 0015   94     16.
28 FEB 0545   20      0.   *  28 FEB 1200   45      3.   *  28 FEB 1815   70     19.   *  1 MAR 0030   95     16.
28 FEB 0600   21      0.   *  28 FEB 1215   46      5.   *  28 FEB 1830   71     19.   *  1 MAR 0045   96     15.
28 FEB 0615   22      0.   *  28 FEB 1230   47      7.   *  28 FEB 1845   72     19.   *  1 MAR 0100   97     15.
28 FEB 0630   23      0.   *  28 FEB 1245   48     12.   *  28 FEB 1900   73     19.   *
28 FEB 0645   24      0.   *  28 FEB 1300   49     24.   *  28 FEB 1915   74     19.   *
28 FEB 0700   25      0.   *  28 FEB 1315   50     62.   *  28 FEB 1930   75     18.   *
                           *                             *                             *
*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     85.     12.50                 27.         11.         11.         11.
                       (INCHES)    .963       1.643       1.643       1.643
                        (AC-FT)     13.         23.         23.         23.

                        CUMULATIVE AREA =     .26 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
425 KK    *    HB1AN   *
          *            *
          **************

  › KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

428 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .01  SUBBASIN AREA

              PRECIPITATION DATA

429 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .50    1.10    2.10   2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                STORM AREA =     .01

430 LS        SCS LOSS RATE
                    STRTL        .47  INITIAL ABSTRACTION
                   CRVNBR      81.00  CURVE NUMBER
                    RTIMP        .00  PERCENT IMPERVIOUS AREA

431 UD        SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .28  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              8 END-OF-PERIOD ORDINATES
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7. 9. 3. 1. 0. 0. 0. 0.

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HYDROGRAPH AT STATION HB1AN

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.10	.28	.82	9.
28 FEB 0115	2	.01	.01	.00	0.	28 FEB 1330	51	.28	.05	.23	10.
28 FEB 0130	3	.01	.01	.00	0.	28 FEB 1345	52	.18	.03	.15	6.
28 FEB 0145	4	.01	.01	.00	0.	28 FEB 1400	53	.14	.02	.12	4.
28 FEB 0200	5	.01	.01	.00	0.	28 FEB 1415	54	.08	.01	.07	3.
28 FEB 0215	6	.01	.01	.00	0.	28 FEB 1430	55	.07	.01	.06	2.
28 FEB 0230	7	.01	.01	.00	0.	28 FEB 1445	56	.06	.01	.05	1.
28 FEB 0245	8	.01	.01	.00	0.	28 FEB 1500	57	.06	.01	.05	1.
28 FEB 0300	9	.01	.01	.00	0.	28 FEB 1515	58	.05	.01	.04	1.
28 FEB 0315	10	.01	.01	.00	0.	28 FEB 1530	59	.05	.01	.04	1.
28 FEB 0330	11	.01	.01	.00	0.	28 FEB 1545	60	.04	.01	.04	1.
28 FEB 0345	12	.01	.01	.00	0.	28 FEB 1600	61	.04	.01	.04	1.
28 FEB 0400	13	.01	.01	.00	0.	28 FEB 1615	62	.05	.01	.04	1.
28 FEB 0415	14	.01	.01	.00	0.	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.01	.01	.00	0.	28 FEB 1645	64	.04	.01	.04	1.
28 FEB 0445	16	.01	.01	.00	0.	28 FEB 1700	65	.04	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.01	.03	1.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.03	1.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.03	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.03	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	28 FEB 1915	74	.02	.00	.02	0.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.02	.00	.02	0.
28 FEB 0730	27	.03	.03	.00	0.	28 FEB 1945	76	.02	.00	.02	0.
28 FEB 0745	28	.03	.03	.00	0.	28 FEB 2000	77	.02	.00	.02	0.
28 FEB 0800	29	.03	.03	.00	0.	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.03	.03	.00	0.	28 FEB 2030	79	.02	.00	.01	0.
28 FEB 0830	31	.04	.03	.00	0.	28 FEB 2045	80	.02	.00	.01	0.
28 FEB 0845	32	.04	.03	.00	0.	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.03	.00	0.	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.03	.01	0.	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.04	.01	0.	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.04	.01	0.	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.04	.01	0.	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.03	.01	0.	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.03	.01	0.	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.03	.01	0.	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.03	.02	0.	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.04	.02	0.	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.04	.02	0.	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.04	.03	0.	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.05	.03	1.	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.07	.06	1.	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.08	.08	1.	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.10	.13	2.	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.18	.31	3.						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.04, TOTAL EXCESS = 3.16

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR

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+   (CFS)       (HR)
                          (CFS)
+      10.      12.50                    2.          1.          1.          1.
                        (INCHES)      2.546       3.146       3.146       3.146
                         (AC-FT)         1.          1.          1.          1.

                         CUMULATIVE AREA =    .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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            *            *
 435 KK     *     PXDPR  *
            *            *
            **************

 436 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                ROUTING OF NW WOBURN & WILMINGTON THROUGH PX DEPRESSED AREA

               HYDROGRAPH ROUTING DATA

 438 RS          STORAGE ROUTING
                       NSTPS           1  NUMBER OF SUBREACHES
                        ITYP        ELEV  TYPE OF INITIAL CONDITION
                      RSVRIC       67.40  INITIAL CONDITION
                           X         .00 WORKING R AND D COEFFICIENT

 439 SA               AREA          .0        .3        .7        .9        .9

 440 SE          ELEVATION       68.00     69.00     70.00     71.00     72.40

 441 SL          LOW-LEVEL OUTLET
                       ELEVL       68.90  ELEVATION AT CENTER OF OUTLET
                       CAREA        7.07  CROSS-SECTIONAL AREA
                        COQL         .60  COEFFICIENT
                        EXPL         .50  EXPONENT OF HEAD

 442 SS          SPILLWAY
                        CREL       72.30  SPILLWAY CREST ELEVATION
                       SPWID       30.00  SPILLWAY WIDTH
                        COQW        3.00  WEIR COEFFICIENT
                        EXPW        1.50  EXPONENT OF HEAD

                                                        ***

                                          COMPUTED STORAGE-ELEVATION DATA

           STORAGE        .00       .10       .59      1.41      2.72
         ELEVATION      68.00     69.00     70.00     71.00     72.40

                                          COMPUTED OUTFLOW-ELEVATION DATA

           OUTFLOW        .00       .00     40.27     42.44     44.86     47.57     50.63     54.11     58.10     62.73
         ELEVATION      68.00     68.90     70.30     70.46     70.64     70.86     71.11     71.43     71.82     72.30

           OUTFLOW      62.88     63.01     63.18     63.41     63.71     64.09     64.54     65.09     65.74     66.49
         ELEVATION      72.31     72.31     72.32     72.33     72.34     72.35     72.36     72.37     72.38     72.40
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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.07	.10	.59	.81	.94	1.09	1.28	1.41	1.52
OUTFLOW	.00	.00	10.76	35.68	40.27	42.44	44.86	47.57	49.30	50.63
ELEVATION	68.00	68.90	69.00	70.00	70.30	70.46	70.64	70.86	71.00	71.11
STORAGE	1.82	2.18	2.63	2.64	2.66	2.67	2.68	2.70	2.71	2.72
OUTFLOW	54.11	58.10	62.73	63.01	63.41	64.09	64.54	65.09	65.74	66.49
ELEVATION	71.43	71.82	72.30	72.31	72.33	72.35	72.36	72.37	72.38	72.40

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 11.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION PXDPR

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	68.0	28	FEB	0915	34	0.	.0	68.0	28	FEB	1730	67	19.	.3	69.3
28	FEB	0115	2	0.	.0	68.0	28	FEB	0930	35	0.	.0	68.1	28	FEB	1745	68	20.	.3	69.4
28	FEB	0130	3	0.	.0	68.0	28	FEB	0945	36	0.	.0	68.1	28	FEB	1800	69	20.	.3	69.4
28	FEB	0145	4	0.	.0	68.0	28	FEB	1000	37	0.	.0	68.1	28	FEB	1815	70	20.	.3	69.4
28	FEB	0200	5	0.	.0	68.0	28	FEB	1015	38	0.	.0	68.3	28	FEB	1830	71	20.	.3	69.4
28	FEB	0215	6	0.	.0	68.0	28	FEB	1030	39	0.	.0	68.6	28	FEB	1845	72	20.	.3	69.4
28	FEB	0230	7	0.	.0	68.0	28	FEB	1045	40	0.	.1	68.9	28	FEB	1900	73	20.	.3	69.4
28	FEB	0245	8	0.	.0	68.0	28	FEB	1100	41	2.	.1	68.9	28	FEB	1915	74	20.	.3	69.4
28	FEB	0300	9	0.	.0	68.0	28	FEB	1115	42	2.	.1	68.9	28	FEB	1930	75	19.	.3	69.3
28	FEB	0315	10	0.	.0	68.0	28	FEB	1130	43	3.	.1	68.9	28	FEB	1945	76	19.	.3	69
28	FEB	0330	11	0.	.0	68.0	28	FEB	1145	44	3.	.1	68.9	28	FEB	2000	77	18.	.2	6
28	FEB	0345	12	0.	.0	68.0	28	FEB	1200	45	4.	.1	68.9	28	FEB	2015	78	18.	.2	69.
28	FEB	0400	13	0.	.0	68.0	28	FEB	1215	46	5.	.1	68.9	28	FEB	2030	79	18.	.2	69.3
28	FEB	0415	14	0.	.0	68.0	28	FEB	1230	47	8.	.1	69.0	28	FEB	2045	80	17.	.2	69.3
28	FEB	0430	15	0.	.0	68.0	28	FEB	1245	48	12.	.1	69.0	28	FEB	2100	81	17.	.2	69.3
28	FEB	0445	16	0.	.0	68.0	28	FEB	1300	49	18.	.2	69.3	28	FEB	2115	82	17.	.2	69.3
28	FEB	0500	17	0.	.0	68.0	28	FEB	1315	50	38.	.7	70.1	28	FEB	2130	83	17.	.2	69.3
28	FEB	0515	18	0.	.0	68.0	28	FEB	1330	51	50.	1.5	71.1	28	FEB	2145	84	17.	.2	69.3
28	FEB	0530	19	0.	.0	68.0	28	FEB	1345	52	57.	2.1	71.7	28	FEB	2200	85	17.	.2	69.3
28	FEB	0545	20	0.	.0	68.0	28	FEB	1400	53	57.	2.1	71.7	28	FEB	2215	86	17.	.2	69.3
28	FEB	0600	21	0.	.0	68.0	28	FEB	1415	54	54.	1.8	71.4	28	FEB	2230	87	17.	.2	69.3
28	FEB	0615	22	0.	.0	68.0	28	FEB	1430	55	49.	1.4	70.9	28	FEB	2245	88	17.	.2	69.3
28	FEB	0630	23	0.	.0	68.0	28	FEB	1445	56	42.	.9	70.5	28	FEB	2300	89	17.	.2	69.3
28	FEB	0645	24	0.	.0	68.0	28	FEB	1500	57	35.	.6	70.0	28	FEB	2315	90	17.	.2	69.2
28	FEB	0700	25	0.	.0	68.0	28	FEB	1515	58	24.	.4	69.5	28	FEB	2330	91	16.	.2	69.2
28	FEB	0715	26	0.	.0	68.0	28	FEB	1530	59	20.	.3	69.4	28	FEB	2345	92	16.	.2	69.2
28	FEB	0730	27	0.	.0	68.0	28	FEB	1545	60	19.	.3	69.3	1	MAR	0000	93	16.	.2	69.2
28	FEB	0745	28	0.	.0	68.0	28	FEB	1600	61	18.	.2	69.3	1	MAR	0015	94	16.	.2	69.2
28	FEB	0800	29	0.	.0	68.0	28	FEB	1615	62	18.	.2	69.3	1	MAR	0030	95	16.	.2	69.2
28	FEB	0815	30	0.	.0	68.0	28	FEB	1630	63	18.	.2	69.3	1	MAR	0045	96	16.	.2	69.2
28	FEB	0830	31	0.	.0	68.0	28	FEB	1645	64	19.	.3	69.3	1	MAR	0100	97	15.	.2	69.2
28	FEB	0845	32	0.	.0	68.0	28	FEB	1700	65	19.	.3	69.3							
28	FEB	0900	33	0.	.0	68.0	28	FEB	1715	66	19.	.3	69.3							

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 57.	13.00		29.	12.	12.	12.
		(INCHES)	1.003	1.675	1.675	1.675
		(AC-FT)	14.	24.	24.	24.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
2.	13.00	1.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.00-HR
71.73	13.00	69.87	68.89	68.89	68.89

CUMULATIVE AREA = .27 SQ MI

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              *            *
443 KK        *    4ECHL   *
              *            *
              **************

444 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                             DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON

  6 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN         15  TIME INTERVAL IN MINUTES
                     JXDATE    28FEB91  STARTING DATE
                     JXTIME        100  STARTING TIME

              SUBBASIN RUNOFF DATA

446 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .30  SUBBASIN AREA
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HYDROGRAPH AT STATION 4ECHL

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DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	0.	28 FEB 1330	51	75.	28 FEB 1945	76	13.
28 FEB 0115	2	0.	28 FEB 0730	27	0.	28 FEB 1345	52	75.	28 FEB 2000	77	12.
28 FEB 0130	3	0.	28 FEB 0745	28	0.	28 FEB 1400	53	75.	28 FEB 2015	78	11.
28 FEB 0145	4	0.	28 FEB 0800	29	0.	28 FEB 1415	54	75.	28 FEB 2030	79	11.
28 FEB 0200	5	0.	28 FEB 0815	30	0.	28 FEB 1430	55	75.	28 FEB 2045	80	11.
28 FEB 0215	6	0.	28 FEB 0830	31	0.	28 FEB 1445	56	75.	28 FEB 2100	81	10.
28 FEB 0230	7	0.	28 FEB 0845	32	0.	28 FEB 1500	57	75.	28 FEB 2115	82	10.
28 FEB 0245	8	0.	28 FEB 0900	33	0.	28 FEB 1515	58	75.	28 FEB 2130	83	10.
28 FEB 0300	9	0.	28 FEB 0915	34	0.	28 FEB 1530	59	75.	28 FEB 2145	84	10.
28 FEB 0315	10	0.	28 FEB 0930	35	0.	28 FEB 1545	60	75.	28 FEB 2200	85	9.
28 FEB 0330	11	0.	28 FEB 0945	36	0.	28 FEB 1600	61	64.	28 FEB 2215	86	9.
28 FEB 0345	12	0.	28 FEB 1000	37	1.	28 FEB 1615	62	48.	28 FEB 2230	87	9.
28 FEB 0400	13	0.	28 FEB 1015	38	3.	28 FEB 1630	63	32.	28 FEB 2245	88	9.
28 FEB 0415	14	0.	28 FEB 1030	39	3.	28 FEB 1645	64	27.	28 FEB 2300	89	9.
28 FEB 0430	15	0.	28 FEB 1045	40	4.	28 FEB 1700	65	27.	28 FEB 2315	90	9.

28 FEB 0445	16	0.	*	28 FEB 1100	41	5.	*	28 FEB 1715	66	26.	*	28 FEB 2330	91	8.
28 FEB 0500	17	0.	*	28 FEB 1115	42	6.	*	28 FEB 1730	67	25.	*	28 FEB 2345	92	8.
28 FEB 0515	18	0.	*	28 FEB 1130	43	8.	*	28 FEB 1745	68	24.	*	1 MAR 0000	93	8.
28 FEB 0530	19	0.	*	28 FEB 1145	44	10.	*	28 FEB 1800	69	23.	*	1 MAR 0015	94	8
28 FEB 0545	20	0.	*	28 FEB 1200	45	12.	*	28 FEB 1815	70	22.	*	1 MAR 0030	95	8
28 FEB 0600	21	0.	*	28 FEB 1215	46	18.	*	28 FEB 1830	71	21.	*	1 MAR 0045	96	8.
28 FEB 0615	22	0.	*	28 FEB 1230	47	27.	*	28 FEB 1845	72	21.	*	1 MAR 0100	97	8.
28 FEB 0630	23	0.	*	28 FEB 1245	48	42.	*	28 FEB 1900	73	20.	*			
28 FEB 0645	24	0.	*	28 FEB 1300	49	61.	*	28 FEB 1915	74	18.	*			
28 FEB 0700	25	0.	*	28 FEB 1315	50	75.	*	28 FEB 1930	75	15.	*			
			*				*				*			

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 75.	12.25		53.	17.	17.	17.
		(INCHES)	1.641	2.120	2.120	2.120
		(AC-FT)	26.	34.	34.	34.

CUMULATIVE AREA = .30 SQ MI

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          *            *
457 KK    *     HB1B   *
          *            *
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458 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

SCS RUNOFF CALCULATION

SUBBASIN RUNOFF DATA

460 BA SUBBASIN CHARACTERISTICS

TAREA	.02	SUBBASIN AREA

PRECIPITATION DATA

461 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
.50	1.10	2.10	2.70	3.00	3.60	4.50	5.20	.00	.00	.00	.00

STORM AREA = .02

462 LS SCS LOSS RATE

STRTL	.38	INITIAL ABSTRACTION
CRVNBR	84.00	CURVE NUMBER
RTIMP	.00	PERCENT IMPERVIOUS AREA

463 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	.31	LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES

14. 23. 10. 4. 2. 1. 0. 0.

HYDROGRAPH AT STATION HB1B

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.10	.22	.88	23.
28 FEB 0115	2	.01	.01	.00	0.	28 FEB 1330	51	.28	.04	.24	28.
28 FEB 0130	3	.01	.01	.00	0.	28 FEB 1345	52	.18	.02	.15	19.
28 FEB 0145	4	.01	.01	.00	0.	28 FEB 1400	53	.14	.02	.12	12.
28 FEB 0200	5	.01	.01	.00	0.	28 FEB 1415	54	.08	.01	.07	8.
28 FEB 0215	6	.01	.01	.00	0.	28 FEB 1430	55	.07	.01	.06	6.
28 FEB 0230	7	.01	.01	.00	0.	28 FEB 1445	56	.06	.01	.06	4.
28 FEB 0245	8	.01	.01	.00	0.	28 FEB 1500	57	.06	.01	.05	3.
28 FEB 0300	9	.01	.01	.00	0.	28 FEB 1515	58	.05	.01	.05	3.
28 FEB 0315	10	.01	.01	.00	0.	28 FEB 1530	59	.05	.01	.04	3.
28 FEB 0330	11	.01	.01	.00	0.	28 FEB 1545	60	.04	.00	.04	2.
28 FEB 0345	12	.01	.01	.00	0.	28 FEB 1600	61	.04	.00	.04	2.
28 FEB 0400	13	.01	.01	.00	0.	28 FEB 1615	62	.05	.00	.04	2.
28 FEB 0415	14	.01	.01	.00	0.	28 FEB 1630	63	.05	.00	.04	2.
28 FEB 0430	15	.01	.01	.00	0.	28 FEB 1645	64	.04	.00	.04	2.
28 FEB 0445	16	.01	.01	.00	0.	28 FEB 1700	65	.04	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.03	2.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.03	2.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.03	2.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.03	.00	.03	2.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.03	.00	.03	2.
28 FEB 0630	23	.02	.02	.00	0.	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.02	.02	.00	0.	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.02	.02	.00	0.	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.03	.03	.00	0.	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.03	.03	.00	0.	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.03	.03	.00	0.	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.00	0.	28 FEB 2045	80	.02	.00	.01	1.
28 FEB 0845	32	.04	.03	.01	0.	28 FEB 2100	81	.02	.00	.01	1.
28 FEB 0900	33	.04	.03	.01	0.	28 FEB 2115	82	.02	.00	.01	1.
28 FEB 0915	34	.04	.03	.01	0.	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.04	.03	.01	0.	28 FEB 2145	84	.01	.00	.01	1.
28 FEB 0945	36	.04	.03	.01	1.	28 FEB 2200	85	.01	.00	.01	1.
28 FEB 1000	37	.05	.03	.01	1.	28 FEB 2215	86	.01	.00	.01	1.
28 FEB 1015	38	.04	.03	.01	1.	28 FEB 2230	87	.01	.00	.01	1.
28 FEB 1030	39	.04	.03	.02	1.	28 FEB 2245	88	.01	.00	.01	1.
28 FEB 1045	40	.05	.03	.02	1.	28 FEB 2300	89	.01	.00	.01	1.
28 FEB 1100	41	.05	.03	.02	1.	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.05	.03	.02	1.	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.06	.03	.03	1.	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.07	.03	.03	1.	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.08	.04	.04	2.	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.06	.07	2.	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.06	.09	3.	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.23	.08	.15	5.	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.49	.14	.35	10.						

TOTAL RAINFALL = 5.20, TOTAL LOSS = 1.75, TOTAL EXCESS = 3.45

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+     28.     12.50                  6.          2.          2.          2.
                      (INCHES)    2.754       3.435       3.435       3.435
                       (AC-FT)       3.          4.          4.          4.

                       CUMULATIVE AREA =     .02 SQ MI
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467 KK    *    EWCLPX  *
          *            *
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468 KO         OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              CHANNEL ROUTING THROUGH E/W CHANNEL AT PX REALTY

             HYDROGRAPH ROUTING DATA

470 RS         STORAGE ROUTING
                     NSTPS           1  NUMBER OF SUBREACHES
                      ITYP        STOR  TYPE OF INITIAL CONDITION
                    RSVRIC         .00  INITIAL CONDITION
                         X         .00 WORKING R AND D COEFFICIENT

471 RC         NORMAL DEPTH CHANNEL ROUTING
                       ANL        .080  LEFT OVERBANK N-VALUE
                      ANCH        .030  MAIN CHANNEL N-VALUE
                       ANR        .080  RIGHT OVERBANK N-VALUE
                     RLNTH        250.  REACH LENGTH
                       SEL       .0032  ENERGY SLOPE
                     ELMAX        70.5  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                      CROSS-SECTION DATA
                        --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
473 RY       ELEVATION    72.00     71.00     70.00     64.40     64.40     70.00     70.20     70.50
472 RX       DISTANCE       .00      5.00     10.00     16.00     22.00     28.00     38.00     48.00
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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.01	.02	.04	.05	.07	.09	.11	.13	.15
OUTFLOW	.00	2.53	8.05	15.95	26.08	38.39	52.88	69.60	88.60	109.93
ELEVATION	64.40	64.72	65.04	65.36	65.68	66.01	66.33	66.65	66.97	67.29
STORAGE	.17	.20	.22	.25	.28	.31	.34	.37	.41	.47
OUTFLOW	133.66	159.86	188.59	219.93	253.95	290.73	330.32	372.81	424.60	486.74
ELEVATION	67.61	67.93	68.25	68.57	68.89	69.22	69.54	69.86	70.18	70.50

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 487.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

HYDROGRAPH AT STATION EWCLPX

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	64.4	28	FEB	0915	34	0.	.0	64.4	28	FEB	1730	67	27.	.1	65.7
28	FEB	0115	2	0.	.0	64.4	28	FEB	0930	35	0.	.0	64.5	28	FEB	1745	68	26.	.1	65.7
28	FEB	0130	3	0.	.0	64.4	28	FEB	0945	36	1.	.0	64.5	28	FEB	1800	69	25.	.1	65.6
28	FEB	0145	4	0.	.0	64.4	28	FEB	1000	37	1.	.0	64.6	28	FEB	1815	70	24.	.1	65.6
28	FEB	0200	5	0.	.0	64.4	28	FEB	1015	38	3.	.0	64.8	28	FEB	1830	71	23.	.0	65.6
28	FEB	0215	6	0.	.0	64.4	28	FEB	1030	39	4.	.0	64.8	28	FEB	1845	72	23.	.0	65.6
28	FEB	0230	7	0.	.0	64.4	28	FEB	1045	40	4.	.0	64.8	28	FEB	1900	73	22.	.0	65.5
28	FEB	0245	8	0.	.0	64.4	28	FEB	1100	41	6.	.0	64.9	28	FEB	1915	74	20.	.0	65.5
28	FEB	0300	9	0.	.0	64.4	28	FEB	1115	42	7.	.0	65.0	28	FEB	1930	75	16.	.0	65.4
28	FEB	0315	10	0.	.0	64.4	28	FEB	1130	43	9.	.0	65.1	28	FEB	1945	76	14.	.0	65.3
28	FEB	0330	11	0.	.0	64.4	28	FEB	1145	44	11.	.0	65.2	28	FEB	2000	77	13.	.0	65.2
28	FEB	0345	12	0.	.0	64.4	28	FEB	1200	45	14.	.0	65.3	28	FEB	2015	78	12.	.0	65.2
28	FEB	0400	13	0.	.0	64.4	28	FEB	1215	46	20.	.0	65.5	28	FEB	2030	79	12.	.0	65.2
28	FEB	0415	14	0.	.0	64.4	28	FEB	1230	47	30.	.1	65.8	28	FEB	2045	80	12.	.0	65.2
28	FEB	0430	15	0.	.0	64.4	28	FEB	1245	48	46.	.1	66.2	28	FEB	2100	81	11.	.0	65.2
28	FEB	0445	16	0.	.0	64.4	28	FEB	1300	49	69.	.1	66.6	28	FEB	2115	82	11.	.0	65.2
28	FEB	0500	17	0.	.0	64.4	28	FEB	1315	50	96.	.1	67.1	28	FEB	2130	83	11.	.0	65.2
28	FEB	0515	18	0.	.0	64.4	28	FEB	1330	51	103.	.1	67.2	28	FEB	2145	84	11.	.0	65.2
28	FEB	0530	19	0.	.0	64.4	28	FEB	1345	52	94.	.1	67.0	28	FEB	2200	85	10.	.0	65.1
28	FEB	0545	20	0.	.0	64.4	28	FEB	1400	53	87.	.1	66.9	28	FEB	2215	86	10.	.0	65.1
28	FEB	0600	21	0.	.0	64.4	28	FEB	1415	54	83.	.1	66.9	28	FEB	2230	87	10.	.0	65.1
28	FEB	0615	22	0.	.0	64.4	28	FEB	1430	55	81.	.1	66.8	28	FEB	2245	88	10.	.0	65.1
28	FEB	0630	23	0.	.0	64.4	28	FEB	1445	56	79.	.1	66.8	28	FEB	2300	89	10.	.0	65.1
28	FEB	0645	24	0.	.0	64.4	28	FEB	1500	57	79.	.1	66.8	28	FEB	2315	90	10.	.0	65.1
	FEB	0700	25	0.	.0	64.4	28	FEB	1515	58	78.	.1	66.8	28	FEB	2330	91	9.	.0	65.1
	FEB	0715	26	0.	.0	64.4	28	FEB	1530	59	78.	.1	66.8	28	FEB	2345	92	9.	.0	65.1
28	FEB	0730	27	0.	.0	64.4	28	FEB	1545	60	77.	.1	66.8	1	MAR	0000	93	9.	.0	65.1
28	FEB	0745	28	0.	.0	64.4	28	FEB	1600	61	67.	.1	66.6	1	MAR	0015	94	9.	.0	65.1
28	FEB	0800	29	0.	.0	64.4	28	FEB	1615	62	51.	.1	66.3	1	MAR	0030	95	9.	.0	65.1
28	FEB	0815	30	0.	.0	64.4	28	FEB	1630	63	35.	.1	65.9	1	MAR	0045	96	9.	.0	65.1
28	FEB	0830	31	0.	.0	64.4	28	FEB	1645	64	29.	.1	65.8	1	MAR	0100	97	9.	.0	65.1
28	FEB	0845	32	0.	.0	64.4	28	FEB	1700	65	29.	.1	65.8							
28	FEB	0900	33	0.	.0	64.4	28	FEB	1715	66	28.	.1	65.7							

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
103.	12.50		59.	19.	19.	19.
		(INCHES)	1.713	2.205	2.205	2.205
		(AC-FT)	29.	38.	38.	38.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
0.	12.50	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.00-HR
67.19	12.50	66.38	65.18	65.18	65.18

CUMULATIVE AREA = .32 SQ MI

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          *             *
474 KK    *     HB1AS   *
          *             *
          ***************

475 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

477 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .01  SUBBASIN AREA

                PRECIPITATION DATA

478 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .50    1.10    2.10    2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                  STORM AREA =     .01

479 LS          SCS LOSS RATE
                      STRTL         .22  INITIAL ABSTRACTION
                     CRVNBR       90.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

480 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .47  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                        UNIT HYDROGRAPH
                                                   11 END-OF-PERIOD ORDINATES
                2.       5.       4.       2.       1.       1.       0.       0.       0.       0.
                0.

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                                                HYDROGRAPH AT STATION    HB1AS

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                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.10     .10    1.00         5.
      28 FEB 0115    2     .01     .01     .00         0.        *      28 FEB 1330   51     .28     .02     .26         8.
      28 FEB 0130    3     .01     .01     .00         0.        *      28 FEB 1345   52     .18     .01     .17         7.
      28 FEB 0145    4     .01     .01     .00         0.        *      28 FEB 1400   53     .14     .01     .13         5.
      28 FEB 0200    5     .01     .01     .00         0.        *      28 FEB 1415   54     .08     .00     .08         4.
      28 FEB 0215    6     .01     .01     .00         0.        *      28 FEB 1430   55     .07     .00     .07         3.
      28 FEB 0230    7     .01     .01     .00         0.        *      28 FEB 1445   56     .06     .00     .06         2.
      28 FEB 0245    8     .01     .01     .00         0.        *      28 FEB 1500   57     .06     .00     .05         1.
      28 FEB 0300    9     .01     .01     .00         0.        *      28 FEB 1515   58     .05     .00     .05         1.
      28 FEB 0315   10     .01     .01     .00         0.        *      28 FEB 1530   59     .05     .00     .05         1.
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28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.00	.04	1.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.00	.04	1.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.00	.05	1.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.00	.04	1.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.00	.04	1.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	0.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	0.
28 FEB 0715	26	.03	.02	.01	0.	*	28 FEB 1930	75	.02	.00	.02	0.
28 FEB 0730	27	.03	.02	.01	0.	*	28 FEB 1945	76	.02	.00	.02	0.
28 FEB 0745	28	.03	.02	.01	0.	*	28 FEB 2000	77	.02	.00	.02	0.
28 FEB 0800	29	.03	.02	.01	0.	*	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.03	.02	.01	0.	*	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.02	.01	0.	*	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.02	.02	0.	*	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.02	.02	0.	*	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.02	.02	0.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.02	.02	0.	*	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.02	.02	0.	*	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.02	.03	0.	*	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.02	.02	0.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.02	.03	0.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.02	.03	0.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.02	.03	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.02	.04	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.02	.04	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.02	.05	1.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.02	.06	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.03	.09	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.04	.12	1.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.04	.18	2.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.07	.42	2.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 1.13, TOTAL EXCESS = 4.07

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 8.	12.50		2.	1.	1.	1.
		(INCHES)	3.155	4.040	4.040	4.040
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .01 SQ MI

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              *            *
  4 KK        *     HB1CH  *
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485 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH N/S CHANNEL at PX REALTY

              HYDROGRAPH ROUTING DATA

487 RS          STORAGE ROUTING
                      NSTPS          1  NUMBER OF SUBREACHES
                       ITYP       ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC      66.40  INITIAL CONDITION
                          X        .00 WORKING R AND D COEFFICIENT

488 SA              AREA         .0        .0        .0        .0        .0        .1        .1

489 SE          ELEVATION      66.40     66.50     67.00     67.50     68.00     69.00     69.40

490 SL          LOW-LEVEL OUTLET
                      ELEVL      59.65  ELEVATION AT CENTER OF OUTLET
                      CAREA       7.07  CROSS-SECTIONAL AREA
                       COQL        .60  COEFFICIENT
                       EXPL        .50  EXPONENT OF HEAD

491 SS          SPILLWAY
                       CREL      69.30  SPILLWAY CREST ELEVATION
                      SPWID        .00  SPILLWAY WIDTH
                       COQW        .00  WEIR COEFFICIENT
                       EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .00       .01       .02       .04       .09       .12
        ELEVATION      66.40     66.50     67.00     67.50     68.00     69.00     69.40

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00     90.03     91.72     93.49     95.32     97.23     99.21    101.28    103.44    105.68
        ELEVATION      66.40     66.65     66.92     67.20     67.50     67.82     68.15     68.51     68.89     69.30


                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00       .00       .00       .01       .01       .01       .02       .03       .04       .05
          OUTFLOW      88.39     89.04     90.03     91.72     92.23     93.49     95.32     97.23     98.31     99.21
        ELEVATION      66.40     66.50     66.65     66.92     67.00     67.20     67.50     67.82     68.00     68.15

          STORAGE        .06       .09       .09       .11       .12
          OUTFLOW     101.28    103.44    104.03    105.68    106.23
        ELEVATION      68.51     68.89     69.00     69.30     69.40

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN       88. TO      103.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                                HYDROGRAPH AT STATION    HB1CH

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                                                *                                                *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                                *                                                *
 28 FEB 0100   1      88.       .0    66.4 * 28 FEB 0915  34       6.      -.1    66.4 * 28 FEB 1730  67      48.       .0    66.4
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28 FEB 0115	2	6.	-.1	66.4	*	28 FEB 0930	35	6.	-.1	66.4	*	28 FEB 1745	68	45.	.0	66.4
28 FEB 0130	3	6.	-.1	66.4	*	28 FEB 0945	36	6.	-.1	66.4	*	28 FEB 1800	69	46.	.0	66.4
28 FEB 0145	4	6.	-.1	66.4	*	28 FEB 1000	37	6.	-.1	66.4	*	28 FEB 1815	70	44.	.0	66.4
28 FEB 0200	5	6.	-.1	66.4	*	28 FEB 1015	38	6.	-.1	66.4	*	28 FEB 1830	71	43.	.0	66.4
FEB 0215	6	6.	-.1	66.4	*	28 FEB 1030	39	6.	-.1	66.4	*	28 FEB 1845	72	42.	.0	66.4
FEB 0230	7	6.	-.1	66.4	*	28 FEB 1045	40	6.	-.1	66.4	*	28 FEB 1900	73	42.	.0	66.4
FEB 0245	8	6.	-.1	66.4	*	28 FEB 1100	41	7.	-.1	66.4	*	28 FEB 1915	74	39.	.0	66.4
28 FEB 0300	9	6.	-.1	66.4	*	28 FEB 1115	42	10.	-.1	66.4	*	28 FEB 1930	75	36.	.0	66.4
28 FEB 0315	10	6.	-.1	66.4	*	28 FEB 1130	43	11.	-.1	66.4	*	28 FEB 1945	76	33.	.0	66.4
28 FEB 0330	11	6.	-.1	66.4	*	28 FEB 1145	44	16.	-.1	66.4	*	28 FEB 2000	77	32.	.0	66.4
28 FEB 0345	12	6.	-.1	66.4	*	28 FEB 1200	45	17.	-.1	66.4	*	28 FEB 2015	78	30.	.0	66.4
28 FEB 0400	13	6.	-.1	66.4	*	28 FEB 1215	46	26.	-.1	66.4	*	28 FEB 2030	79	30.	.0	66.4
28 FEB 0415	14	6.	-.1	66.4	*	28 FEB 1230	47	38.	.0	66.4	*	28 FEB 2045	80	29.	.0	66.4
28 FEB 0430	15	6.	-.1	66.4	*	28 FEB 1245	48	58.	.0	66.4	*	28 FEB 2100	81	29.	.0	66.4
28 FEB 0445	16	6.	-.1	66.4	*	28 FEB 1300	49	88.	.0	66.4	*	28 FEB 2115	82	28.	.0	66.4
28 FEB 0500	17	6.	-.1	66.4	*	28 FEB 1315	50	116.	.3	71.2	*	28 FEB 2130	83	28.	.0	66.4
28 FEB 0515	18	6.	-.1	66.4	*	28 FEB 1330	51	146.	.6	76.6	*	28 FEB 2145	84	28.	.0	66.4
28 FEB 0530	19	6.	-.1	66.4	*	28 FEB 1345	52	158.	.8	78.8	*	28 FEB 2200	85	28.	.0	66.4
28 FEB 0545	20	6.	-.1	66.4	*	28 FEB 1400	53	154.	.8	78.2	*	28 FEB 2215	86	27.	-.1	66.4
28 FEB 0600	21	6.	-.1	66.4	*	28 FEB 1415	54	146.	.7	76.8	*	28 FEB 2230	87	27.	.0	66.4
28 FEB 0615	22	6.	-.1	66.4	*	28 FEB 1430	55	138.	.5	75.1	*	28 FEB 2245	88	27.	-.1	66.4
28 FEB 0630	23	6.	-.1	66.4	*	28 FEB 1445	56	129.	.4	73.6	*	28 FEB 2300	89	27.	-.1	66.4
28 FEB 0645	24	6.	-.1	66.4	*	28 FEB 1500	57	120.	.3	72.0	*	28 FEB 2315	90	27.	-.1	66.4
28 FEB 0700	25	6.	-.1	66.4	*	28 FEB 1515	58	111.	.2	70.2	*	28 FEB 2330	91	26.	-.1	66.4
28 FEB 0715	26	6.	-.1	66.4	*	28 FEB 1530	59	102.	.1	68.7	*	28 FEB 2345	92	25.	-.1	66.4
28 FEB 0730	27	6.	-.1	66.4	*	28 FEB 1545	60	97.	.0	67.9	*	1 MAR 0000	93	25.	-.1	66.4
28 FEB 0745	28	6.	-.1	66.4	*	28 FEB 1600	61	89.	.0	66.5	*	1 MAR 0015	94	25.	-.1	66.4
28 FEB 0800	29	6.	-.1	66.4	*	28 FEB 1615	62	68.	.0	66.4	*	1 MAR 0030	95	25.	-.1	66.4
28 FEB 0815	30	6.	-.1	66.4	*	28 FEB 1630	63	56.	.0	66.4	*	1 MAR 0045	96	25.	-.1	66.4
28 FEB 0830	31	6.	-.1	66.4	*	28 FEB 1645	64	47.	.0	66.4	*	1 MAR 0100	97	24.	-.1	66.4
28 FEB 0845	32	6.	-.1	66.4	*	28 FEB 1700	65	50.	.0	66.4	*					
28 FEB 0900	33	6.	-.1	66.4	*	28 FEB 1715	66	47.	.0	66.4	*					
					*						*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 158.	12.75		89.	35.	35.	35.
		(INCHES)	1.397	2.166	2.166	2.166
		(AC-FT)	44.	69.	69.	69.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	12.75	0.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
78.84	12.75	69.68	67.22	67.22	67.22

CUMULATIVE AREA = .59 SQ MI

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              *            *
492 KK        *   DIHBCH   *
              *            *
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493 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               DIRECT INPUT OF HYDROGRAPH FROM HB1BCH (MODIFIED PEAK)

  6 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN          15  TIME INTERVAL IN MINUTES
                     JXDATE     28FEB91  STARTING DATE
                     JXTIME         100  STARTING TIME

             SUBBASIN RUNOFF DATA

495 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .66  SUBBASIN AREA
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HYDROGRAPH AT STATION DIHBCH

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
28	FEB	0100	1	0.	28	FEB	0715	26	6.	28	FEB	1330	51	110.	28	FEB	1945	76	33.
28	FEB	0115	2	6.	28	FEB	0730	27	6.	28	FEB	1345	52	110.	28	FEB	2000	77	32.
28	FEB	0130	3	6.	28	FEB	0745	28	6.	28	FEB	1400	53	110.	28	FEB	2015	78	30.
28	FEB	0145	4	6.	28	FEB	0800	29	6.	28	FEB	1415	54	110.	28	FEB	2030	79	30.
28	FEB	0200	5	6.	28	FEB	0815	30	6.	28	FEB	1430	55	110.	28	FEB	2045	80	29.
28	FEB	0215	6	6.	28	FEB	0830	31	6.	28	FEB	1445	56	110.	28	FEB	2100	81	29.
28	FEB	0230	7	6.	28	FEB	0845	32	6.	28	FEB	1500	57	110.	28	FEB	2115	82	28.
28	FEB	0245	8	6.	28	FEB	0900	33	6.	28	FEB	1515	58	110.	28	FEB	2130	83	28.
28	FEB	0300	9	6.	28	FEB	0915	34	6.	28	FEB	1530	59	102.	28	FEB	2145	84	28.
28	FEB	0315	10	6.	28	FEB	0930	35	6.	28	FEB	1545	60	97.	28	FEB	2200	85	28.
28	FEB	0330	11	6.	28	FEB	0945	36	6.	28	FEB	1600	61	89.	28	FEB	2215	86	27.
28	FEB	0345	12	6.	28	FEB	1000	37	6.	28	FEB	1615	62	68.	28	FEB	2230	87	27.
28	FEB	0400	13	6.	28	FEB	1015	38	6.	28	FEB	1630	63	56.	28	FEB	2245	88	27.
28	FEB	0415	14	6.	28	FEB	1030	39	6.	28	FEB	1645	64	47.	28	FEB	2300	89	27.
28	FEB	0430	15	6.	28	FEB	1045	40	6.	28	FEB	1700	65	50.	28	FEB	2315	90	27.
28	FEB	0445	16	6.	28	FEB	1100	41	7.	28	FEB	1715	66	47.	28	FEB	2330	91	26.
28	FEB	0500	17	6.	28	FEB	1115	42	10.	28	FEB	1730	67	48.	28	FEB	2345	92	25.
28	FEB	0515	18	6.	28	FEB	1130	43	11.	28	FEB	1745	68	45.	1	MAR	0000	93	25.
28	FEB	0530	19	6.	28	FEB	1145	44	16.	28	FEB	1800	69	46.	1	MAR	0015	94	25.
28	FEB	0545	20	6.	28	FEB	1200	45	17.	28	FEB	1815	70	44.	1	MAR	0030	95	25.
28	FEB	0600	21	6.	28	FEB	1215	46	26.	28	FEB	1830	71	43.	1	MAR	0045	96	25.
28	FEB	0615	22	6.	28	FEB	1230	47	38.	28	FEB	1845	72	42.	1	MAR	0100	97	24.
28	FEB	0630	23	6.	28	FEB	1245	48	58.	28	FEB	1900	73	42.					
28	FEB	0645	24	6.	28	FEB	1300	49	88.	28	FEB	1915	74	39.					
28	FEB	0700	25	6.	28	FEB	1315	50	110.	28	FEB	1930	75	36.					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 110.	12.25		80.	32.	32.	32.
		(INCHES)	1.124	1.778	1.778	1.778
		(AC-FT)	40.	63.	63.	63.

CUMULATIVE AREA = .66 SQ MI

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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

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          *            *
506 KK    *     HB2A   *
          *            *
          **************

507 KO        OUTPUT CONTROL VARIABLES
                   IPRNT          1  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL         0.  HYDROGRAPH PLOT SCALE
                            SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

509 BA        SUBBASIN CHARACTERISTICS
                   TAREA        .02  SUBBASIN AREA

              PRECIPITATION DATA

510 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .50    1.10    2.10   2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                STORM AREA =     .02

511 LS        SCS LOSS RATE
                   STRTL         .33  INITIAL ABSTRACTION
                  CRVNBR       86.00  CURVE NUMBER
                   RTIMP         .00  PERCENT IMPERVIOUS AREA

512 UD        SCS DIMENSIONLESS UNITGRAPH
                    TLAG         .41  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                          10 END-OF-PERIOD ORDINATES
              8.      18.      14.       6.       3.       1.       1.       0.       0.       0.

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                                          HYDROGRAPH AT STATION     HB2A

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                                                                 *
     DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *     DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                 *
     28 FEB 0100    1     .00     .00     .00         0.        *     28 FEB 1315   50    1.10     .18     .92        17.
     28 FEB 0115    2     .01     .01     .00         0.        *     28 FEB 1330   51     .28     .03     .25        25.
     28 FEB 0130    3     .01     .01     .00         0.        *     28 FEB 1345   52     .18     .02     .16        22.
     28 FEB 0145    4     .01     .01     .00         0.        *     28 FEB 1400   53     .14     .01     .13        15.
     28 FEB 0200    5     .01     .01     .00         0.        *     28 FEB 1415   54     .08     .01     .08        10.
     28 FEB 0215    6     .01     .01     .00         0.        *     28 FEB 1430   55     .07     .01     .07         7.
     28 FEB 0230    7     .01     .01     .00         0.        *     28 FEB 1445   56     .06     .01     .06         5.
     28 FEB 0245    8     .01     .01     .00         0.        *     28 FEB 1500   57     .06     .01     .05         4.
     28 FEB 0300    9     .01     .01     .00         0.        *     28 FEB 1515   58     .05     .00     .05         3.
     28 FEB 0315   10     .01     .01     .00         0.        *     28 FEB 1530   59     .05     .00     .04         3.
     28 FEB 0330   11     .01     .01     .00         0.        *     28 FEB 1545   60     .04     .00     .04         2.
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28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.00	.04	2.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.00	.04	2.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.00	.04	2.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.00	.04	2.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.03	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.03	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.00	.03	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.00	.03	2.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.03	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.01	1.
28 FEB 0900	33	.04	.03	.01	0.	*	28 FEB 2115	82	.02	.00	.01	1.
28 FEB 0915	34	.04	.03	.01	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.04	.03	.01	1.	*	28 FEB 2145	84	.01	.00	.01	1.
28 FEB 0945	36	.04	.03	.02	1.	*	28 FEB 2200	85	.01	.00	.01	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.01	.00	.01	1.
28 FEB 1015	38	.04	.02	.02	1.	*	28 FEB 2230	87	.01	.00	.01	1.
28 FEB 1030	39	.04	.02	.02	1.	*	28 FEB 2245	88	.01	.00	.01	1.
28 FEB 1045	40	.05	.03	.02	1.	*	28 FEB 2300	89	.01	.00	.01	1.
28 FEB 1100	41	.05	.03	.02	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.05	.03	.03	1.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.06	.03	.03	1.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.07	.03	.04	1.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.08	.03	.04	2.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.05	.08	2.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.06	.10	3.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.23	.07	.16	5.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.49	.12	.37	8.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 1.55, TOTAL EXCESS = 3.65

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 25.	12.50		6.	2.	2.	2.
		(INCHES)	2.889	3.629	3.629	3.629
		(AC-FT)	3.	4.	4.	4.

CUMULATIVE AREA = .02 SQ MI

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          *            *
516 KK    *   HB2ASP   *
          *            *
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517 KO OUTPUT CONTROL VARIABLES

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                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH WET AREA IN B.E. ROW

          HYDROGRAPH ROUTING DATA

519 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      59.00  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

520 SA          AREA         .8       1.2       1.9

521 SE        ELEVATION     59.30     60.00     62.00

522 SS        SPILLWAY
                 CREL      59.00  SPILLWAY CREST ELEVATION
                SPWID      10.00  SPILLWAY WIDTH
                 COQW       3.00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .69      3.76
      ELEVATION     59.30     60.00     62.00

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00       .03       .21       .72      1.71      3.34      5.77      9.17     13.69
      ELEVATION     59.30     59.00     59.01     59.04     59.08     59.15     59.23     59.33     59.45     59.59

        OUTFLOW     19.49     26.73     35.58     46.19     58.72     73.34     90.21    109.48    131.32    155.88
      ELEVATION     59.75     59.93     60.12     60.33     60.56     60.81     61.08     61.37     61.68     62.00

                                COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .03       .13       .26       .41       .60       .69       .83      1.10      1.41
        OUTFLOW      4.93      5.77      9.17     13.69     19.49     26.73     30.00     35.58     46.19     58.72
      ELEVATION     59.30     59.33     59.45     59.59     59.75     59.93     60.00     60.12     60.33     60.56

        STORAGE      1.76      2.17      2.63      3.16      3.76
        OUTFLOW     73.34     90.21    109.48    131.32    155.88
      ELEVATION     60.81     61.08     61.37     61.68     62.00
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HYDROGRAPH AT STATION HB2ASP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.1	59.3	*	28	FEB	0915	34	6.	.0	59.4	*	28	FEB	1730	67	51.	1.2	60.4
28	FEB	0115	2	6.	.0	59.4	*	28	FEB	0930	35	6.	.0	59.4	*	28	FEB	1745	68	49.	1.2	60.4
28	FEB	0130	3	6.	.0	59.3	*	28	FEB	0945	36	7.	.0	59.4	*	28	FEB	1800	69	48.	1.1	60.4
	FEB	0145	4	6.	.0	59.3	*	28	FEB	1000	37	7.	.1	59.4	*	28	FEB	1815	70	47.	1.1	60.4
	FEB	0200	5	6.	.0	59.3	*	28	FEB	1015	38	7.	.1	59.4	*	28	FEB	1830	71	46.	1.1	60.3
28	FEB	0215	6	6.	.0	59.3	*	28	FEB	1030	39	7.	.1	59.4	*	28	FEB	1845	72	45.	1.1	60.3
28	FEB	0230	7	6.	.0	59.3	*	28	FEB	1045	40	7.	.1	59.4	*	28	FEB	1900	73	44.	1.0	60.3
28	FEB	0245	8	6.	.0	59.3	*	28	FEB	1100	41	7.	.1	59.4	*	28	FEB	1915	74	43.	1.0	60.3
28	FEB	0300	9	6.	.0	59.3	*	28	FEB	111[illegible]	42	8.	.1	59.4	*	28	FEB	1930	75	41.	1.0	60.2

28 FEB 0315	10	6.	.0	59.3 *	28 FEB 1130	43	10.	.2	59.5 *	28 FEB 1945	76	38.	.9	60.2
28 FEB 0330	11	6.	.0	59.3 *	28 FEB 1145	44	13.	.2	59.6 *	28 FEB 2000	77	35.	.8	60.1
28 FEB 0345	12	6.	.0	59.3 *	28 FEB 1200	45	16.	.3	59.6 *	28 FEB 2015	78	33.	.8	60.1
28 FEB 0400	13	6.	.0	59.3 *	28 FEB 1215	46	20.	.4	59.8 *	28 FEB 2030	79	32.	.7	60.0
28 FEB 0415	14	6.	.0	59.3 *	28 FEB 1230	47	28.	.6	60.0 *	28 FEB 2045	80	31.	.7	6
28 FEB 0430	15	6.	.0	59.3 *	28 FEB 1245	48	42.	1.0	60.2 *	28 FEB 2100	81	30.	.7	60
28 FEB 0445	16	6.	.0	59.3 *	28 FEB 1300	49	64.	1.5	60.7 *	28 FEB 2115	82	30.	.7	60.0
28 FEB 0500	17	6.	.0	59.3 *	28 FEB 1315	50	92.	2.2	61.1 *	28 FEB 2130	83	29.	.7	60.0
28 FEB 0515	18	6.	.0	59.3 *	28 FEB 1330	51	116.	2.8	61.5 *	28 FEB 2145	84	29.	.7	60.0
28 FEB 0530	19	6.	.0	59.3 *	28 FEB 1345	52	126.	3.0	61.6 *	28 FEB 2200	85	29.	.7	60.0
28 FEB 0545	20	6.	.0	59.3 *	28 FEB 1400	53	127.	3.1	61.6 *	28 FEB 2215	86	28.	.6	60.0
28 FEB 0600	21	6.	.0	59.3 *	28 FEB 1415	54	124.	3.0	61.6 *	28 FEB 2230	87	28.	.6	60.0
28 FEB 0615	22	6.	.0	59.3 *	28 FEB 1430	55	121.	2.9	61.5 *	28 FEB 2245	88	28.	.6	60.0
28 FEB 0630	23	6.	.0	59.3 *	28 FEB 1445	56	118.	2.8	61.5 *	28 FEB 2300	89	28.	.6	59.9
28 FEB 0645	24	6.	.0	59.3 *	28 FEB 1500	57	116.	2.8	61.5 *	28 FEB 2315	90	28.	.6	59.9
28 FEB 0700	25	6.	.0	59.3 *	28 FEB 1515	58	115.	2.8	61.4 *	28 FEB 2330	91	27.	.6	59.9
28 FEB 0715	26	6.	.0	59.3 *	28 FEB 1530	59	111.	2.7	61.4 *	28 FEB 2345	92	27.	.6	59.9
28 FEB 0730	27	6.	.0	59.3 *	28 FEB 1545	60	106.	2.5	61.3 *	1 MAR 0000	93	26.	.6	59.9
28 FEB 0745	28	6.	.0	59.3 *	28 FEB 1600	61	100.	2.4	61.2 *	1 MAR 0015	94	26.	.6	59.9
28 FEB 0800	29	6.	.0	59.3 *	28 FEB 1615	62	88.	2.1	61.1 *	1 MAR 0030	95	26.	.6	59.9
28 FEB 0815	30	6.	.0	59.3 *	28 FEB 1630	63	74.	1.8	60.8 *	1 MAR 0045	96	26.	.6	59.9
28 FEB 0830	31	6.	.0	59.3 *	28 FEB 1645	64	62.	1.5	60.6 *	1 MAR 0100	97	25.	.6	59.9
28 FEB 0845	32	6.	.0	59.4 *	28 FEB 1700	65	55.	1.3	60.5 *					
28 FEB 0900	33	6.	.0	59.4 *	28 FEB 1715	66	52.	1.3	60.4 *					
				*					*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 127.	13.00		85.	33.	33.	33.
		(INCHES)	1.169	1.818	1.818	1.818
		(AC-FT)	42.	66.	66.	66.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
3.	13.00	2.	1.	1.	1.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
61.62	13.00	60.98	59.95	59.95	59.95

CUMULATIVE AREA = .68 SQ MI

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              *            *
523 KK        *     HB2B   *
              *            *
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524 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

SCS RUNOFF CALCULATION

SUBBASIN RUNOFF DATA

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526 BA          SUBBASIN CHARACTERISTICS
                      TAREA          .01  SUBBASIN AREA

                PRECIPITATION DATA

527 PH                                 DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .50    1.10    2.10   2.70    3.00    3.60    4.50    5.20     .00     .00     .00     .00

                                                   STORM AREA =     .01

528 LS          SCS LOSS RATE
                      STRTL          .60  INITIAL ABSTRACTION
                     CRVNBR        77.00  CURVE NUMBER
                      RTIMP          .00  PERCENT IMPERVIOUS AREA

529 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG          .24  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              7 END-OF-PERIOD ORDINATES
              13.       14.        4.        1.        0.        0.        0.
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HYDROGRAPH AT STATION HB2B

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.10	.37	.73	14.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.28	.07	.21	14.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.04	.13	8.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.03	.11	5.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.08	.02	.07	4.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.07	.02	.06	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.06	.01	.05	2.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.06	.01	.05	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.05	.01	.04	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.05	.01	.04	1.
28 FEB 0330	11	.01	.01	.00	0.	*	28 FEB 1545	60	.04	.01	.04	1.
28 FEB 0345	12	.01	.01	.00	0.	*	28 FEB 1600	61	.04	.01	.03	1.
28 FEB 0400	13	.01	.01	.00	0.	*	28 FEB 1615	62	.05	.01	.04	1.
28 FEB 0415	14	.01	.01	.00	0.	*	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.01	.01	.00	0.	*	28 FEB 1645	64	.04	.01	.03	1.
28 FEB 0445	16	.01	.01	.00	0.	*	28 FEB 1700	65	.04	.01	.03	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.03	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.03	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.03	.01	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.03	.01	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.03	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.01	1.
28 FEB 0800	29	.03	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.01	0.

28 FEB 0815	30	.03	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.01	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.01	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.04	.04	.00	0.	*	28 FEB 2145	84	.01	.00	.01	0.
28 FEB 0945	36	.04	.04	.00	0.	*	28 FEB 2200	85	.01	.00	.01	0.
28 FEB 1000	37	.05	.04	.00	0.	*	28 FEB 2215	86	.01	.00	.01	0.
28 FEB 1015	38	.04	.03	.01	0.	*	28 FEB 2230	87	.01	.00	.01	0.
28 FEB 1030	39	.04	.04	.01	0.	*	28 FEB 2245	88	.01	.00	.01	0.
28 FEB 1045	40	.05	.04	.01	0.	*	28 FEB 2300	89	.01	.00	.01	0.
28 FEB 1100	41	.05	.04	.01	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.05	.04	.01	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.06	.05	.02	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.07	.05	.02	1.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.08	.05	.02	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.08	.04	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.09	.06	2.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.23	.13	.10	2.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.49	.23	.26	5.	*						
						*						

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TOTAL RAINFALL = 5.20, TOTAL LOSS = 2.41, TOTAL EXCESS = 2.79

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
14.	12.50		3.	1.	1.	1.
		(INCHES)	2.271	2.778	2.778	2.778
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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RUNOFF SUMMARY
FLOW IN CUBIC FEET PER SECOND
TIME IN HOURS, AREA IN SQUARE MILES

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	5E	61.	12.50	15.	5.	5.	.07		
HYDROGRAPH AT	6CSWP	166.	13.50	133.	41.	41.	.93		
HYDROGRAPH AT	NB1	14.	12.50	4.	1.	1.	.01		
3 COMBINED AT	6CNB1	222.	12.75	152.	47.	47.	1.01		
ROUTED TO	NB1CHL	223.	12.75	152.	47.	47.	1.01		
								72.42	12.75
HYDROGRAPH AT	NB2	6.	12.75	2.	1.	1.	.01		
2 COMBINED AT	NB1NB2	229.	12.75	153.	47.	47.	1.02		

ROUTED TO									
+	NB2CHL	231.	12.75	153.	47.	47.	1.02		
+								71.02	12.75
HYDROGRAPH AT									
	NB3	3.	12.50	1.	0.	0.	.00		
ROUTED TO									
+	NB3CHL	3.	12.50	1.	0.	0.	.00		
+								66.44	12.50
HYDROGRAPH AT									
+	NB5	20.	12.50	4.	1.	1.	.02		
ROUTED TO									
+	NB5SWP	1.	19.00	1.	0.	0.	.02		
+								68.14	19.00
HYDROGRAPH AT									
+	NB4	34.	12.50	9.	3.	3.	.04		
4 COMBINED AT									
+	NB2345	266.	12.75	163.	51.	51.	1.08		
ROUTED TO									
+	NB4CHL	145.	16.50	126.	48.	48.	1.08		
+								92.33	16.50
HYDROGRAPH AT									
+	HP3A	33.	12.75	9.	3.	3.	.04		
HYDROGRAPH AT									
	5DSWP	41.	14.00	40.	19.	19.	.26		
2 COMBINED AT									
+	HP3A45	68.	12.75	47.	22.	22.	.30		
ROUTED TO									
+	HP3ASP	11.	24.00	10.	5.	5.	.30		
+								73.61	24.00
HYDROGRAPH AT									
+	HP3B	16.	12.25	3.	1.	1.	.01		
2 COMBINED AT									
+	HP3AB4	19.	12.25	11.	5.	5.	.31		
ROUTED TO									
+	HP3BCH	19.	12.50	11.	5.	5.	.31		
+								68.53	12.50
HYDROGRAPH AT									
+	SB5	20.	12.50	5.	1.	1.	.01		
ROUTED TO									
+	SB5SWP	5.	13.25	4.	1.	1.	.01		
+								63.09	13.25
HYDROGRAPH AT									
+	CW1	16.	12.25	3.	1.	1.	.01		
4 COMBINED AT									
+	HP3NB4	159.	16.50	140.	55.	55.	1.42		
ROUTED TO									
+	CW1CHL	159.	16.50	140.	55.	55.	1.42		

+								68.87	16.50
	HYDROGRAPH AT								
+		CW2	53.	12.25	9.	3.	3.	.03	
	2 COMBINED AT								
+		CW2IN	161.	16.50	143.	58.	58.	1.44	
	ROUTED TO								
+		CW2CH	161.	16.50	143.	58.	58.	1.44	
+								67.79	16.50
	HYDROGRAPH AT								
+		SB3&4	35.	12.25	5.	2.	2.	.02	
	ROUTED TO								
+		SB34PD	17.	12.50	4.	1.	1.	.02	
+								66.23	12.50
	2 COMBINED AT								
+		C2SB34	163.	16.50	145.	60.	60.	1.46	
	ROUTED TO								
+		SB34CH	163.	16.75	145.	59.	59.	1.46	
+								68.34	16.75
	ROUTED TO								
+		HB4BCL	163.	16.75	145.	59.	59.	1.46	
+								66.27	16.75
	HYDROGRAPH AT								
+		SB7	13.	12.50	3.	1.	1.	.01	
	HYDROGRAPH AT								
+		SB6	4.	12.25	1.	0.	0.	.00	
	2 COMBINED AT								
+		SB67	17.	12.50	4.	1.	1.	.02	
	ROUTED TO								
+		SB7CH	18.	12.50	4.	1.	1.	.02	
+								68.31	12.50
	HYDROGRAPH AT								
+		SB1	62.	12.25	10.	3.	3.	.03	
	HYDROGRAPH AT								
+		SB2	26.	12.25	4.	1.	1.	.01	
	4 COMBINED AT								
+		SB1267	191.	12.25	156.	65.	65.	1.52	
	HYDROGRAPH AT								
+		8CSWP	445.	13.00	274.	97.	97.	1.43	
	2 COMBINED AT								
+		CW2&PP	596.	12.75	430.	162.	162.	2.95	
	ROUTED TO								
+		PHPND	358.	17.50	326.	136.	136.	2.95	
+								68.34	17.50
	HYDROGRAPH AT								
+		HP4	13.	12.50	3.	1.	1.	.01	
	ROUTED TO								

+	HP4SWP	8.	13.00	3.	1.	1.	.01		
+								70.13	13.00
HYDROGRAPH AT									
	HP5	24.	12.25	4.	1.	1.	.01		
2 COMBINED AT									
+	HP45	27.	12.25	7.	2.	2.	.03		
ROUTED TO									
+	HP5SWP	24.	12.50	7.	2.	2.	.03		
+								70.09	12.50
HYDROGRAPH AT									
+	HB3A	27.	12.50	6.	2.	2.	.02		
HYDROGRAPH AT									
+	HB3B	21.	12.25	3.	1.	1.	.01		
2 COMBINED AT									
+	HB3AB	47.	12.25	9.	3.	3.	.03		
ROUTED TO									
+	HB3BSP	31.	12.50	9.	3.	3.	.03		
+								69.99	12.50
HYDROGRAPH AT									
+	HB3C	11.	12.50	2.	1.	1.	.01		
2 COMBINED AT									
+	HB3ABC	42.	12.50	12.	3.	3.	.04		
ROUTED TO									
	CRMLGN	27.	13.00	8.	2.	2.	.04		
+								63.43	13.00
HYDROGRAPH AT									
+	HB4A	30.	12.50	7.	2.	2.	.02		
3 COMBINED AT									
+	SHD10	57.	12.75	22.	7.	7.	.09		
ROUTED TO									
+	SHD10C	57.	13.00	22.	7.	7.	.09		
+								55.18	13.00
HYDROGRAPH AT									
+	HB4B	104.	12.50	24.	8.	8.	.07		
HYDROGRAPH AT									
+	4DCHAB	85.	12.50	27.	11.	11.	.26		
HYDROGRAPH AT									
+	HB1AN	10.	12.50	2.	1.	1.	.01		
2 COMBINED AT									
+	HB1APX	95.	12.50	29.	12.	12.	.27		
ROUTED TO									
+	PXDPR	57.	13.00	29.	12.	12.	.27		
								71.73	13.00
HYDROGRAPH AT									
+	4ECHL	75.	12.25	53.	17.	17.	.30		
HYDROGRAPH AT									

+	HB1B	28.	12.50	6.	2.	2.	.02		
2 COMBINED AT									
+	4EHB1B	103.	12.50	59.	19.	19.	.32		
ROUTED TO									
+	EWCLPX	103.	12.50	59.	19.	19.	.32		
+								67.19	12.50
HYDROGRAPH AT									
+	HB1AS	8.	12.50	2.	1.	1.	.01		
3 COMBINED AT									
+	HB1PX	161.	12.50	89.	32.	32.	.59		
ROUTED TO									
+	HB1CH	158.	12.75	89.	35.	35.	.59		
+								78.84	12.75
HYDROGRAPH AT									
+	DIHBCH	110.	12.25	80.	32.	32.	.66		
HYDROGRAPH AT									
+	HB2A	25.	12.50	6.	2.	2.	.02		
2 COMBINED AT									
+	HB12A	135.	12.50	86.	34.	34.	.68		
ROUTED TO									
+	HB2ASP	127.	13.00	85.	33.	33.	.68		
+								61.62	13.00
HYDROGRAPH AT									
+	HB2B	14.	12.50	3.	1.	1.	.01		

*** NORMAL END OF HEC-1 ***

HEC-1

50 Year, 24 Hour Storm

1

****

FLOOD HYDROGRAPH PACKAGE HEC-1 (IBM XT 512K VERSION) -FEB 1,1985
U.S. ARMY CORPS OF ENGINEERS, THE HYDROLOGIC ENGINEERING CENTER, 609 SECOND STREET, DAVIS, CA. 95616

****

THIS HEC-1 VERSION CONTAINS ALL OPTIONS EXCEPT ECONOMICS, AND THE NUMBER OF PLANS ARE REDUCED TO 3

1

HEC-1 INPUT

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  1           ID        ISRT, WOBURN, MASSACHUSETTS
  2           ID        ON-SITE SUBWATERSHEDS
  3           ID        DETAILED STORAGE AND STREAM NETWORK
  4           ID        EXISTING CONDITIONS - 50 YR, 24 HR STORM
              *DIAGRAM
  5           IT      15 28FEB91     100      97
  6           IN      15 28FEB91     100
  7           IO       5

  8           KK      5E
  9           KO       1
 10           KM        DIRECT INPUT HYDROGRAPH FOR FLOW FROM 5E
 11           BA    0.07
 12           QI       0       0       0       0       0       0       0       0       0       0
 13           QI       0       0       0       0       0       0       0       0       0       0
 14           QI       0       0       0       0       0       0       0       0       0       0
 15           QI       0       0       0       0       0       0       1       1       1       2
 16           QI       2       3       3       4       4       5       7      10      20      50
 17           QI      77      65      42      28      19      15      13      12      11      10
 18           QI      10       9       8       8       7       7       6       6       6       6
 19           QI       5       5       5       5       4       3       3       3       3       3
 20           QI       3       3       3       3       2       2       2       2       2       2
 21           QI       2       2       2       2       2       2       2

 22           KK   6CSWP
 23           KO       1
 24           KM        DIRECT INPUT HYDROGRAPH FOR FLOW FROM READING, UNDER RTE 93
 25           BA    0.93
 26           QI       0       0       0       0       0       0       0       0       0       0
 27           QI       0       0       0       0       0       0       0       0       0       0
 28           QI       0       0       0       0       0       0       0       0       0       0
 29           QI       0       0       0       0       0       0       0       1       2       4
 30           QI       6       9      12      16      20      27      36      52      89     130
 31           QI     155     167     172     175     176     177     177     177     177     176
 32           QI     176     175     174     172     170     168     166     164     160     156
 33           QI     151     144     132     121      85      54      50      46      44      41
 34           QI      40      38      37      36      36      35      34      34      33      33
 35           QI      32      32      31      31      31      30      30

 36           KK     NB1
 37           KO       1
 38           KM        SCS RUNOFF CALCULATION
 39           BA   0.015
 40           PH             0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
 41           LS            78
 42           UD    0.44
```

```
 43          KK   6CNB1
 44          KM        COMBINE HYDROGRAPHS FOR 5E, 6CSWP AND NB1
 45          HC       3
1                                        HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


 46          KK  NB1CHL
 47          KO       1
 48          KM        STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL
 49          RS       1    STOR       0
 50          RC    0.08    0.03    0.08     400  0.0063    69.5
 51          RX       0       5      10      11      17      18      23      28
 52          RY    70.5      70    69.5    67.5    67.5    69.5      70    70.5

 53          KK     NB2
 54          KO       1
 55          KM        SCS RUNOFF CALCULATION
 56          BA   0.009
 57          PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
 58          LS             70
 59          UD    0.49

 60          KK  NB1NB2
 61          KM        COMBINE HYDROGRAPHS FOR NB1CHL & NB2
 62          HC       2

 63          KK  NB2CHL
 64          KO       1
 65          KM        STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL
 66          RS       1    STOR       0
 67          RC   0.080   0.030   0.080     500   0.003      66
 68          RX       0       5      10      11      17      18      23      28
 69          RY      67    66.5      66      64      64      66    66.5      67

 70          KK     NB3
 71          KO       1
 72          KM        SCS RUNOFF CALCULATION
 73          BA   0.004
 74          PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
 75          LS             70
 76          UD    0.34

 77          KK  NB3CHL
 78          KO       1
 79          KM        STORAGE ROUTING THROUGH RTE 93 E/W CHANNEL
 80          RS       1    STOR       0
 81          RC   0.080   0.030   0.080     430   0.007      67
 82          RX       0       5      10      11      14      15      20      25
 83          RY      68    67.5      67      66      66      67    67.5      68

 84          KK     NB5
 85          KO       1
 86          KM        SCS RUNOFF CALCULATION
 87          BA   0.017
 88          PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
 89          LS             79
 90          UD    0.32
1                                        HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


 91          KK  NB5SWP
 92          KO       1
```

```
 93          KM        ROUTING THROUGH WETLAND 3B
 94          RS       1    ELEV    66.5
 95          SA   1.084   1.586   3.737
 96          SE    66.5    67.2    68.2
 97          SS    68.1      30     3.0     1.5

 98          KK     NB4
 99          KO       1
100          KM        SCS RUNOFF CALCULATION
101          BA   0.036
102          PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
103          LS             78
104          UD    0.45

105          KK  NB2345
106          KM        COMBINE HYDROGRAPHS FOR NB2CHL, NB3CHL, NB5SWP & NB4
107          HC       4

108          KK  NB4CHL
109          KO       1
110          KM        STORAGE ROUTING THROUGH NORTH BRANCH TO COMMERCE WAY
111          RS       1    ELEV    61.6
112          SA       0   0.514   0.743   0.912   1.300
113          SE    61.6      64    64.5      65      66
114          SL    62.6    3.14     0.6     0.5
115          SS    64.9       0     3.0     1.5

116          KK    HP3A
117          KO       1
118          KM        SCS RUNOFF CALCULATION
119          BA   0.035
120          PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
121          LS             80
122          UD    0.50

123          KK   5DSWP
124          KO       1
125          KM        DIRECT INPUT OF HYDROGRAPH FROM UPPER SOUTH POND
126          BA   0.262
127          QI       0       0       0       0       0       0       0       0       0       0
128          QI       0       0       0       0       0       1       1       2       2       2
129          QI       3       3       3       3       3       3       3       4       4       4
130          QI       4       4       4       4       4       5       5       5       6       6
131          QI       7       7       8       8       9      10      12      13      16      21
132          QI      31      38      41      43      45      47      48      48      48      49
133          QI      49      49      49      48      48      48      48      47      47      47
134          QI      46      46      46      45      45      44      44      44      43      43
135          QI      42      42      41      41      40      40      39      39      38      38
136          QI      37      37      36      36      35      34      32
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

137          KK  HP3A45
138          KM        COMBINE HYDROGRAPHS FOR 5DSWP & HP3A
139          HC       2

140          KK  HP3ASP
141          KO       1
142          KM        ROUTING THROUGH E/W HIDE PILE WETLAND
143          RS       1    ELEV    69.4
144          SA   1.885   3.173   7.358
145          SE      69      70    71.5
146          SL    70.2    1.23     0.6     0.5
147          SS    74.2       0     3.0     1.5
```

```
148        KK    HP3B
149        KO       1
150        KM        SCS RUNOFF CALCULATION
151        BA   0.013
152        PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
153        LS             76
154        UD    0.19

155        KK  HP3AB4
156        KM        COMBINE HYDROGRAPHS FOR HP3ASP & HP3B
157        HC       2

158        KK  HP3BCH
159        KO       1
160        KM        STORAGE ROUTING THROUGH HP3B CHANNEL
161        RS       1    STOR       0
162        RC    0.08    0.03    0.08     600  0.0013      74
163        RX       0       5      10      15      20      25      30      35
164        RY      74      73      72      67      67      72      73      74

165        KK     SB5
166        KO       1
167        KM        SCS RUNOFF CALCULATION
168        BA   0.015
169        PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
170        LS             85
171        UD    0.26

172        KK  SB5SWP
173        KO       1
174        KM        STORAGE ROUTING THROUGH WETLAND 3C
175        RS       1    ELEV    62.4
176        SA   1.020   2.247   3.131   3.834
177        SE      62      63      64    65.0
178        SL    62.4    1.23     0.6     0.5
179        SS    64.9      30     3.0     1.5
1                                        HEC-1 INPUT

LINE       ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


180        KK     CW1
181        KO       1
182        KM        SCS RUNOFF CALCULATION
183        BA   0.011
184        PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
185        LS             80
186        UD    0.17

187        KK  HP3NB4
188        KM        COMBINE HYDROGRAPHS FOR HP3B & NB4 CHANNELS, SB5SWP & CW1
189        HC       4

190        KK  CW1CHL
191        KO       1
192        KM        STORAGE ROUTING THROUGH CW1 CHANNEL
193        RS       1    ELEV      61
194        SA       0   0.017   0.135   0.214   0.260
195        SE      61      63      64      65      66
196        SL    62.6   12.57     0.6     0.5
197        SS    65.9       0     3.0     1.5

198        KK     CW2
199        KO       1
200        KM        SCS RUNOFF CALCULATION
```

```
BA   0.026
PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
LS             92
UD    0.16

KK   CW2IN
KM        COMBINE HYDROGRAPHS FOR INFLOW TO CW2 AND CW2 RUNOFF
HC       2

KK   CW2CH
KO       1
KM        STORAGE ROUTINGTHROUGH CW2 CHANNEL
RS       1    ELEV    59.9
SA       0    .082    .129    .178    .225    .241
SE    59.9      61      63      65      67    67.7
SL    61.8   12.57     0.6     0.5
SS    67.5      30     3.0     1.5

KK   SB3&4
KO       1
KM        SCS RUNOFF CALCULATION - SB3 & SB4
BA   0.017
PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
LS             87
UD    0.07
```

1 HEC-1 INPUT

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LINE      ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


KK  SB34PD
KO       1
KM        STORAGE ROUTING THROUGH SB3 & SB4
RS       1    ELEV    59.1
SA    .228    .484   1.708
SE    63.5    65.7      66
SS    65.9      40     3.0     1.5

KK  C2SB34
KM        COMBINE HYDROGRAPHS FOR CW2 CHANNEL & SB34POND
HC       2

KK  SB34CH
KO       1
KM        STORAGE ROUTING THROUGH COMMERCE WAY at SB34
RS       1    ELEV    59.1
SA       0    .033   0.064    .095    .123
SE    59.1      60      62      64      66
SL    61.4   12.57     0.6     0.5
SS    65.9       0     3.0     1.5

KK  HB4BCL
KO       1
KM        STORAGE ROUTING THROUGH COMMERCE WAY AT HB4B
RS       1    ELEV    57.8
SA       0    .047    .067    .088    .110    .128
SE    57.8      59      61      63      65    66.8
SL      59   12.57     0.6     0.5
SS    66.7       0     3.0     1.5

KK     SB7
KO       1
KM        SCS RUNOFF CALCULATION
BA   0.014
PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
LS             73
```

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255          UD    0.25

256          KK     SB6
257          KO       1
258          KM        SCS RUNOFF CALCULATION
259          BA   0.004
260          PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
261          LS             73
262          UD    0.21

263          KK    SB67
264          KM        COMBINE HYDROGRAPHS FOR SB6 & SB7
265          HC       2
1                                        HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


266          KK   SB7CH
267          KO       1
268          KM        STORAGE ROUTING THROUGH SB7 CHANNEL
269          RS       1    STOR       0
270          RC    0.08    0.03    0.08     900   0.002      70
271          RX       0       5      10      13      18      21      26      31
272          RY      71    70.5      70      67      67      70    70.5      71

273          KK     SB1
274          KO       1
275          KM        SCS RUNOFF CALCULATION
276          BA   0.032
277          PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
278          LS             88
279          UD    0.15

280          KK     SB2
281          KO       1
282          KM        SCS RUNOFF CALCULATION
283          BA   0.011
284          PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
285          LS             95
286          UD    0.06

287          KK  SB1267
288          KM        COMBINE HYDROGRAPHS FOR SB1, SB2, SB7CH & SB34CH
289          HC       4

290          KK   8CSWP
291          KO       1
292          KM        DIRECT INPUT HYDROGRAPH FROM READING, UNDER RTE 93
293          BA    1.43
294          QI       0       0       0       0       0       0       0       0       1       3
295          QI       4       6       7       8       9      10      10      10      10      10
296          QI      11      11      11      11      11      11      11      11      11      11
297          QI      11      11      11      11      12      13      14      17      20      24
298          QI      28      34      40      47      56      67      81     103     146     255
299          QI     406     506     525     493     450     407     372     346     326     312
300          QI     302     295     289     283     278     273     267     260     253     246
301          QI     239     232     225     217     208     198     187     175     158     139
302          QI     123     111     101      93      87      82      79      76      74      72
303          QI      71      69      68      67      66      65      65

304          KK  CW2&PP
305          KM        COMBINE HYDROGRAPHS FOR PHILLIPS POND
306          HC       2

307          KK   PHPND
```

```
308        KO      1
309        KM       STORAGE ROUTING THROUGH PHILLIPS POND
310        RS      1    ELEV      57
311        SA  3.914   4.830   5.514   7.530   8.809  11.892
312        SE     57    59.5    60.6      62      64      66
313        SL   57.5   14.14     0.6     0.5
                                     HEC-1 INPUT

LINE       ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

314        SS   65.9      40     3.0     1.5

315        KK    HP4
316        KO      1
317        KM       SCS RUNOFF CALCULATION
318        BA  0.013
319        PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
320        LS             76
321        UD   0.34

322        KK  HP4SWP
323        KO      1
324        KM       ROUTING THROUGH DEPRESSION NEAR ARSENIC POND
325        RS      1    ELEV    69.9
326        SA  0.334   0.632   1.897
327        SE     68      69      70
328        SS   69.9      30     3.0     1.5

329        KK    HP5
330        KO      1
331        KM       SCS RUNOFF CALCULATION
332        BA  0.015
333        PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
334        LS             84
335        UD   0.19

336        KK   HP45
337        KM       COMBINE HYDROGRAPH FOR HP4SWP & HP5
338        HC      2

339        KK  HP5SWP
340        KO      1
341        KM       STORAGE ROUTING THROUGH DEPRESSION
342        RS      1    ELEV      68
343        SA      0   0.304
344        SE     68      69
345        SS   68.9      15     3.0     1.5

346        KK   HB3A
347        KO      1
348        KM       SCS RUNOFF CALCULATION
349        BA   0.02
350        PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
351        LS             85
352        UD   0.26

353        KK   HB3B
354        KO      1
355        KM       SCS RUNOFF CALCULATION
356        BA   0.01
357        PH              0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
358        LS             88
359        UD   0.10
1                                    HEC-1 INPUT

LINE       ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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```
360          KK   HB3AB
361          KM        COMBINE HYDROGRAPHS FOR HB3A & HB3B
362          HC       2

363          KK  HB3BSP
364          KO       1
365          KM        STORAGE ROUTING THROUGH HB3B DEPRESSION
366          RS       1    ELEV    68.8
367          SA       0   0.745   1.868
368          SE    68.8    69.2    69.5
369          SS    69.4      40     3.0     1.5

370          KK    HB3C
371          KO       1
372          KM        SCS RUNOFF CALCULATION
373          BA    0.01
374          PH               0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
375          LS              76
376          UD    0.28

377          KK  HB3ABC
378          KM        COMBINE HYDROGRAPHS FOR HB3B DEPRESSION & HB3C
379          HC       2

380          KK  CRMLGN
381          KO       1
382          KM        STORAGE ROUTING THROUGH CHROMIUM LAGOONS
383          RS       1    ELEV      60
384          SA   0.298   0.425   0.735   1.211
385          SE      59    60.2      62      63
386          SS    62.9      40     3.0     1.5

387          KK    HB4A
388          KO       1
389          KM        SCS RUNOFF CALCULATION
390          BA   0.023
391          PH               0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
392          LS              84
393          UD    0.25

394          KK   SHD10
395          KM        COMBINE HYDROGRAPHS FOR HB4A, HP5SWP & CHROMIUM LAGOONS
396          HC       3

397          KK  SHD10C
398          KO       1
399          KM        STORAGE ROUTING THROUGH ATLANTIC AVENUE CHANNEL at RR TRACKS
400          RS       1    STOR       0
401          RC    0.08    0.03    0.08     800   0.007      63
402          RX       0      10      20      28      42      50      60      70
403          RY      63    62.5      62    54.2    54.2      62    62.5      63
1                                          HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


404          KK    HB4B
405          KO       1
406          KM        SCS RUNOFF CALCULATION
407          BA   0.066
408          PH               0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
409          LS              93
410          UD    0.32
```

```
411        KK  4DCHAB
412        KO      1
413        KM       DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON
414        BA  0.259
415        QI      0      0      0      0      0      0      0      0      0      0
416        QI      0      0      0      0      0      0      0      0      0      0
417        QI      0      0      0      0      0      0      0      0      0      0
418        QI      0      0      0      0      0      1      1      1      2      2
419        QI      2      3      4      5      6      8     10     15     30     78
420        QI    107     78     51     38     31     28     26     24     24     23
421        QI     23     23     23     23     23     23     23     23     23     23
422        QI     23     23     23     23     22     22     22     22     21     21
423        QI     21     21     21     21     21     21     21     21     21     21
424        QI     20     20     20     20     20     20     19

425        KK   HB1AN
426        KO      1
427        KM       SCS RUNOFF CALCULATION
428        BA  0.008
429        PH             0    0.6    1.3    2.4    3.0    3.4    4.2    5.2    6.0
430        LS            81
431        UD   0.28

432        KK  HB1APX
433        KM       COMBINE HYDROGRAPHS FROM 4DCHAB & HB1AN
434        HC      2

435        KK   PXDPR
436        KO      1
437        KM       ROUTING OF NW WOBURN & WILMINGTON THROUGH PX DEPRESSED AREA
438        RS      1   ELEV   67.4
439        SA      0  0.291  0.721  0.936  0.936
440        SE     68     69     70     71   72.4
441        SL   68.9   7.07    0.6    0.5
442        SS   72.3     30    3.0    1.5

443        KK   4ECHL
444        KO      1
445        KM       DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON
446        BA   0.30
447        QI      0      0      0      0      0      0      0      0      0      0
448        QI      0      0      0      0      0      0      0      0      0      0
449        QI      0      0      0      0      0      0      0      0      0      0
450        QI      0      0      0      0      1      3      4      5      6      8
451        QI     10     12     14     18     22     28     37     48     69     75
452        QI     75     75     75     75     75     75     75     75     75     75
```



```
LINE       ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

453        QI     75     75     70     57     44     31     29     28     27     26
454        QI     25     24     23     21     18     15     14     14     13     13
455        QI     12     12     12     11     11     11     11     11     10     10
456        QI     10     10     10      9      9      9      9

457        KK    HB1B
458        KO      1
459        KM       SCS RUNOFF CALCULATION
460        BA  0.021
461        PH             0    0.6    1.3    2.4    3.0    3.4    4.2    5.2    6.0
462        LS            84
463        UD   0.31

464        KK  4EHB1B
465        KM       COMBINE HYDROGRAPHS FROM 4ECHL & HB1B
466        HC      2
```

```
467          KK  EWCLPX
468          KO       1
469          KM        CHANNEL ROUTING THROUGH E/W CHANNEL AT PX REALTY
470          RS       1    STOR       0
471          RC   0.080   0.030   0.080     250  0.0032    70.5
472          RX       0       5      10      16      22      28      38      48
473          RY      72      71      70    64.4    64.4      70    70.2    70.5

474          KK   HB1AS
475          KO       1
476          KM
477          BA   0.006
478          PH               0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
479          LS              90
480          UD    0.47

481          KK   HB1AS
482          KM        COMBINE HYDROGRAPHS FROM PX DEPRESSED AREA, EWCHPX & HB1AS
483          HC       3

484          KK   HB1CH
485          KO       1
486          KM        STORAGE ROUTING THROUGH N/S CHANNEL at PX REALTY
487          RS       1    ELEV    66.4
488          SA       0   0.016   0.019   0.033   0.041   0.066   0.074
489          SE    66.4    66.5      67    67.5      68      69    69.4
490          SL   59.65    7.07     0.6     0.5
491          SS    69.3       0     3.0     1.5

492          KK  DIHBCH
493          KO       1
494          KM        DIRECT INPUT OF HYDROGRAPH FROM HB1CH (MODIFIED PEAK)
495          BA     .66
496          QI       0       6       6       6       6       6       6       6       6       6
497          QI       6       6       6       6       6       6       6       6       6       6
498          QI       6       6       6       6       6       6       6       6       6       6
499          QI       6       6       6       6       6       6       6       6      10      12
500          QI      14      17      21      26      32      40      52      67      98     110
1                                                HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

501          QI     110     110     110     110     110     110     110     110     110     110
502          QI     106     104     101      89      70      61      53      57      52      54
503          QI      50      51      48      48      43      40      38      38      36      36
504          QI      35      35      35      34      33      34      33      33      32      32
505          QI      32      31      31      30      30      30      30

506          KK    HB2A
507          KO       1
508          KM        SCS RUNOFF CALCULATION
509          BA   0.020
510          PH               0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
511          LS              86
512          UD    0.41

513          KK   HB12A
514          KM        COMBINE HYDROGRAPHS FROM  DIHBCH & HB2A
515          HC       2

516          KK  HB2ASP
517          KO       1
518          KM        STORAGE ROUTING THROUGH WET AREA IN B.E. ROW
519          RS       1    ELEV      59
520          SA   0.801   1.178   1.929
```

```
        521          SE    59.3      60      62
        522          SS      59      10     3.0     1.5

        523          KK    HB2B
        524          KO       1
        525          KM        SCS RUNOFF CALCULATION
        526          BA   0.013
        527          PH               0     0.6     1.3     2.4     3.0     3.4     4.2     5.2     6.0
        528          LS              77
        529          UD    0.24
        530          ZZ
1
              SCHEMATIC DIAGRAM OF STREAM NETWORK
 INPUT
  LINE     (V) ROUTING          (--->) DIVERSION OR PUMP FLOW

   NO.     (.) CONNECTOR        (<---) RETURN OF DIVERTED OR PUMPED FLOW

     8         5E
               .
               .
    22         .       6CSWP
               .           .
               .           .
    36         .           .         NB1
               .           .           .
               .           .           .
    43      6CNB1.........................
               V
               V
    46      NB1CHL
               .
               .
     3         .         NB2
               .           .
               .           .
    60      NB1NB2............
               V
               V
    63      NB2CHL
               .
               .
    70         .         NB3
               .           V
               .           V
    77         .      NB3CHL
               .           .
               .           .
    84         .           .         NB5
               .           .           V
               .           .           V
    91         .           .      NB5SWP
               .           .           .
               .           .           .
    98         .           .           .         NB4
               .           .           .           .
               .           .           .           .
   105      NB2345.....................................
               V
               V
   108      NB4CHL
               .
               .
   116         .        HP3A
               .           .
               .           .
```

```
123          .           .       5DSWP
             .           .           .
             .           .           .
137          .      HP3A45............
             .           V
             .           V
140          .      HP3ASP
             .           .
             .           .
148          .           .        HP3B
             .           .           .
             .           .           .
155          .      HP3AB4............
             .           V
             .           V
158          .      HP3BCH
             .           .
             .           .
165          .           .         SB5
             .           .           V
             .           .           V
172          .           .      SB5SWP
             .           .           .
             .           .           .
180          .           .           .         CW1
             .           .           .           .
             .           .           .           .
187     HP3NB4.................................
             V
             V
190     CW1CHL
             .
             .
198          .         CW2
             .           .
             .           .
205      CW2IN............
             V
             V
208      CW2CH
             .
             .
216          .       SB3&4
             .           V
             .           V
223          .      SB34PD
             .           .
             .           .
230     C2SB34............
             V
             V
233     SB34CH
             V
             V
241     HB4BCL
             .
             .
249          .         SB7
             .           .
             .           .
256          .           .         SB6
             .           .           .
             .           .           .
263          .        SB67............
             .           V
             .           V
```

```
266          .       SB7CH
             .         .
             .         .
273          .         .         SB1
             .         .           .
             .         .           .
280          .         .           .         SB2
             .         .           .           .
             .         .           .           .
287     SB1267.................................
             .
             .
290          .       8CSWP
             .         .
             .         .
304     CW2&PP............
             V
             V
307      PHPND
             .
             .
315          .         HP4
             .          V
             .          V
322          .      HP4SWP
             .         .
             .         .
329          .         .         HP5
             .         .           .
             .         .           .
336          .        HP45............
             .          V
             .          V
  9          .      HP5SWP
             .         .
             .         .
346          .         .        HB3A
             .         .           .
             .         .           .
353          .         .           .        HB3B
             .         .           .           .
             .         .           .           .
360          .         .       HB3AB............
             .         .           V
             .         .           V
363          .         .      HB3BSP
             .         .           .
             .         .           .
370          .         .           .        HB3C
             .         .           .           .
             .         .           .           .
377          .         .      HB3ABC............
             .         .           V
             .         .           V
380          .         .      CRMLGN
             .         .           .
             .         .           .
387          .         .           .        HB4A
             .         .           .           .
             .         .           .           .
394          .       SHD10........................
             .          V
             .          V
397          .      SHD10C
             .         .
             .         .
```

```
404          .          .        HB4B
             .          .          .
             .          .          .
411          .          .          .     4DCHAB
             .          .          .          .
             .          .          .          .
425          .          .          .          .       HB1AN
             .          .          .          .          .
             .          .          .          .          .
432          .          .          .     HB1APX............
             .          .          .          V
             .          .          .          V
435          .          .          .      PXDPR
             .          .          .          .
             .          .          .          .
443          .          .          .          .       4ECHL
             .          .          .          .          .
             .          .          .          .          .
457          .          .          .          .          .        HB1B
             .          .          .          .          .          .
             .          .          .          .          .          .
464          .          .          .          .     4EHB1B............
             .          .          .          .          V
             .          .          .          .          V
467          .          .          .          .     EWCLPX
             .          .          .          .          .
             .          .          .          .          .
474          .          .          .          .          .      HB1AS
             .          .          .          .          .          .
             .          .          .          .          .          .
481          .          .          .      HB1AS........................
             .          .          .          V
             .          .          .          V
484          .          .          .      HB1CH
             .          .          .          .
             .          .          .          .
492          .          .          .          .     DIHBCH
             .          .          .          .          .
             .          .          .          .          .
506          .          .          .          .          .        HB2A
             .          .          .          .          .          .
             .          .          .          .          .          .
513          .          .          .          .      HB12A............
             .          .          .          .          V
             .          .          .          .          V
516          .          .          .          .     HB2ASP
             .          .          .          .          .
             .          .          .          .          .
523          .          .          .          .          .        HB2B
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1                                                  ****
                    FLOOD HYDROGRAPH PACKAGE HEC-1 (IBM XT 512K VERSION) -FEB 1,1985
          U.S. ARMY CORPS OF ENGINEERS, THE HYDROLOGIC ENGINEERING CENTER, 609 SECOND STREET, DAVIS, CA. 95616
                                                  ****
```

ISRT, WOBURN, MASSACHUSETTS
ON-SITE SUBWATERSHEDS
DETAILED STORAGE AND STREAM NETWORK
EXISTING CONDITIONS - 50 YR, 24 HR STORM

```
  7 IO        OUTPUT CONTROL VARIABLES
                IPRNT          5  PRINT CONTROL
```

```
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE

   IT        HYDROGRAPH TIME DATA
                 NMIN         15  MINUTES IN COMPUTATION INTERVAL
                IDATE    28FEB91  STARTING DATE
                ITIME       0100  STARTING TIME
                   NQ         97  NUMBER OF HYDROGRAPH ORDINATES
               NDDATE     1MAR91  ENDING DATE
               NDTIME       0100  ENDING TIME

            COMPUTATION INTERVAL     .25 HOURS
                 TOTAL TIME BASE   24.00 HOURS

      ENGLISH UNITS


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


         **************
         *            *
  8 KK   *       5E   *
         *            *
         **************

  9 KO        OUTPUT CONTROL VARIABLES
                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        DIRECT INPUT HYDROGRAPH FOR FLOW FROM 5E

  IN          TIME DATA FOR INPUT TIME SERIES
                JXMIN         15  TIME INTERVAL IN MINUTES
               JXDATE    28FEB91  STARTING DATE
               JXTIME        100  STARTING TIME

           SUBBASIN RUNOFF DATA

 11 BA        SUBBASIN CHARACTERISTICS
                TAREA        .07  SUBBASIN AREA

                                                    ***

*****************************************************************************************************************************

                                        HYDROGRAPH AT STATION      5E

*****************************************************************************************************************************
                                 *                                 *                                 *
  DA MON HRMN  ORD      FLOW     *  DA MON HRMN  ORD      FLOW     *  DA MON HRMN  ORD      FLOW     *  DA MON HRMN  ORD      FLOW
                                 *                                 *                                 *
  28 FEB 0100    1        0.     *  28 FEB 0715   26        0.     *  28 FEB 1330   51       77.     *  28 FEB 1945   76        3.
  28 FEB 0115    2        0.     *  28 FEB 0730   27        0.     *  28 FEB 1345   52       65.     *  28 FEB 2000   77        3.
  28 FEB 0130    3        0.     *  28 FEB 0745   28        0.     *  28 FEB 1400   53       42.     *  28 FEB 2015   78        3.
  28 FEB 0145    4        0.     *  28 FEB 0800   29        0.     *  28 FEB 1415   54       28.     *  28 FEB 2030   79        3.
  28 FEB 0200    5        0.     *  28 FEB 0815   30        0.     *  28 FEB 1430   55       19.     *  28 FEB 2045   80        3.
  28 FEB 0215    6        0.     *  28 FEB 0830   31        0.     *  28 FEB 1445   56       15.     *  28 FEB 2100   81        3.
  28 FEB 0230    7        0.     *  28 FEB 0845   32        0.     *  28 FEB 1500   57       13.     *  28 FEB 2115   82        3.
  28 FEB 0245    8        0.     *  28 FEB 0900   33        0.     *  28 FEB 1515   58       12.     *  28 FEB 2130   83        3.
  28 FEB 0300    9        0.     *  28 FEB 0915   34        0.     *  28 FEB 1530   59       11.     *  28 FEB 2145   84        3.
  28 FEB 0315   10        0.     *  28 FEB 0930   35        0.     *  28 FEB 1545   60       10.     *  28 FEB 2200   85        2.
  28 FEB 0330   11        0.     *  28 FEB 0945   36        0.     *  28 FEB 1600   61       10.     *  28 FEB 2215   86        2.
  28 FEB 0345   12        0.     *  28 FEB 1000   37        1.     *  28 FEB 1615   62        9.     *  28 FEB 2230   87        2.
  28 FEB 0400   13        0.     *  28 FEB 1015   38        1.     *  28 FEB 1630   63        8.     *  28 FEB 2245   88        2.
```

28 FEB 0415	14	0.	*	28 FEB 1030	39	1.	*	28 FEB 1645	64	8.	*	28 FEB 2300	89	2.
28 FEB 0430	15	0.	*	28 FEB 1045	40	2.	*	28 FEB 1700	65	7.	*	28 FEB 2315	90	2.
28 FEB 0445	16	0.	*	28 FEB 1100	41	2.	*	28 FEB 1715	66	7.	*	28 FEB 2330	91	2.
28 FEB 0500	17	0.	*	28 FEB 1115	42	3.	*	28 FEB 1730	67	6.	*	28 FEB 2345	92	2.
28 FEB 0515	18	0.	*	28 FEB 1130	43	3.	*	28 FEB 1745	68	6.	*	1 MAR 0000	93	2
28 FEB 0530	19	0.	*	28 FEB 1145	44	4.	*	28 FEB 1800	69	6.	*	1 MAR 0015	94	2.
28 FEB 0545	20	0.	*	28 FEB 1200	45	4.	*	28 FEB 1815	70	6.	*	1 MAR 0030	95	2.
28 FEB 0600	21	0.	*	28 FEB 1215	46	5.	*	28 FEB 1830	71	5.	*	1 MAR 0045	96	2.
28 FEB 0615	22	0.	*	28 FEB 1230	47	7.	*	28 FEB 1845	72	5.	*	1 MAR 0100	97	2.
28 FEB 0630	23	0.	*	28 FEB 1245	48	10.	*	28 FEB 1900	73	5.	*			
28 FEB 0645	24	0.	*	28 FEB 1300	49	20.	*	28 FEB 1915	74	5.	*			
28 FEB 0700	25	0.	*	28 FEB 1315	50	50.	*	28 FEB 1930	75	4.	*			
			*				*				*			

****

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 77.	12.50		19.	6.	6.	6.
		(INCHES)	2.499	3.066	3.066	3.066
		(AC-FT)	9.	11.	11.	11.

CUMULATIVE AREA = .07 SQ MI

*** ***

```
          **************
          *            *
 22 KK    *     6CSWP  *
          *            *
          **************

 23 KO          OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                            DIRECT INPUT HYDROGRAPH FOR FLOW FROM READING, UNDER RTE 93

  6 IN          TIME DATA FOR INPUT TIME SERIES
                     JXMIN         15  TIME INTERVAL IN MINUTES
                    JXDATE    28FEB91  STARTING DATE
                    JXTIME        100  STARTING TIME

             SUBBASIN RUNOFF DATA

 25 BA          SUBBASIN CHARACTERISTICS
                     TAREA        .93  SUBBASIN AREA
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****

HYDROGRAPH AT STATION 6CSWP

****

DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	*	28 FEB 0715	26	0.	*	28 FEB 1330	51	155.	*	28 FEB 1945	76	54.
28 FEB 0115	2	0.	*	28 FEB 0730	27	0.	*	28 FEB 1345	52	167.	*	28 FEB 2000	77	50.
28 FEB 0130	3	0.	*	28 FEB 0745	28	0.	*	28 FEB 1400	53	172.	*	28 FEB 2015	78	46.

28 FEB 0145	4	0.	*	28 FEB 0800	29	0.	*	28 FEB 1415	54	175.	*	28 FEB 2030	79	44.
28 FEB 0200	5	0.	*	28 FEB 0815	30	0.	*	28 FEB 1430	55	176.	*	28 FEB 2045	80	41.
28 FEB 0215	6	0.	*	28 FEB 0830	31	0.	*	28 FEB 1445	56	177.	*	28 FEB 2100	81	40.
28 FEB 0230	7	0.	*	28 FEB 0845	32	0.	*	28 FEB 1500	57	177.	*	28 FEB 2115	82	38.
28 FEB 0245	8	0.	*	28 FEB 0900	33	0.	*	28 FEB 1515	58	177.	*	28 FEB 2130	83	37.
28 FEB 0300	9	0.	*	28 FEB 0915	34	0.	*	28 FEB 1530	59	177.	*	28 FEB 2145	84	36.
28 FEB 0315	10	0.	*	28 FEB 0930	35	0.	*	28 FEB 1545	60	176.	*	28 FEB 2200	85	36.
28 FEB 0330	11	0.	*	28 FEB 0945	36	0.	*	28 FEB 1600	61	176.	*	28 FEB 2215	86	35.
28 FEB 0345	12	0.	*	28 FEB 1000	37	0.	*	28 FEB 1615	62	175.	*	28 FEB 2230	87	34.
28 FEB 0400	13	0.	*	28 FEB 1015	38	1.	*	28 FEB 1630	63	174.	*	28 FEB 2245	88	34.
28 FEB 0415	14	0.	*	28 FEB 1030	39	2.	*	28 FEB 1645	64	172.	*	28 FEB 2300	89	33.
28 FEB 0430	15	0.	*	28 FEB 1045	40	4.	*	28 FEB 1700	65	170.	*	28 FEB 2315	90	33.
28 FEB 0445	16	0.	*	28 FEB 1100	41	6.	*	28 FEB 1715	66	168.	*	28 FEB 2330	91	32.
28 FEB 0500	17	0.	*	28 FEB 1115	42	9.	*	28 FEB 1730	67	166.	*	28 FEB 2345	92	32.
28 FEB 0515	18	0.	*	28 FEB 1130	43	12.	*	28 FEB 1745	68	164.	*	1 MAR 0000	93	31.
28 FEB 0530	19	0.	*	28 FEB 1145	44	16.	*	28 FEB 1800	69	160.	*	1 MAR 0015	94	31.
28 FEB 0545	20	0.	*	28 FEB 1200	45	20.	*	28 FEB 1815	70	156.	*	1 MAR 0030	95	31.
28 FEB 0600	21	0.	*	28 FEB 1215	46	27.	*	28 FEB 1830	71	151.	*	1 MAR 0045	96	30.
28 FEB 0615	22	0.	*	28 FEB 1230	47	36.	*	28 FEB 1845	72	144.	*	1 MAR 0100	97	30.
28 FEB 0630	23	0.	*	28 FEB 1245	48	52.	*	28 FEB 1900	73	132.	*			
28 FEB 0645	24	0.	*	28 FEB 1300	49	89.	*	28 FEB 1915	74	121.	*			
28 FEB 0700	25	0.	*	28 FEB 1315	50	130.	*	28 FEB 1930	75	85.	*			
			*				*				*			

****

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 177.	13.75		165.	55.	55.	55.
		(INCHES)	1.651	2.183	2.183	2.183
		(AC-FT)	82.	108.	108.	108.

CUMULATIVE AREA = .93 SQ MI

*** ***

```
          **************
          *            *
36 KK     *      NB1   *
          *            *
          **************
```

37 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

SCS RUNOFF CALCULATION

SUBBASIN RUNOFF DATA

39 BA SUBBASIN CHARACTERISTICS

TAREA .01 SUBBASIN AREA

PRECIPITATION DATA

40 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
.60	1.30	2.40	3.00	3.40	4.20	5.20	6.00	.00	.00	.00	.00

STORM AREA = .01

```
41 LS          SCS LOSS RATE
                    STRTL        .56  INITIAL ABSTRACTION
                   CRVNBR      78.00  CURVE NUMBER
                    RTIMP        .00  PERCENT IMPERVIOUS AREA

42 UD          SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .44  LAG

                                                    ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                              UNIT HYDROGRAPH
                                         11 END-OF-PERIOD ORDINATES
              5.      13.      11.       5.       3.       1.       1.       0.       0.       0.
              0.
```

****

HYDROGRAPH AT STATION NB1

****

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.35	.95	11.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.06	.25	18.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.03	.15	16.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.02	.11	11.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.02	.09	8.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.02	.08	6.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.01	.07	4.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.01	.06	4.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.01	.06	3.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.01	.05	3.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.01	.05	2.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	*	28 FEB 2145	84	.02	.00	.01	1.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.01	1.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.01	1.
28 FEB 1015	38	.05	.04	.01	0.	*	28 FEB 2230	87	.02	.00	.01	1.
28 FEB 1030	39	.06	.04	.01	0.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.05	.02	0.	*	28 FEB 2300	89	.02	.00	.01	1.

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28 FEB 1100   41    .07    .05    .02        1.      *     28 FEB 2315   90    .01    .00    .01        1.
28 FEB 1115   42    .07    .05    .02        1.      *     28 FEB 2330   91    .01    .00    .01        1.
28 FEB 1130   43    .08    .05    .03        1.      *     28 FEB 2345   92    .01    .00    .01        1.
28 FEB 1145   44    .09    .06    .03        1.      *      1 MAR 0000   93    .01    .00    .01        0.
28 FEB 1200   45    .10    .06    .04        1.      *      1 MAR 0015   94    .01    .00    .01        0.
28 FEB 1215   46    .13    .07    .06        1.      *      1 MAR 0030   95    .01    .00    .01        0.
28 FEB 1230   47    .16    .08    .08        2.      *      1 MAR 0045   96    .01    .00    .01        0.
28 FEB 1245   48    .25    .12    .13        3.      *      1 MAR 0100   97    .01    .00    .01        0.
28 FEB 1300   49    .54    .21    .33        5.      *
                                                     *
*****************************************************************************************************************

   TOTAL RAINFALL =    6.00, TOTAL LOSS =    2.42, TOTAL EXCESS =    3.58

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     18.     12.50                  5.          1.          1.          1.
                       (INCHES)    2.878       3.550       3.550       3.550
                        (AC-FT)      2.          3.          3.          3.

                        CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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          *            *
 6 KK     *    NB1CHL  *
          *            *
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 47 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL

              HYDROGRAPH ROUTING DATA

 49 RS          STORAGE ROUTING
                      NSTPS           1  NUMBER OF SUBREACHES
                       ITYP        STOR  TYPE OF INITIAL CONDITION
                     RSVRIC         .00  INITIAL CONDITION
                          X         .00 WORKING R AND D COEFFICIENT

 50 RC          NORMA  EPTH CHANNEL ROUTING
                        ANL        .080  LEFT OVERBANK N-VALUE
                       ANCH        .030  MAIN CHANNEL N-VALUE
                        ANR        .080  RIGHT OVERBANK N-VALUE
                      RLNTH        400.  REACH LENGTH
                        SEL       .0063  ENERGY SLOPE
                      ELMAX        69.5  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                        CROSS-SECTION DATA
                          --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
 2 RY        ELEVATION     70.50     70.00     69.50     67.50     67.50     69.50     70.00     70.50
   RX        DISTANCE        .00      5.00     10.00     11.00     17.00     18.00     23.00     28.00

                                                   ***

                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA
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STORAGE	.00	.01	.01	.02	.02	.03	.04	.04	.05	.06
OUTFLOW	.00	.55	1.72	3.36	5.38	7.74	10.40	13.36	16.58	20.05
ELEVATION	67.50	67.61	67.71	67.82	67.92	68.03	68.13	68.24	68.34	68.45
STORAGE	.06	.07	.08	.08	.09	.10	.11	.11	.12	.13
OUTFLOW	23.77	27.72	31.90	36.29	40.89	45.71	50.73	55.95	61.36	66.98
ELEVATION	68.55	68.66	68.76	68.87	68.97	69.08	69.18	69.29	69.39	69.50

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 1. TO 67.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION NB1CHL

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.0	67.5	28 FEB 0915	34	0.	.0	67.5	28 FEB 1730	67	174.	.3	71.5
28 FEB 0115	2	0.	.0	67.5	28 FEB 0930	35	0.	.0	67.5	28 FEB 1745	68	171.	.3	71.5
28 FEB 0130	3	0.	.0	67.5	28 FEB 0945	36	0.	.0	67.5	28 FEB 1800	69	168.	.3	71.4
28 FEB 0145	4	0.	.0	67.5	28 FEB 1000	37	1.	.0	67.6	28 FEB 1815	70	163.	.3	71.3
28 FEB 0200	5	0.	.0	67.5	28 FEB 1015	38	2.	.0	67.7	28 FEB 1830	71	158.	.3	71.2
28 FEB 0215	6	0.	.0	67.5	28 FEB 1030	39	3.	.0	67.8	28 FEB 1845	72	151.	.2	71.1
28 FEB 0230	7	0.	.0	67.5	28 FEB 1045	40	6.	.0	67.9	28 FEB 1900	73	139.	.2	70.9
28 FEB 0245	8	0.	.0	67.5	28 FEB 1100	41	8.	.0	68.1	28 FEB 1915	74	128.	.2	70.6
28 FEB 0300	9	0.	.0	67.5	28 FEB 1115	42	12.	.0	68.2	28 FEB 1930	75	94.	.2	70.0
28 FEB 0315	10	0.	.0	67.5	28 FEB 1130	43	16.	.0	68.3	28 FEB 1945	76	59.	.1	69
28 FEB 0330	11	0.	.0	67.5	28 FEB 1145	44	20.	.1	68.5	28 FEB 2000	77	54.	.1	[illegible]
28 FEB 0345	12	0.	.0	67.5	28 FEB 1200	45	25.	.1	68.6	28 FEB 2015	78	50.	.1	69
28 FEB 0400	13	0.	.0	67.5	28 FEB 1215	46	32.	.1	68.8	28 FEB 2030	79	48.	.1	69.1
28 FEB 0415	14	0.	.0	67.5	28 FEB 1230	47	44.	.1	69.0	28 FEB 2045	80	45.	.1	69.1
28 FEB 0430	15	0.	.0	67.5	28 FEB 1245	48	63.	.1	69.4	28 FEB 2100	81	43.	.1	69.0
28 FEB 0445	16	0.	.0	67.5	28 FEB 1300	49	109.	.2	70.3	28 FEB 2115	82	42.	.1	69.0
28 FEB 0500	17	0.	.0	67.5	28 FEB 1315	50	185.	.3	71.7	28 FEB 2130	83	40.	.1	69.0
28 FEB 0515	18	0.	.0	67.5	28 FEB 1330	51	247.	.4	72.9	28 FEB 2145	84	40.	.1	69.0
28 FEB 0530	19	0.	.0	67.5	28 FEB 1345	52	250.	.4	72.9	28 FEB 2200	85	39.	.1	68.9
28 FEB 0545	20	0.	.0	67.5	28 FEB 1400	53	226.	.3	72.5	28 FEB 2215	86	38.	.1	68.9
28 FEB 0600	21	0.	.0	67.5	28 FEB 1415	54	212.	.3	72.2	28 FEB 2230	87	37.	.1	68.9
28 FEB 0615	22	0.	.0	67.5	28 FEB 1430	55	201.	.3	72.0	28 FEB 2245	88	37.	.1	68.9
28 FEB 0630	23	0.	.0	67.5	28 FEB 1445	56	196.	.3	71.9	28 FEB 2300	89	36.	.1	68.9
28 FEB 0645	24	0.	.0	67.5	28 FEB 1500	57	194.	.3	71.9	28 FEB 2315	90	35.	.1	68.8
28 FEB 0700	25	0.	.0	67.5	28 FEB 1515	58	192.	.3	71.8	28 FEB 2330	91	35.	.1	68.8
28 FEB 0715	26	0.	.0	67.5	28 FEB 1530	59	191.	.3	71.8	28 FEB 2345	92	34.	.1	68.8
28 FEB 0730	27	0.	.0	67.5	28 FEB 1545	60	188.	.3	71.8	1 MAR 0000	93	34.	.1	68.8
28 FEB 0745	28	0.	.0	67.5	28 FEB 1600	61	188.	.3	71.8	1 MAR 0015	94	33.	.1	68.8
28 FEB 0800	29	0.	.0	67.5	28 FEB 1615	62	186.	.3	71.7	1 MAR 0030	95	34.	.1	68.8
28 FEB 0815	30	0.	.0	67.5	28 FEB 1630	63	184.	.3	71.7	1 MAR 0045	96	33.	.1	68.8
28 FEB 0830	31	0.	.0	67.5	28 FEB 1645	64	182.	.3	71.7	1 MAR 0100	97	32.	.1	68.8
28 FEB 0845	32	0.	.0	67.5	28 FEB 1700	65	179.	.3	71.6					
28 FEB 0900	33	0.	.0	67.5	28 FEB 1715	66	177.	.3	71.6					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 250.	12.75		187.	62.	62.	62.
		(INCHES)	1.713	2.262	2.262	2.262
		(AC-FT)	93.	122.	122.	122.

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PEAK STORAGE   TIME                          MAXIMUM AVERAGE STORAGE
                                      6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       0.     12.75                    0.          0.          0.           0.

   AK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                      6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
    72.94     12.75                  71.75       69.08       69.08        69.08

                        CUMULATIVE AREA =    1.01 SQ MI


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           **************
           *            *
  53 KK    *      NB2   *
           *            *
           **************

  54 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

  76 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .01  SUBBASIN AREA

                 PRECIPITATION DATA

  57 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .01

  58 LS          SCS LOSS RATE
                       STRTL         .86  INITIAL ABSTRACTION
                      CRVNBR       70.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

  59 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .49  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                 12 END-OF-PERIOD ORDINATES
                 2.        7.        7.        4.        2.        1.        1.        0.        0.        0.
                 0.        0.

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                                                HYDROGRAPH AT STATION      NB2

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.
28 FEB 0115	2	.01	.01	.00	0.
28 FEB 0130	3	.01	.01	.00	0.
28 FEB 0145	4	.01	.01	.00	0.
28 FEB 0200	5	.01	.01	.00	0.
28 FEB 0215	6	.01	.01	.00	0.
28 FEB 0230	7	.01	.01	.00	0.
28 FEB 0245	8	.01	.01	.00	0.
28 FEB 0300	9	.01	.01	.00	0.
28 FEB 0315	10	.01	.01	.00	0.
28 FEB 0330	11	.02	.02	.00	0.
28 FEB 0345	12	.02	.02	.00	0.
28 FEB 0400	13	.02	.02	.00	0.
28 FEB 0415	14	.02	.02	.00	0.
28 FEB 0430	15	.02	.02	.00	0.
28 FEB 0445	16	.02	.02	.00	0.
28 FEB 0500	17	.02	.02	.00	0.
28 FEB 0515	18	.02	.02	.00	0.
28 FEB 0530	19	.02	.02	.00	0.
28 FEB 0545	20	.02	.02	.00	0.
28 FEB 0600	21	.02	.02	.00	0.
28 FEB 0615	22	.02	.02	.00	0.
28 FEB 0630	23	.02	.02	.00	0.
28 FEB 0645	24	.02	.02	.00	0.
28 FEB 0700	25	.02	.02	.00	0.
28 FEB 0715	26	.03	.03	.00	0.
28 FEB 0730	27	.03	.03	.00	0.
28 FEB 0745	28	.04	.04	.00	0.
28 FEB 0800	29	.04	.04	.00	0.
28 FEB 0815	30	.04	.04	.00	0.
28 FEB 0830	31	.04	.04	.00	0.
28 FEB 0845	32	.04	.04	.00	0.
28 FEB 0900	33	.04	.04	.00	0.
28 FEB 0915	34	.04	.04	.00	0.
28 FEB 0930	35	.05	.05	.00	0.
28 FEB 0945	36	.05	.05	.00	0.
28 FEB 1000	37	.05	.05	.00	0.
28 FEB 1015	38	.05	.05	.00	0.
28 FEB 1030	39	.06	.05	.00	0.
28 FEB 1045	40	.06	.06	.00	0.
28 FEB 1100	41	.07	.06	.01	0.
28 FEB 1115	42	.07	.06	.01	0.
28 FEB 1130	43	.08	.07	.01	0.
28 FEB 1145	44	.09	.07	.02	0.
28 FEB 1200	45	.10	.08	.02	0.
28 FEB 1215	46	.13	.09	.03	0.
28 FEB 1230	47	.16	.11	.05	1.
28 FEB 1245	48	.25	.16	.09	1.
28 FEB 1300	49	.54	.30	.23	2.
28 FEB 1315	50	1.30	.55	.75	4.
28 FEB 1330	51	.31	.10	.21	7.
28 FEB 1345	52	.18	.06	.12	8.
28 FEB 1400	53	.14	.04	.10	6.
28 FEB 1415	54	.11	.03	.08	4.
28 FEB 1430	55	.10	.03	.07	3.
28 FEB 1445	56	.08	.02	.06	2.
28 FEB 1500	57	.08	.02	.06	2.
28 FEB 1515	58	.07	.02	.05	2.
28 FEB 1530	59	.06	.02	.05	1.
28 FEB 1545	60	.06	.02	.04	1.
28 FEB 1600	61	.06	.01	.04	1.
28 FEB 1615	62	.05	.01	.04	1.
28 FEB 1630	63	.05	.01	.04	1.
28 FEB 1645	64	.05	.01	.04	1.
28 FEB 1700	65	.05	.01	.03	1.
28 FEB 1715	66	.04	.01	.03	1.
28 FEB 1730	67	.04	.01	.03	1.
28 FEB 1745	68	.04	.01	.03	1.
28 FEB 1800	69	.04	.01	.03	1.
28 FEB 1815	70	.04	.01	.03	1.
28 FEB 1830	71	.04	.01	.03	1.
28 FEB 1845	72	.04	.01	.03	1.
28 FEB 1900	73	.03	.01	.03	1.
28 FEB 1915	74	.02	.00	.02	1.
28 FEB 1930	75	.02	.00	.02	1.
28 FEB 1945	76	.02	.00	.02	0.
28 FEB 2000	77	.02	.00	.02	0.
28 FEB 2015	78	.02	.00	.02	0.
28 FEB 2030	79	.02	.00	.01	0.
28 FEB 2045	80	.02	.00	.01	0.
28 FEB 2100	81	.02	.00	.01	0.
28 FEB 2115	82	.02	.00	.01	0.
28 FEB 2130	83	.02	.00	.01	0.
28 FEB 2145	84	.02	.00	.01	0.
28 FEB 2200	85	.02	.00	.01	0.
28 FEB 2215	86	.02	.00	.01	0.
28 FEB 2230	87	.02	.00	.01	0.
28 FEB 2245	88	.02	.00	.01	0.
28 FEB 2300	89	.02	.00	.01	0.
28 FEB 2315	90	.01	.00	.01	0.
28 FEB 2330	91	.01	.00	.01	0.
28 FEB 2345	92	.01	.00	.01	0.
1 MAR 0000	93	.01	.00	.01	0.
1 MAR 0015	94	.01	.00	.01	0.
1 MAR 0030	95	.01	.00	.01	0.
1 MAR 0045	96	.01	.00	.01	0.
1 MAR 0100	97	.01	.00	.01	0.

****

TOTAL RAINFALL = 6.00, TOTAL LOSS = 3.19, TOTAL EXCESS = 2.81

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ 8.	12.75	(CFS)	2.	1.	1.	1.
		(INCHES)	2.286	2.777	2.777	2.777
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .01 SQ MI

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          *            *
63 KK     *    NB2CHL  *
          *            *
          **************

64 KO          OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL

             HYDROGRAPH ROUTING DATA

66 RS          STORAGE ROUTING
                     NSTPS           1  NUMBER OF SUBREACHES
                      ITYP        STOR  TYPE OF INITIAL CONDITION
                    RSVRIC         .00  INITIAL CONDITION
                         X         .00 WORKING R AND D COEFFICIENT

67 RC          NORMAL DEPTH CHANNEL ROUTING
                       ANL        .080  LEFT OVERBANK N-VALUE
                      ANCH        .030  MAIN CHANNEL N-VALUE
                       ANR        .080  RIGHT OVERBANK N-VALUE
                     RLNTH        500.  REACH LENGTH
                       SEL       .0030  ENERGY SLOPE
                     ELMAX        66.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                        CROSS-SECTION DATA
                        --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
69 RY        ELEVATION    67.00     66.50     66.00     64.00     64.00     66.00     66.50     67.00
68 RX        DISTANCE       .00      5.00     10.00     11.00     17.00     18.00     23.00     28.00

                                                          ***

                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00       .01       .01       .02       .03       .04       .05       .05       .06       .07
          OUTFLOW       .00       .38      1.19      2.32      3.71      5.34      7.18      9.22     11.44     13.84
        ELEVATION     64.00     64.11     64.21     64.32     64.42     64.53     64.63     64.74     64.84     64.95

          STORAGE       .08       .09       .10       .10       .11       .12       .13       .14       .15       .16
          OUTFLOW     16.40     19.13     22.01     25.04     28.22     31.54     35.00     38.61     42.34     46.22
        ELEVATION     65.05     65.16     65.26     65.37     65.47     65.58     65.68     65.79     65.89     66.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO       46.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

*****************************************************************************************************************************

                                                  HYDROGRAPH AT STATION   NB2CHL

   ****************************************************************************************************************************
                                                *                                                *
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                                *                                                *
28 FEB 0100   1       0.       .0    64.0 * 28 FEB 0915  34       0.       .0    64.0 * 28 FEB 1730  67     175.       .5    69.5
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28 FEB	0115	2	0.	.0	64.0	*	28 FEB	0930	35	0.	.0	64.0	*	28 FEB	1745	68	172.	.5	69.4
28 FEB	0130	3	0.	.0	64.0	*	28 FEB	0945	36	0.	.0	64.0	*	28 FEB	1800	69	169.	.5	69.3
28 FEB	0145	4	0.	.0	64.0	*	28 FEB	1000	37	0.	.0	64.1	*	28 FEB	1815	70	165.	.5	69.2
28 FEB	0200	5	0.	.0	64.0	*	28 FEB	1015	38	2.	.0	64.2	*	28 FEB	1830	71	159.	.4	69.1
28 FEB	0215	6	0.	.0	64.0	*	28 FEB	1030	39	3.	.0	64.4	*	28 FEB	1845	72	152.	.4	69.[illegible]
28 FEB	0230	7	0.	.0	64.0	*	28 FEB	1045	40	5.	.0	64.5	*	28 FEB	1900	73	142.	.4	[illegible]
28 FEB	0245	8	0.	.0	64.0	*	28 FEB	1100	41	8.	.0	64.7	*	28 FEB	1915	74	129.	.4	68.[illegible]
28 FEB	0300	9	0.	.0	64.0	*	28 FEB	1115	42	11.	.1	64.8	*	28 FEB	1930	75	100.	.3	67.5
28 FEB	0315	10	0.	.0	64.0	*	28 FEB	1130	43	15.	.1	65.0	*	28 FEB	1945	76	62.	.2	66.4
28 FEB	0330	11	0.	.0	64.0	*	28 FEB	1145	44	20.	.1	65.2	*	28 FEB	2000	77	53.	.2	66.2
28 FEB	0345	12	0.	.0	64.0	*	28 FEB	1200	45	25.	.1	65.4	*	28 FEB	2015	78	52.	.2	66.2
28 FEB	0400	13	0.	.0	64.0	*	28 FEB	1215	46	32.	.1	65.6	*	28 FEB	2030	79	48.	.2	66.0
28 FEB	0415	14	0.	.0	64.0	*	28 FEB	1230	47	43.	.2	65.9	*	28 FEB	2045	80	46.	.2	66.0
28 FEB	0430	15	0.	.0	64.0	*	28 FEB	1245	48	61.	.2	66.4	*	28 FEB	2100	81	44.	.2	65.9
28 FEB	0445	16	0.	.0	64.0	*	28 FEB	1300	49	103.	.3	67.6	*	28 FEB	2115	82	43.	.2	65.9
28 FEB	0500	17	0.	.0	64.0	*	28 FEB	1315	50	179.	.5	69.6	*	28 FEB	2130	83	41.	.1	65.9
28 FEB	0515	18	0.	.0	64.0	*	28 FEB	1330	51	249.	.7	71.5	*	28 FEB	2145	84	40.	.1	65.8
28 FEB	0530	19	0.	.0	64.0	*	28 FEB	1345	52	261.	.7	71.8	*	28 FEB	2200	85	39.	.1	65.8
28 FEB	0545	20	0.	.0	64.0	*	28 FEB	1400	53	235.	.6	71.1	*	28 FEB	2215	86	38.	.1	65.8
28 FEB	0600	21	0.	.0	64.0	*	28 FEB	1415	54	217.	.6	70.6	*	28 FEB	2230	87	37.	.1	65.7
28 FEB	0615	22	0.	.0	64.0	*	28 FEB	1430	55	206.	.6	70.3	*	28 FEB	2245	88	37.	.1	65.7
28 FEB	0630	23	0.	.0	64.0	*	28 FEB	1445	56	199.	.5	70.2	*	28 FEB	2300	89	36.	.1	65.7
28 FEB	0645	24	0.	.0	64.0	*	28 FEB	1500	57	196.	.5	70.1	*	28 FEB	2315	90	36.	.1	65.7
28 FEB	0700	25	0.	.0	64.0	*	28 FEB	1515	58	194.	.5	70.0	*	28 FEB	2330	91	35.	.1	65.7
28 FEB	0715	26	0.	.0	64.0	*	28 FEB	1530	59	192.	.5	70.0	*	28 FEB	2345	92	35.	.1	65.7
28 FEB	0730	27	0.	.0	64.0	*	28 FEB	1545	60	190.	.5	69.9	*	1 MAR	0000	93	34.	.1	65.7
28 FEB	0745	28	0.	.0	64.0	*	28 FEB	1600	61	189.	.5	69.9	*	1 MAR	0015	94	34.	.1	65.6
28 FEB	0800	29	0.	.0	64.0	*	28 FEB	1615	62	188.	.5	69.8	*	1 MAR	0030	95	34.	.1	65.6
28 FEB	0815	30	0.	.0	64.0	*	28 FEB	1630	63	185.	.5	69.8	*	1 MAR	0045	96	33.	.1	65.6
28 FEB	0830	31	0.	.0	64.0	*	28 FEB	1645	64	183.	.5	69.7	*	1 MAR	0100	97	33.	.1	65.6
28 FEB	0845	32	0.	.0	64.0	*	28 FEB	1700	65	180.	.5	69.6	*						
28 FEB	0900	33	0.	.0	64.0	*	28 FEB	1715	66	178.	.5	69.6	*						
						*							*						

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 261.	12.75		189.	62.	62.	62.
		(INCHES)	1.716	2.265	2.265	2.265
		(AC-FT)	94.	124.	124.	124.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	12.75	1.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
71.84	12.75	69.88	66.13	66.13	66.13

CUMULATIVE AREA = 1.02 SQ MI

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              **************
              *            *
   70 KK      *      N83   *
              *            *
              **************
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71 KO          OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

73 BA          SUBBASIN CHARACTERISTICS
                    TAREA        .00  SUBBASIN AREA

               PRECIPITATION DATA

74 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =      .00

75 LS          SCS LOSS RATE
                    STRTL        .86  INITIAL ABSTRACTION
                   CRVNBR      70.00  CURVE NUMBER
                    RTIMP        .00  PERCENT IMPERVIOUS AREA

76 UD          SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .34  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                                 9 END-OF-PERIOD ORDINATES
               2.       4.       2.       1.       0.       0.       0.       0.       0.

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*

                                              HYDROGRAPH AT STATION      NB3

*****************************************************************************************************************************
                                                                  *
     DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q          *     DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
     28 FEB 0100    1     .00     .00     .00         0.           *     28 FEB 1315   50    1.30     .55     .75         3.
     28 FEB 0115    2     .01     .01     .00         0.           *     28 FEB 1330   51     .31     .10     .21         4.
     28 FEB 0130    3     .01     .01     .00         0.           *     28 FEB 1345   52     .18     .06     .12         3.
     28 FEB 0145    4     .01     .01     .00         0.           *     28 FEB 1400   53     .14     .04     .10         2.
     28 FEB 0200    5     .01     .01     .00         0.           *     28 FEB 1415   54     .11     .03     .08         1.
     28 FEB 0215    6     .01     .01     .00         0.           *     28 FEB 1430   55     .10     .03     .07         1.
     28 FEB 0230    7     .01     .01     .00         0.           *     28 FEB 1445   56     .08     .02     .06         1.
     28 FEB 0245    8     .01     .01     .00         0.           *     28 FEB 1500   57     .08     .02     .06         1.
     28 FEB 0300    9     .01     .01     .00         0.           *     28 FEB 1515   58     .07     .02     .05         1.
     28 FEB 0315   10     .01     .01     .00         0.           *     28 FEB 1530   59     .06     .02     .05         1.
     28 FEB 0330   11     .02     .02     .00         0.           *     28 FEB 1545   60     .06     .02     .04         1.
     28 FEB 0345   12     .02     .02     .00         0.           *     28 FEB 1600   61     .06     .01     .04         0.
     28 FEB 0400   13     .02     .02     .00         0.           *     28 FEB 1615   62     .05     .01     .04         0.
     28 FEB 0415   14     .02     .02     .00         0.           *     28 FEB 1630   63     .05     .01     .04         0.
     28 FEB 0430   15     .02     .02     .00         0.           *     28 FEB 1645   64     .05     .01     .04         0.
     28 FEB 0445   16     .02     .02     .00         0.           *     28 FEB 1700   65     .05     .01     .03         0.
     28 FEB 0500   17     .02     .02     .00         0.           *     28 FEB 1715   66     .04     .01     .03         0.
     28 FEB 0515   18     .02     .02     .00         0.           *     28 FEB 1730   67     .04     .01     .03         0.
     28 FEB 0530   19     .02     .02     .00         0.           *     28 FEB 1745   68     .04     .01     .03         0.
     28 FEB 0545   20     .02     .02     .00         0.           *     28 FEB 1800   69     .04     .01     .03         0.
     28 FEB 0600   21     .02     .02     .00         0.           *     28 FEB 1815   70     .04     .01     .03         0.
```

28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	0.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.01	.03	0.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	0.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	0.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	0.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	0.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	0.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.01	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.01	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.05	.05	.00	0.	*	28 FEB 2145	84	.02	.00	.01	0.
28 FEB 0945	36	.05	.05	.00	0.	*	28 FEB 2200	85	.02	.00	.01	0.
28 FEB 1000	37	.05	.05	.00	0.	*	28 FEB 2215	86	.02	.00	.01	0.
28 FEB 1015	38	.05	.05	.00	0.	*	28 FEB 2230	87	.02	.00	.01	0.
28 FEB 1030	39	.06	.05	.00	0.	*	28 FEB 2245	88	.02	.00	.01	0.
28 FEB 1045	40	.06	.06	.00	0.	*	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.06	.01	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.06	.01	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.07	.01	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.07	.02	0.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.08	.02	0.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.09	.03	0.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.11	.05	0.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.16	.09	0.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.30	.23	1.	*						
						*						

****

TOTAL RAINFALL = 6.00, TOTAL LOSS = 3.19, TOTAL EXCESS = 2.81

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 4.[illegible]	12.50		1.	0.	0.	0.
		(INCHES)	2.292	2.785	2.785	2.785
		(AC-FT)	0.	1.	1.	1.

CUMULATIVE AREA = .00 SQ MI

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            **************
            *            *
  77 KK     *   NB3CHL   *
            *            *
            **************

  78 KO         OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               STORAGE ROUTING THROUGH RTE 93 E/W CHANNEL

             HYDROGRAPH ROUTING DATA

  80 RS         STORAGE ROUTING
                      NSTPS          1  NUMBER OF SUBREACHES
                       ITYP       STOR  TYPE OF INITIAL CONDITION
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                RSVRIC        .00  INITIAL CONDITION
                     X        .00 WORKING R AND D COEFFICIENT

81 RC        NORMAL DEPTH CHANNEL ROUTING
                   ANL       .080  LEFT OVERBANK N-VALUE
                  ANCH       .030  MAIN CHANNEL N-VALUE
                   ANR       .080  RIGHT OVERBANK N-VALUE
                 RLNTH       430.  REACH LENGTH
                   SEL      .0070  ENERGY SLOPE
                 ELMAX       67.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION
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CROSS-SECTION DATA

		--- LEFT OVERBANK ---			+ ------ MAIN CHANNEL			------- + --- RIGHT OVERBANK ---	
83 RY	ELEVATION	68.00	67.50	67.00	66.00	66.00	67.00	67.50	68.00
82 RX	DISTANCE	.00	5.00	10.00	11.00	14.00	15.00	20.00	25.00

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02
OUTFLOW	.00	.09	.29	.57	.92	1.34	1.81	2.35	2.94	3.58
ELEVATION	66.00	66.05	66.11	66.16	66.21	66.26	66.32	66.37	66.42	66.47
STORAGE	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04
OUTFLOW	4.28	5.03	5.84	6.69	7.60	8.56	9.58	10.64	11.76	12.93
ELEVATION	66.53	66.58	66.63	66.68	66.74	66.79	66.84	66.89	66.95	67.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 13.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION NB3CHL

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	66.0	*	28	FEB	0915	34	0.	.0	66.0	*	28	FEB	1730	67	0.	.0	66.1
28	FEB	0115	2	0.	.0	66.0	*	28	FEB	0930	35	0.	.0	66.0	*	28	FEB	1745	68	0.	.0	66.1
28	FEB	0130	3	0.	.0	66.0	*	28	FEB	0945	36	0.	.0	66.0	*	28	FEB	1800	69	0.	.0	66.1
28	FEB	0145	4	0.	.0	66.0	*	28	FEB	1000	37	0.	.0	66.0	*	28	FEB	1815	70	0.	.0	66.1
28	FEB	0200	5	0.	.0	66.0	*	28	FEB	1015	38	0.	.0	66.0	*	28	FEB	1830	71	0.	.0	66.1
28	FEB	0215	6	0.	.0	66.0	*	28	FEB	1030	39	0.	.0	66.0	*	28	FEB	1845	72	0.	.0	66.1
28	FEB	0230	7	0.	.0	66.0	*	28	FEB	1045	40	0.	.0	66.0	*	28	FEB	1900	73	0.	.0	66.1
28	FEB	0245	8	0.	.0	66.0	*	28	FEB	1100	41	0.	.0	66.0	*	28	FEB	1915	74	0.	.0	66.1
28	FEB	0300	9	0.	.0	66.0	*	28	FEB	1115	42	0.	.0	66.0	*	28	FEB	1930	75	0.	.0	66.1
28	FEB	0315	10	0.	.0	66.0	*	28	FEB	1130	43	0.	.0	66.0	*	28	FEB	1945	76	0.	.0	66.1
28	FEB	0330	11	0.	.0	66.0	*	28	FEB	1145	44	0.	.0	66.1	*	28	FEB	2000	77	0.	.0	66.1
28	FEB	0345	12	0.	.0	66.0	*	28	FEB	1200	45	0.	.0	66.1	*	28	FEB	2015	78	0.	.0	66.1
28	FEB	0400	13	0.	.0	66.0	*	28	FEB	1215	46	0.	.0	66.1	*	28	FEB	2030	79	0.	.0	66.1
28	FEB	0415	14	0.	.0	66.0	*	28	FEB	1230	47	0.	.0	66.1	*	28	FEB	2045	80	0.	.0	66.1
28	FEB	0430	15	0.	.0	66.0	*	28	FEB	1245	48	0.	.0	66.1	*	28	FEB	2100	81	0.	.0	66.1
28	FEB	0445	16	0.	.0	66.0	*	28	FEB	1300	49	1.	.0	66.2	*	28	FEB	2115	82	0.	.0	66.1
28	FEB	0500	17	0.	.0	66.0	*	28	FEB	1315	50	3.	.0	66.4	*	28	FEB	2130	83	0.	.0	66.1
28	FEB	0515	18	0.	.0	66.0	*	28	FEB	1330	51	4.	.0	66.5	*	28	FEB	2145	84	0.	.0	66.1
28	FEB	0530	19	0.	.0	66.0	*	28	FEB	1345	52	3.	.0	66.5	*	28	FEB	2200	85	0.	.0	66.1
28	FEB	0545	20	0.	.0	66.0	*	28	FEB	1400	53	2.	.0	66.3	*	28	FEB	2215	86	0.	.0	66.1
	FEB	0600	21	0.	.0	66.0	*	28	FEB	1415	54	2.	.0	66.3	*	28	FEB	2230	87	0.	.0	66.1
	FEB	0615	22	0.	.0	66.0	*	28	FEB	1430	55	1.	.0	66.2	*	28	FEB	2245	88	0.	.0	66.1
28	FEB	0630	23	0.	.0	66.0	*	28	FEB	1445	56	1.	.0	66.2	*	28	FEB	2300	89	0.	.0	66.1
28	FEB	0645	24	0.	.0	66.0	*	28	FEB	1500	57	1.	.0	66.2	*	28	FEB	2315	90	0.	.0	66.1
28	FEB	0700	25	0.	.0	66.0	*	28	FEB	1515	58	1.	.0	66.2	*	28	FEB	2330	91	0.	.0	66.1

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28 FEB 0715  26      0.      .0    66.0 * 28 FEB 1530  59      1.      .0    66.2 * 28 FEB 2345  92      0.      .0    66.1
28 FEB 0730  27      0.      .0    66.0 * 28 FEB 1545  60      1.      .0    66.1 *  1 MAR 0000  93      0.      .0    66.1
28 FEB 0745  28      0.      .0    66.0 * 28 FEB 1600  61      0.      .0    66.1 *  1 MAR 0015  94      0.      .0    66.1
28 FEB 0800  29      0.      .0    66.0 * 28 FEB 1615  62      0.      .0    66.1 *  1 MAR 0030  95      0.      .0    66.1
28 FEB 0815  30      0.      .0    66.0 * 28 FEB 1630  63      0.      .0    66.1 *  1 MAR 0045  96      0.      .0    6
28 FEB 0830  31      0.      .0    66.0 * 28 FEB 1645  64      0.      .0    66.1 *  1 MAR 0100  97      0.      .0    6
28 FEB 0845  32      0.      .0    66.0 * 28 FEB 1700  65      0.      .0    66.1 *
28 FEB 0900  33      0.      .0    66.0 * 28 FEB 1715  66      0.      .0    66.1 *
                                        *                                          *
*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+      4.     12.50                   1.          0.          0.          0.
                       (INCHES)     2.292       2.777       2.777       2.777
                        (AC-FT)       0.          1.          1.          1.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+ (AC-FT)      (HR)
       0.     12.50                   0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    66.52     12.50                 66.20       66.07       66.07       66.07

                        CUMULATIVE AREA =     .00 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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          *            *
  84 KK   *      NB5   *
          *            *
          **************

  85 KO        OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

  87 BA        SUBBASIN CHARACTERISTICS
                     TAREA        .02  SUBBASIN AREA

               PRECIPITATION DATA

  88 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .60    1.30    2.40   3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .02

  89 LS        SCS LOSS RATE
                     STRTL        .53  INITIAL ABSTRACTION
                    CRVNBR      79.00  CURVE NUMBER
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RTIMP .00 PERCENT IMPERVIOUS AREA

90 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .32 LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES
11. 18. 9. 4. 1. 1. 0. 0.

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HYDROGRAPH AT STATION NB5

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.33	.97	19.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.06	.25	24.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.03	.15	16.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.02	.12	10.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.02	.09	7.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.01	.08	5.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.01	.07	4.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.01	.06	3.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.01	.06	3.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.01	.05	3.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.01	.05	2.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.03	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.01	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	*	28 FEB 2145	84	.02	.00	.01	1.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.01	1.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.01	1.
28 FEB 1015	38	.05	.04	.01	0.	*	28 FEB 2230	87	.02	.00	.01	1.
28 FEB 1030	39	.06	.04	.02	1.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.04	.02	1.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.05	.02	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.05	.03	1.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.05	.03	1.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.05	.04	1.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.06	.05	2.	*	1 MAR 0015	94	.01	.00	.01	1.

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28 FEB 1215   46    .13    .07    .06        2.      *      1 MAR 0030   95    .01    .00    .01        1.
28 FEB 1230   47    .16    .08    .08        3.      *      1 MAR 0045   96    .01    .00    .01        1.
28 FEB 1245   48    .25    .11    .14        4.      *      1 MAR 0100   97    .01    .00    .01        1.
28 FEB 1300   49    .54    .20    .34        7.      *
                                                     *
*****************************************************************************************************************

   TOTAL RAINFALL =    6.00, TOTAL LOSS =    2.32, TOTAL EXCESS =    3.68

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     24.     12.50                   5.          2.          2.          2.
                        (INCHES)    2.955       3.658       3.658       3.658
                         (AC-FT)      3.          3.          3.          3.

                         CUMULATIVE AREA =     .02 SQ MI


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          *            *
  91 KK   *    NB5SWP  *
          *            *
          **************

  92 KO        OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                             ROUTING THROUGH WETLAND 3B

             HYDROGRAPH ROUTING DATA

  94 RS        STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC      66.50  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

  95 SA             AREA        1.1       1.6       3.7

  96 SE        ELEVATION      66.50     67.20     68.20

  97 SS        SPILLWAY
                      CREL      68.10  SPILLWAY CREST ELEVATION
                     SPWID      30.00  SPILLWAY WIDTH
                      COQW       3.00  WEIR COEFFICIENT
                      EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .93      3.51
        ELEVATION      66.50     67.20     68.20

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00       .00       .00       .01       .03       .06       .11       .17       .25
        ELEVATION      66.50     68.10     68.10     68.10     68.10     68.10     68.11     68.11     68.12     68.12
```

OUTFLOW	.36	.49	.65	.84	1.07	1.34	1.65	2.00	2.40	2.85
ELEVATION	68.13	68.13	68.14	68.14	68.15	68.16	68.17	68.18	68.19	68.20

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.93	3.15	3.19	3.24	3.29	3.34	3.40	3.47	3.51
OUTFLOW	.00	.00	.00	.11	.36	.65	1.07	1.65	2.40	2.85
ELEVATION	66.50	67.20	68.10	68.11	68.13	68.14	68.15	68.17	68.19	68.20

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HYDROGRAPH AT STATION N85SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	66.5	28	FEB	0915	34	0.	.0	66.5	28	FEB	1730	67	0.	2.8	67.9
28	FEB	0115	2	0.	.0	66.5	28	FEB	0930	35	0.	.0	66.5	28	FEB	1745	68	0.	2.8	68.0
28	FEB	0130	3	0.	.0	66.5	28	FEB	0945	36	0.	.0	66.5	28	FEB	1800	69	0.	2.8	68.0
28	FEB	0145	4	0.	.0	66.5	28	FEB	1000	37	0.	.0	66.5	28	FEB	1815	70	0.	2.9	68.0
28	FEB	0200	5	0.	.0	66.5	28	FEB	1015	38	0.	.0	66.5	28	FEB	1830	71	0.	2.9	68.0
28	FEB	0215	6	0.	.0	66.5	28	FEB	1030	39	0.	.0	66.5	28	FEB	1845	72	0.	2.9	68.0
28	FEB	0230	7	0.	.0	66.5	28	FEB	1045	40	0.	.1	66.5	28	FEB	1900	73	0.	3.0	68.0
28	FEB	0245	8	0.	.0	66.5	28	FEB	1100	41	0.	.1	66.6	28	FEB	1915	74	0.	3.0	68.0
28	FEB	0300	9	0.	.0	66.5	28	FEB	1115	42	0.	.1	66.6	28	FEB	1930	75	0.	3.0	68.0
28	FEB	0315	10	0.	.0	66.5	28	FEB	1130	43	0.	.1	66.6	28	FEB	1945	76	0.	3.0	68.1
28	FEB	0330	11	0.	.0	66.5	28	FEB	1145	44	0.	.1	66.6	28	FEB	2000	77	0.	3.0	68.1
28	FEB	0345	12	0.	.0	66.5	28	FEB	1200	45	0.	.2	66.6	28	FEB	2015	78	0.	3.1	68.1
[illegible]	FEB	0400	13	0.	.0	66.5	28	FEB	1215	46	0.	.2	66.6	28	FEB	2030	79	0.	3.1	68.1
[illegible]	FEB	0415	14	0.	.0	66.5	28	FEB	1230	47	0.	.2	66.7	28	FEB	2045	80	0.	3.1	68.1
[illegible]	FEB	0430	15	0.	.0	66.5	28	FEB	1245	48	0.	.3	66.7	28	FEB	2100	81	0.	3.1	68.1
28	FEB	0445	16	0.	.0	66.5	28	FEB	1300	49	0.	.4	66.8	28	FEB	2115	82	0.	3.1	68.1
28	FEB	0500	17	0.	.0	66.5	28	FEB	1315	50	0.	.7	67.0	28	FEB	2130	83	0.	3.1	68.1
28	FEB	0515	18	0.	.0	66.5	28	FEB	1330	51	0.	1.1	67.3	28	FEB	2145	84	0.	3.2	68.1
28	FEB	0530	19	0.	.0	66.5	28	FEB	1345	52	0.	1.5	67.5	28	FEB	2200	85	0.	3.2	68.1
28	FEB	0545	20	0.	.0	66.5	28	FEB	1400	53	0.	1.8	67.6	28	FEB	2215	86	0.	3.2	68.1
28	FEB	0600	21	0.	.0	66.5	28	FEB	1415	54	0.	2.0	67.6	28	FEB	2230	87	0.	3.2	68.1
28	FEB	0615	22	0.	.0	66.5	28	FEB	1430	55	0.	2.1	67.7	28	FEB	2245	88	0.	3.2	68.1
28	FEB	0630	23	0.	.0	66.5	28	FEB	1445	56	0.	2.2	67.7	28	FEB	2300	89	0.	3.2	68.1
28	FEB	0645	24	0.	.0	66.5	28	FEB	1500	57	0.	2.3	67.8	28	FEB	2315	90	0.	3.2	68.1
28	FEB	0700	25	0.	.0	66.5	28	FEB	1515	58	0.	2.4	67.8	28	FEB	2330	91	0.	3.2	68.1
28	FEB	0715	26	0.	.0	66.5	28	FEB	1530	59	0.	2.4	67.8	28	FEB	2345	92	0.	3.2	68.1
28	FEB	0730	27	0.	.0	66.5	28	FEB	1545	60	0.	2.5	67.8	1	MAR	0000	93	0.	3.2	68.1
28	FEB	0745	28	0.	.0	66.5	28	FEB	1600	61	0.	2.5	67.8	1	MAR	0015	94	0.	3.2	68.1
28	FEB	0800	29	0.	.0	66.5	28	FEB	1615	62	0.	2.6	67.9	1	MAR	0030	95	0.	3.2	68.1
28	FEB	0815	30	0.	.0	66.5	28	FEB	1630	63	0.	2.6	67.9	1	MAR	0045	96	0.	3.2	68.1
28	FEB	0830	31	0.	.0	66.5	28	FEB	1645	64	0.	2.7	67.9	1	MAR	0100	97	0.	3.3	68.1
28	FEB	0845	32	0.	.0	66.5	28	FEB	1700	65	0.	2.7	67.9							
28	FEB	0900	33	0.	.0	66.5	28	FEB	1715	66	0.	2.7	67.9							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ 0.	24.00	(CFS)	0.	0.	0.	0.
		(INCHES)	.072	.072	.072	.072
		(AC-FT)	0.	0.	0.	0.

PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR

```
+  (AC-FT)      (HR)
       3.     24.00                    3.          1.          1.          1.

  PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                       6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
     68.13     24.00                  68.09       67.23       67.23       67.23

                         CUMULATIVE AREA =     .02 SQ MI


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            **************
            *            *
  98 KK     *      NB4   *
            *            *
            **************

  99 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

 101 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .04  SUBBASIN AREA

                 PRECIPITATION DATA

 102 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .04

 103 LS          SCS LOSS RATE
                       STRTL         .56  INITIAL ABSTRACTION
                      CRVNBR       78.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 104 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .45  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                        UNIT HYDROGRAPH
                                                   11 END-OF-PERIOD ORDINATES
                11.       30.       26.       13.        7.        3.        2.        1.        0.        0.
                 0.

*****************************************************************************************************************************

                                                HYDROGRAPH AT STATION      NB4

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
```

						*							
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.35	.95	25.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.06	.25	42.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.03	.15	39.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.02	.11	27.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.02	.09	19.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.02	.08	14.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.01	.07	11.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.01	.06	9.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.01	.06	7.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.01	.05	6.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.01	.05	6.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	5.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.05	5.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	4.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	4.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	4.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	4.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	4.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	4.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	3.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.03	3.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	3.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	3.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	3.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	3.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	2.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	2.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	2.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	2.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	2.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	2.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	2.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	2.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	*	28 FEB 2145	84	.02	.00	.01	1.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.01	1.
28 FEB 1000	37	.05	.04	.01	1.	*	28 FEB 2215	86	.02	.00	.01	1.
28 FEB 1015	38	.05	.04	.01	1.	*	28 FEB 2230	87	.02	.00	.01	1.
28 FEB 1030	39	.06	.04	.01	1.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.05	.02	1.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.05	.02	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.05	.02	2.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.05	.03	2.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.06	.03	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.06	.04	3.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.07	.06	3.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.08	.08	4.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.25	.12	.13	6.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.54	.21	.33	11.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.42, TOTAL EXCESS = 3.58

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 42.	12.50		11.	3.	3.	3.
		(INCHES)	2.877	3.549	3.549	3.549
		(AC-FT)	6.	7.	7.	7.

CUMULATIVE AREA = .04 SQ MI

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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

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          *            *
108 KK    *   NB4CHL   *
          *            *
          **************

109 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                           STORAGE ROUTING THROUGH NORTH BRANCH TO COMMERCE WAY

            HYDROGRAPH ROUTING DATA

111 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      61.60  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

112 SA             AREA         .0       .5       .7       .9      1.3

113 SE        ELEVATION      61.60    64.00    64.50    65.00    66.00

114 SL        LOW-LEVEL OUTLET
                    ELEVL      62.60  ELEVATION AT CENTER OF OUTLET
                    CAREA       3.14  CROSS-SECTIONAL AREA
                     COQL        .60  COEFFICIENT
                     EXPL        .50  EXPONENT OF HEAD

115 SS        SPILLWAY
                     CREL      64.90  SPILLWAY CREST ELEVATION
                    SPWID        .00  SPILLWAY WIDTH
                     COQW        .00  WEIR COEFFICIENT
                     EXPW       1.50  EXPONENT OF HEAD

                                                  ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00      .41      .72     1.14     2.24
        ELEVATION     61.60    64.00    64.50    65.00    66.00

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00      .00    14.61    15.41    16.30    17.30    18.43    19.71    21.19    22.91
        ELEVATION     61.60    62.60    63.54    63.64    63.76    63.91    64.09    64.30    64.57    64.90


                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      .03      .22      .25      .30      .37      .41      .46      .59      .72
          OUTFLOW       .00      .00    14.61    15.41    16.30    17.30    17.88    18.43    19.71    20.83
        ELEVATION     61.60    62.60    63.54    63.64    63.76    63.91    64.00    64.09    64.30    64.50

          STORAGE       .77     1.05     1.14     2.24
          OUTFLOW     21.19    22.91    23.41    27.86
        ELEVATION     64.57    64.90    65.00    66.00

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HYDROGRAPH AT STATION NB4CHL

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
	FEB	0100	1	0.	.0	61.6	28	FEB	0915	34	0.	.0	61.8	28	FEB	1730	67	165.	36.1	96.8
	FEB	0115	2	0.	.0	61.6	28	FEB	0930	35	0.	.0	62.1	28	FEB	1745	68	166.	36.3	97.0
28	FEB	0130	3	0.	.0	61.6	28	FEB	0945	36	0.	.0	62.4	28	FEB	1800	69	167.	36.5	97.2
28	FEB	0145	4	0.	.0	61.6	28	FEB	1000	37	0.	.0	62.6	28	FEB	1815	70	167.	36.6	97.2
28	FEB	0200	5	0.	.0	61.6	28	FEB	1015	38	2.	.0	62.7	28	FEB	1830	71	167.	36.6	97.2
28	FEB	0215	6	0.	.0	61.6	28	FEB	1030	39	3.	.1	62.8	28	FEB	1845	72	166.	36.4	97.1
28	FEB	0230	7	0.	.0	61.6	28	FEB	1045	40	5.	.1	62.9	28	FEB	1900	73	165.	36.1	96.8
28	FEB	0245	8	0.	.0	61.6	28	FEB	1100	41	8.	.1	63.1	28	FEB	1915	74	163.	35.6	96.3
28	FEB	0300	9	0.	.0	61.6	28	FEB	1115	42	11.	.2	63.3	28	FEB	1930	75	159.	34.7	95.5
28	FEB	0315	10	0.	.0	61.6	28	FEB	1130	43	15.	.2	63.5	28	FEB	1945	76	153.	33.2	94.1
28	FEB	0330	11	0.	.0	61.6	28	FEB	1145	44	16.	.3	63.8	28	FEB	2000	77	146.	31.3	92.5
28	FEB	0345	12	0.	.0	61.6	28	FEB	1200	45	18.	.5	64.1	28	FEB	2015	78	138.	29.5	90.8
28	FEB	0400	13	0.	.0	61.6	28	FEB	1215	46	21.	.7	64.5	28	FEB	2030	79	131.	27.8	89.2
28	FEB	0415	14	0.	.0	61.6	28	FEB	1230	47	23.	1.1	65.0	28	FEB	2045	80	125.	26.2	87.8
28	FEB	0430	15	0.	.0	61.6	28	FEB	1245	48	26.	1.8	65.6	28	FEB	2100	81	118.	24.6	86.4
28	FEB	0445	16	0.	.0	61.6	28	FEB	1300	49	31.	3.1	66.8	28	FEB	2115	82	113.	23.2	85.0
28	FEB	0500	17	0.	.0	61.6	28	FEB	1315	50	42.	5.7	69.1	28	FEB	2130	83	107.	21.8	83.8
28	FEB	0515	18	0.	.0	61.6	28	FEB	1330	51	58.	9.8	72.9	28	FEB	2145	84	102.	20.5	82.6
28	FEB	0530	19	0.	.0	61.6	28	FEB	1345	52	78.	14.6	77.2	28	FEB	2200	85	97.	19.3	81.5
28	FEB	0545	20	0.	.0	61.6	28	FEB	1400	53	94.	18.7	80.9	28	FEB	2215	86	92.	18.2	80.5
28	FEB	0600	21	0.	.0	61.6	28	FEB	1415	54	107.	21.8	83.8	28	FEB	2230	87	88.	17.1	79.5
28	FEB	0615	22	0.	.0	61.6	28	FEB	1430	55	117.	24.2	86.0	28	FEB	2245	88	84.	16.1	78.6
28	FEB	0630	23	0.	.0	61.6	28	FEB	1445	56	125.	26.2	87.7	28	FEB	2300	89	80.	15.2	77.8
28	FEB	0645	24	0.	.0	61.6	28	FEB	1500	57	131.	27.8	89.2	28	FEB	2315	90	77.	14.4	77.0
28	FEB	0700	25	0.	.0	61.6	28	FEB	1515	58	137.	29.3	90.6	28	FEB	2330	91	74.	13.6	76.3
28	FEB	0715	26	0.	.0	61.6	28	FEB	1530	59	142.	30.5	91.7	28	FEB	2345	92	71.	12.8	75.6
28	FEB	0730	27	0.	.0	61.6	28	FEB	1545	60	147.	31.6	92.7	1	MAR	0000	93	68.	12.2	75.0
	FEB	0745	28	0.	.0	61.6	28	FEB	1600	61	151.	32.6	93.6	1	MAR	0015	94	65.	11.5	74.4
	FEB	0800	29	0.	.0	61.6	28	FEB	1615	62	154.	33.4	94.4	1	MAR	0030	95	63.	10.9	73.9
	FEB	0815	30	0.	.0	61.6	28	FEB	1630	63	157.	34.2	95.0	1	MAR	0045	96	61.	10.4	73.4
28	FEB	0830	31	0.	.0	61.6	28	FEB	1645	64	160.	34.8	95.6	1	MAR	0100	97	59.	9.8	72.9
28	FEB	0845	32	0.	.0	61.6	28	FEB	1700	65	162.	35.3	96.1							
28	FEB	0900	33	0.	.0	61.7	28	FEB	1715	66	164.	35.8	96.5							

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
167.	17.25		153.	61.	61.	61.
		(INCHES)	1.320	2.104	2.104	2.104
		(AC-FT)	76.	121.	121.	121.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
37.	17.25	33.	12.	12.	12.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.00-HR
97.23	17.25	94.20	74.33	74.33	74.33

CUMULATIVE AREA = 1.08 SQ MI

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          *            *
116 KK    *     HP3A   *
          *            *
          **************

117 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

119 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .04  SUBBASIN AREA

              PRECIPITATION DATA

120 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                STORM AREA =     .04

121 LS        SCS LOSS RATE
                    STRTL        .50  INITIAL ABSTRACTION
                   CRVNBR      80.00  CURVE NUMBER
                    RTIMP        .00  PERCENT IMPERVIOUS AREA

122 UD        SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .50  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                          12 END-OF-PERIOD ORDINATES
              8.      25.      25.      15.       8.       4.       2.       1.       1.       0.
              0.       0.
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HYDROGRAPH AT STATION HP3A

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	28	FEB	1315	50	1.30	.31	.99	23.
28	FEB	0115	2	.01	.01	.00	0.	28	FEB	1330	51	.31	.05	.26	40.
28	FEB	0130	3	.01	.01	.00	0.	28	FEB	1345	52	.18	.03	.15	40.
28	FEB	0145	4	.01	.01	.00	0.	28	FEB	1400	53	.14	.02	.12	30.
28	FEB	0200	5	.01	.01	.00	0.	28	FEB	1415	54	.11	.02	.09	21.
28	FEB	0215	6	.01	.01	.00	0.	28	FEB	1430	55	.10	.01	.08	15.
28	FEB	0230	7	.01	.01	.00	0.	28	FEB	1445	56	.08	.01	.07	12.
28	FEB	0245	8	.01	.01	.00	0.	28	FEB	1500	57	.08	.01	.07	9.
28	FEB	0300	9	.01	.01	.00	0.	28	FEB	1515	58	.07	.01	.06	8.
28	FEB	0315	10	.01	.01	.00	0.	28	FEB	1530	59	.06	.01	.06	7.
28	FEB	0330	11	.02	.02	.00	0.	28	FEB	1545	60	.06	.01	.05	6.
28	FEB	0345	12	.02	.02	.00	0.	28	FEB	1600	61	.06	.01	.05	5.
28	FEB	0400	13	.02	.02	.00	0.	28	FEB	1615	62	.05	.01	.05	5.

28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	5.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	4.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	4.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	4.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	4.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	4.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	3.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.03	3.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	3.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	3.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	3.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	3.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	2.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	2.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	2.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	2.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	2.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	2.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	2.
28 FEB 0900	33	.04	.04	.01	0.	*	28 FEB 2115	82	.02	.00	.02	2.
28 FEB 0915	34	.04	.04	.01	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.04	.01	1.	*	28 FEB 2200	85	.02	.00	.01	1.
28 FEB 1000	37	.05	.04	.01	1.	*	28 FEB 2215	86	.02	.00	.01	1.
28 FEB 1015	38	.05	.04	.01	1.	*	28 FEB 2230	87	.02	.00	.01	1.
28 FEB 1030	39	.06	.04	.02	1.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.04	.02	1.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.04	.02	2.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.05	.03	2.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.05	.03	2.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.05	.04	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.05	.05	3.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.06	.06	4.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.07	.08	5.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.25	.10	.15	6.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.54	.18	.35	10.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.22, TOTAL EXCESS = 3.78

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 40.	12.75		11.	4.	4.	4.
		(INCHES)	3.023	3.748	3.748	3.748
		(AC-FT)	6.	7.	7.	7.

CUMULATIVE AREA = .04 SQ MI

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          *            *
123 KK    *    5DSWP   *
          *            *
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124 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL

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                QSCAL          0.  HYDROGRAPH PLOT SCALE
                        DIRECT INPUT OF HYDROGRAPH FROM UPPER SOUTH POND

  6 IN        TIME DATA FOR INPUT TIME SERIES
                 JXMIN         15  TIME INTERVAL IN MINUTES
                JXDATE     28FEB91  STARTING DATE
                JXTIME        100  STARTING TIME

            SUBBASIN RUNOFF DATA

126 BA        SUBBASIN CHARACTERISTICS
                 TAREA        .26  SUBBASIN AREA

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HYDROGRAPH AT STATION 5DSWP

DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	3.	28 FEB 1330	51	31.	28 FEB 1945	76	44.
28 FEB 0115	2	0.	28 FEB 0730	27	3.	28 FEB 1345	52	38.	28 FEB 2000	77	44.
28 FEB 0130	3	0.	28 FEB 0745	28	4.	28 FEB 1400	53	41.	28 FEB 2015	78	44.
28 FEB 0145	4	0.	28 FEB 0800	29	4.	28 FEB 1415	54	43.	28 FEB 2030	79	43.
28 FEB 0200	5	0.	28 FEB 0815	30	4.	28 FEB 1430	55	45.	28 FEB 2045	80	43.
28 FEB 0215	6	0.	28 FEB 0830	31	4.	28 FEB 1445	56	47.	28 FEB 2100	81	42.
28 FEB 0230	7	0.	28 FEB 0845	32	4.	28 FEB 1500	57	48.	28 FEB 2115	82	42.
28 FEB 0245	8	0.	28 FEB 0900	33	4.	28 FEB 1515	58	48.	28 FEB 2130	83	41.
28 FEB 0300	9	0.	28 FEB 0915	34	4.	28 FEB 1530	59	48.	28 FEB 2145	84	41.
28 FEB 0315	10	0.	28 FEB 0930	35	4.	28 FEB 1545	60	49.	28 FEB 2200	85	40
28 FEB 0330	11	0.	28 FEB 0945	36	5.	28 FEB 1600	61	49.	28 FEB 2215	86	40.
28 FEB 0345	12	0.	28 FEB 1000	37	5.	28 FEB 1615	62	49.	28 FEB 2230	87	39.
28 FEB 0400	13	0.	28 FEB 1015	38	5.	28 FEB 1630	63	49.	28 FEB 2245	88	39.
28 FEB 0415	14	0.	28 FEB 1030	39	6.	28 FEB 1645	64	48.	28 FEB 2300	89	38.
28 FEB 0430	15	0.	28 FEB 1045	40	6.	28 FEB 1700	65	48.	28 FEB 2315	90	38.
28 FEB 0445	16	1.	28 FEB 1100	41	7.	28 FEB 1715	66	48.	28 FEB 2330	91	37.
28 FEB 0500	17	1.	28 FEB 1115	42	7.	28 FEB 1730	67	48.	28 FEB 2345	92	37.
28 FEB 0515	18	2.	28 FEB 1130	43	8.	28 FEB 1745	68	47.	1 MAR 0000	93	36.
28 FEB 0530	19	2.	28 FEB 1145	44	8.	28 FEB 1800	69	47.	1 MAR 0015	94	36.
28 FEB 0545	20	2.	28 FEB 1200	45	9.	28 FEB 1815	70	47.	1 MAR 0030	95	35.
28 FEB 0600	21	3.	28 FEB 1215	46	10.	28 FEB 1830	71	46.	1 MAR 0045	96	34.
28 FEB 0615	22	3.	28 FEB 1230	47	12.	28 FEB 1845	72	46.	1 MAR 0100	97	32.
28 FEB 0630	23	3.	28 FEB 1245	48	13.	28 FEB 1900	73	46.			
28 FEB 0645	24	3.	28 FEB 1300	49	16.	28 FEB 1915	74	45.			
28 FEB 0700	25	3.	28 FEB 1315	50	21.	28 FEB 1930	75	45.			

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 49.	14.75		47.	23.	23.	23.
		(INCHES)	1.663	3.244	3.244	3.244
		(AC-FT)	23.	45.	45.	45.

CUMULATIVE AREA = .26 SQ MI

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          *            *
140 KK    *    HP3ASP  *
          *            *
          **************

141 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             ROUTING THROUGH E/W HIDE PILE WETLAND

            HYDROGRAPH ROUTING DATA

143 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      69.40  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

144 SA             AREA        1.9       3.2       7.4

145 SE        ELEVATION      69.00     70.00     71.50

146 SL        LOW-LEVEL OUTLET
                    ELEVL      70.20  ELEVATION AT CENTER OF OUTLET
                    CAREA       1.23  CROSS-SECTIONAL AREA
                     COQL        .60  COEFFICIENT
                     EXPL        .50  EXPONENT OF HEAD

147 SS        SPILLWAY
                     CREL      74.20  SPILLWAY CREST ELEVATION
                    SPWID        .00  SPILLWAY WIDTH
                     COQW        .00  WEIR COEFFICIENT
                     EXPW       1.00  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00      2.50     10.18
        ELEVATION     69.00     70.00     71.50

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00       .00      4.68      5.12      5.65      6.31      7.15      8.24      9.71     11.84
        ELEVATION     69.00     70.20     70.82     70.95     71.11     71.34     71.66     72.14     72.89     74.20

                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      2.50      3.18      5.94      6.61      7.58      9.03     10.18     11.39     15.58
          OUTFLOW       .00       .00       .00      4.68      5.12      5.65      6.31      6.75      7.15      8.24
        ELEVATION     69.00     70.00     70.20     70.82     70.95     71.11     71.34     71.50     71.66     72.14

          STORAGE     24.05     44.86
          OUTFLOW      9.71     11.84
        ELEVATION     72.89     74.20

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                                        HYDROGRAPH AT STATION   HP3ASP

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.8	69.3	28 FEB 0915	34	0.	2.0	69.8	28 FEB 1730	67	10.	23.3	72.8
28 FEB 0115	2	0.	.8	69.3	28 FEB 0930	35	0.	2.1	69.8	28 FEB 1745	68	10.	24.2	77
28 FEB 0130	3	0.	.8	69.3	28 FEB 0945	36	0.	2.2	69.9	28 FEB 1800	69	10.	25.0	7
28 FEB 0145	4	0.	.8	69.3	28 FEB 1000	37	0.	2.3	69.9	28 FEB 1815	70	10.	25.9	73
28 FEB 0200	5	0.	.8	69.3	28 FEB 1015	38	0.	2.4	70.0	28 FEB 1830	71	10.	26.7	73.1
28 FEB 0215	6	0.	.8	69.3	28 FEB 1030	39	0.	2.6	70.0	28 FEB 1845	72	10.	27.5	73.1
28 FEB 0230	7	0.	.8	69.3	28 FEB 1045	40	0.	2.7	70.1	28 FEB 1900	73	10.	28.3	73.2
28 FEB 0245	8	0.	.8	69.3	28 FEB 1100	41	0.	2.9	70.1	28 FEB 1915	74	10.	29.1	73.2
28 FEB 0300	9	0.	.8	69.3	28 FEB 1115	42	0.	3.1	70.2	28 FEB 1930	75	10.	29.9	73.3
28 FEB 0315	10	0.	.8	69.3	28 FEB 1130	43	0.	3.3	70.2	28 FEB 1945	76	10.	30.6	73.3
28 FEB 0330	11	0.	.8	69.3	28 FEB 1145	44	0.	3.5	70.3	28 FEB 2000	77	10.	31.4	73.4
28 FEB 0345	12	0.	.8	69.3	28 FEB 1200	45	1.	3.7	70.3	28 FEB 2015	78	11.	32.1	73.4
28 FEB 0400	13	0.	.8	69.3	28 FEB 1215	46	1.	3.9	70.4	28 FEB 2030	79	11.	32.8	73.4
28 FEB 0415	14	0.	.8	69.3	28 FEB 1230	47	2.	4.2	70.4	28 FEB 2045	80	11.	33.5	73.5
28 FEB 0430	15	0.	.8	69.3	28 FEB 1245	48	2.	4.5	70.5	28 FEB 2100	81	11.	34.2	73.5
28 FEB 0445	16	0.	.9	69.3	28 FEB 1300	49	3.	4.9	70.6	28 FEB 2115	82	11.	34.9	73.6
28 FEB 0500	17	0.	.9	69.4	28 FEB 1315	50	4.	5.6	70.7	28 FEB 2130	83	11.	35.5	73.6
28 FEB 0515	18	0.	.9	69.4	28 FEB 1330	51	5.	6.7	71.0	28 FEB 2145	84	11.	36.2	73.7
28 FEB 0530	19	0.	1.0	69.4	28 FEB 1345	52	6.	8.1	71.2	28 FEB 2200	85	11.	36.8	73.7
28 FEB 0545	20	0.	1.0	69.4	28 FEB 1400	53	7.	9.5	71.4	28 FEB 2215	86	11.	37.4	73.7
28 FEB 0600	21	0.	1.0	69.4	28 FEB 1415	54	7.	10.8	71.6	28 FEB 2230	87	11.	38.1	73.8
28 FEB 0615	22	0.	1.1	69.4	28 FEB 1430	55	7.	11.9	71.7	28 FEB 2245	88	11.	38.7	73.8
28 FEB 0630	23	0.	1.2	69.5	28 FEB 1445	56	8.	13.0	71.8	28 FEB 2300	89	11.	39.3	73.8
28 FEB 0645	24	0.	1.2	69.5	28 FEB 1500	57	8.	14.0	72.0	28 FEB 2315	90	11.	39.8	73.9
28 FEB 0700	25	0.	1.3	69.5	28 FEB 1515	58	8.	15.0	72.1	28 FEB 2330	91	11.	40.4	73.9
28 FEB 0715	26	0.	1.4	69.5	28 FEB 1530	59	8.	16.0	72.2	28 FEB 2345	92	11.	41.0	74.0
28 FEB 0730	27	0.	1.4	69.6	28 FEB 1545	60	8.	17.0	72.3	1 MAR 0000	93	11.	41.5	74.0
28 FEB 0745	28	0.	1.5	69.6	28 FEB 1600	61	9.	17.9	72.3	1 MAR 0015	94	12.	42.0	74.0
28 FEB 0800	29	0.	1.6	69.6	28 FEB 1615	62	9.	18.9	72.4	1 MAR 0030	95	12.	42.5	74.1
28 FEB 0815	30	0.	1.7	69.7	28 FEB 1630	63	9.	19.8	72.5	1 MAR 0045	96	12.	43.0	74.1
28 FEB 0830	31	0.	1.7	69.7	28 FEB 1645	64	9.	20.7	72.6	1 MAR 0100	97	12.	43.5	7
28 FEB 0845	32	0.	1.8	69.7	28 FEB 1700	65	9.	21.6	72.7					
28 FEB 0900	33	0.	1.9	69.8	28 FEB 1715	66	9.	22.5	72.8					

****

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 12.	24.00		11.	5.	5.	5.
		(INCHES)	.344	.610	.610	.610
		(AC-FT)	5.	10.	10.	10.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
44.	24.00	37.	14.	14.	14.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
74.12	24.00	73.68	71.30	71.30	71.30

CUMULATIVE AREA = .30 SQ MI

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148 KK     *      HP3B  *
           *            *
           **************

  9 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

151 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .01  SUBBASIN AREA

                PRECIPITATION DATA

152 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                STORM AREA =     .01

153 LS          SCS LOSS RATE
                      STRTL         .63  INITIAL ABSTRACTION
                     CRVNBR       76.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

154 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .19  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              6 END-OF-PERIOD ORDINATES
              18.       11.       3.       1.       0.       0.
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HYDROGRAPH AT STATION HP3B

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.40	.90	20.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.07	.24	16.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.04	.14	8.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.03	.11	5.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.02	.09	4.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.02	.08	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.02	.07	3.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.01	.06	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.01	.06	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.01	.05	2.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.01	.05	2.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.04	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	1.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	1.

28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.01	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.05	.04	.00	0.	*	28 FEB 2145	84	.02	.00	.01	0.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.01	0.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.01	0.
28 FEB 1015	38	.05	.05	.01	0.	*	28 FEB 2230	87	.02	.00	.01	0.
28 FEB 1030	39	.06	.05	.01	0.	*	28 FEB 2245	88	.02	.00	.01	0.
28 FEB 1045	40	.06	.05	.01	0.	*	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.05	.02	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.05	.02	1.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.06	.02	1.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.06	.03	1.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.07	.04	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.08	.05	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.09	.07	2.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.13	.12	3.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.23	.31	7.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.62, TOTAL EXCESS = 3.38

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 20.	12.25		4.	1.	1.	1.
		(INCHES)	2.736	3.367	3.367	3.367
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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            **************
            *            *
158 KK      *    HP3BCH  *
            *            *
            **************

159 KO          OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH HP3B CHANNEL

                HYDROGRAPH ROUTING DATA
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161 RS          STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       STOR  TYPE OF INITIAL CONDITION
                    RSVRIC        .00  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

162 RC          NORMAL DEPTH CHANNEL ROUTING
                       ANL       .080  LEFT OVERBANK N-VALUE
                      ANCH       .030  MAIN CHANNEL N-VALUE
                       ANR       .080  RIGHT OVERBANK N-VALUE
                     RLNTH       600.  REACH LENGTH
                       SEL      .0013  ENERGY SLOPE
                     ELMAX       74.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION
```

CROSS-SECTION DATA

		--- LEFT OVERBANK ---		+ ------ MAIN CHANNEL		------- +	--- RIGHT OVERBANK ---		
164 RY	ELEVATION	74.00	73.00	72.00	67.00	67.00	72.00	73.00	74.00
163 RX	DISTANCE	.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.03	.06	.09	.13	.17	.22	.27	.32	.38
OUTFLOW	.00	1.68	5.37	10.68	17.54	25.97	36.00	47.68	61.06	76.22
ELEVATION	67.00	67.37	67.74	68.11	68.47	68.84	69.21	69.58	69.95	70.32
STORAGE	.44	.51	.57	.65	.72	.82	.93	1.06	1.21	1.38
OUTFLOW	93.20	112.09	132.94	155.82	183.46	217.20	253.96	294.01	337.61	384.96
ELEVATION	70.68	71.05	71.42	71.79	72.16	72.53	72.89	73.26	73.63	74.00

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WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        2. TO      385.
            THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
            THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)
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HYDROGRAPH AT STATION HP3BCH

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.0	67.0	*	28 FEB 0915	34	0.	.0	67.0	*	28 FEB 1730	67	11.	.1	68.1
28 FEB 0115	2	0.	.0	67.0	*	28 FEB 0930	35	0.	.0	67.0	*	28 FEB 1745	68	11.	.1	68.1
28 FEB 0130	3	0.	.0	67.0	*	28 FEB 0945	36	0.	.0	67.0	*	28 FEB 1800	69	11.	.1	68.1
28 FEB 0145	4	0.	.0	67.0	*	28 FEB 1000	37	0.	.0	67.0	*	28 FEB 1815	70	11.	.1	68.1
28 FEB 0200	5	0.	.0	67.0	*	28 FEB 1015	38	0.	.0	67.0	*	28 FEB 1830	71	11.	.1	68.1
28 FEB 0215	6	0.	.0	67.0	*	28 FEB 1030	39	0.	.0	67.1	*	28 FEB 1845	72	11.	.1	68.1
28 FEB 0230	7	0.	.0	67.0	*	28 FEB 1045	40	0.	.0	67.1	*	28 FEB 1900	73	11.	.1	68.1
28 FEB 0245	8	0.	.0	67.0	*	28 FEB 1100	41	0.	.0	67.1	*	28 FEB 1915	74	11.	.1	68.1
28 FEB 0300	9	0.	.0	67.0	*	28 FEB 1115	42	1.	.0	67.1	*	28 FEB 1930	75	11.	.1	68.1
28 FEB 0315	10	0.	.0	67.0	*	28 FEB 1130	43	1.	.0	67.1	*	28 FEB 1945	76	11.	.1	68.1
28 FEB 0330	11	0.	.0	67.0	*	28 FEB 1145	44	1.	.0	67.2	*	28 FEB 2000	77	11.	.1	68.1
28 FEB 0345	12	0.	.0	67.0	*	28 FEB 1200	45	2.	.0	67.3	*	28 FEB 2015	78	11.	.1	68.1
28 FEB 0400	13	0.	.0	67.0	*	28 FEB 1215	46	2.	.0	67.4	*	28 FEB 2030	79	11.	.1	68.1
28 FEB 0415	14	0.	.0	67.0	*	28 FEB 1230	47	3.	.0	67.5	*	28 FEB 2045	80	11.	.1	68.1
28 FEB 0430	15	0.	.0	67.0	*	28 FEB 1245	48	5.	.1	67.7	*	28 FEB 2100	81	11.	.1	68.1
28 FEB 0445	16	0.	.0	67.0	*	28 FEB 1300	49	8.	.1	68.0	*	28 FEB 2115	82	11.	.1	68.1
FEB 0500	17	0.	.0	67.0	*	28 FEB 1315	50	20.	.1	68.6	*	28 FEB 2130	83	11.	.1	68.1
FEB 0515	18	0.	.0	67.0	*	28 FEB 1330	51	23.	.2	68.7	*	28 FEB 2145	84	11.	.1	68.1
28 FEB 0530	19	0.	.0	67.0	*	28 FEB 1345	52	15.	.1	68.4	*	28 FEB 2200	85	11.	.1	68.1
28 FEB 0545	20	0.	.0	67.0	*	28 FEB 1400	53	12.	.1	68.2	*	28 FEB 2215	86	12.	.1	68.2
28 FEB 0600	21	0.	.0	67.0	*	28 FEB 1415	54	11.	.1	68.1	*	28 FEB 2230	87	12.	.1	68.2
28 FEB 0615	22	0.	.0	67.0	*	28 FEB 1430	55	10.	.1	68.1	*	28 FEB 2245	88	12.	.1	68.2

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28 FEB 0630  23      0.      .0    67.0 * 28 FEB 1445  56      10.      .1    68.1 * 28 FEB 2300  89      12.      .1    68.2
28 FEB 0645  24      0.      .0    67.0 * 28 FEB 1500  57      10.      .1    68.1 * 28 FEB 2315  90      12.      .1    68.2
28 FEB 0700  25      0.      .0    67.0 * 28 FEB 1515  58      10.      .1    68.1 * 28 FEB 2330  91      12.      .1    68.2
28 FEB 0715  26      0.      .0    67.0 * 28 FEB 1530  59      10.      .1    68.1 * 28 FEB 2345  92      12.      .1    68.2
28 FEB 0730  27      0.      .0    67.0 * 28 FEB 1545  60      10.      .1    68.1 *  1 MAR 0000  93      12.      .1
28 FEB 0745  28      0.      .0    67.0 * 28 FEB 1600  61      10.      .1    68.1 *  1 MAR 0015  94      12.      .1    68.2
28 FEB 0800  29      0.      .0    67.0 * 28 FEB 1615  62      10.      .1    68.1 *  1 MAR 0030  95      12.      .1    68.2
28 FEB 0815  30      0.      .0    67.0 * 28 FEB 1630  63      10.      .1    68.1 *  1 MAR 0045  96      12.      .1    68.2
28 FEB 0830  31      0.      .0    67.0 * 28 FEB 1645  64      10.      .1    68.1 *  1 MAR 0100  97      12.      .1    68.2
28 FEB 0845  32      0.      .0    67.0 * 28 FEB 1700  65      11.      .1    68.1 *
28 FEB 0900  33      0.      .0    67.0 * 28 FEB 1715  66      11.      .1    68.1 *
                                        *                                          *
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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     23.     12.50                  12.          6.          6.          6.
                        (INCHES)    .351        .720        .720        .720
                         (AC-FT)     6.         12.         12.         12.

 PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       0.     12.50                   0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    68.73     12.50                68.15       67.61       67.61       67.61

                        CUMULATIVE AREA =     .31 SQ MI
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            **************
            *            *
 165 KK     *      SB5   *
            *            *
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 166 KO          OUTPUT CONTROL VARIABLES
                       IPRNT          1  PRINT CONTROL
                       IPLOT          0  PLOT CONTROL
                       QSCAL         0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

 168 BA          SUBBASIN CHARACTERISTICS
                       TAREA        .01  SUBBASIN AREA

                 PRECIPITATION DATA

 169 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .01
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170 LS          SCS LOSS RATE
                     STRTL        .35  INITIAL ABSTRACTION
                    CRVNBR      85.00  CURVE NUMBER
                     RTIMP        .00  PERCENT IMPERVIOUS AREA

  1 UD          SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .26  LAG

                                                    ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                              UNIT HYDROGRAPH
                                          7 END-OF-PERIOD ORDINATES
              14.       16.       6.       2.       1.       0.       0.
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HYDROGRAPH AT STATION SB5

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.19	1.11	23.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.03	.28	24.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.02	.16	14.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.01	.13	9.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.01	.10	6.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.01	.09	4.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.01	.08	4.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.01	.07	3.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.01	.06	3.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.00	.06	2.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.00	.06	2.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.04	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.04	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.01	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.05	.03	.02	1.	*	28 FEB 2230	87	.02	.00	.01	1.
28 FEB 1030	39	.06	.03	.03	1.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.03	.03	1.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.03	.03	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.03	.04	1.	*	28 FEB 2330	91	.01	.00	.01	1.

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28 FEB 1130   43    .08    .04    .04        2.      *     28 FEB 2345   92    .01    .00    .01        1.
28 FEB 1145   44    .09    .04    .05        2.      *      1 MAR 0000   93    .01    .00    .01        1.
28 FEB 1200   45    .10    .04    .06        2.      *      1 MAR 0015   94    .01    .00    .01        1.
28 FEB 1215   46    .13    .05    .08        3.      *      1 MAR 0030   95    .01    .00    .01        1.
28 FEB 1230   47    .16    .05    .11        3.      *      1 MAR 0045   96    .01    .00    .01        0.
28 FEB 1245   48    .25    .07    .18        5.      *      1 MAR 0100   97    .01    .00    .01        0.
28 FEB 1300   49    .54    .12    .42        9.      *
                                                     *
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   TOTAL RAINFALL =    6.00, TOTAL LOSS =    1.70, TOTAL EXCESS =    4.30

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+     24.     12.50                  5.          2.          2.          2.
                      (INCHES)    3.395       4.284       4.284       4.284
                       (AC-FT)      3.          3.          3.          3.

                       CUMULATIVE AREA =     .01 SQ MI


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          *            *
 172 KK   *    SB5SWP  *
          *            *
          **************

 173 KO        OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                             STORAGE ROUTING THROUGH WETLAND 3C

             HYDROGRAPH ROUTING DATA

 175 RS        STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC      62.40  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

 176 SA             AREA        1.0       2.2       3.1       3.8

 177 SE        ELEVATION      62.00     63.00     64.00     65.00

 178 SL        LOW-LEVEL OUTLET
                     ELEVL      62.40  ELEVATION AT CENTER OF OUTLET
                     CAREA       1.23  CROSS-SECTIONAL AREA
                      COQL        .60  COEFFICIENT
                      EXPL        .50  EXPONENT OF HEAD

 179 SS        SPILLWAY
                      CREL      64.90  SPILLWAY CREST ELEVATION
                     SPWID      30.00  SPILLWAY WIDTH
                      COQW       3.00  WEIR COEFFICIENT
                      EXPW       1.50  EXPONENT OF HEAD

                                                          ***
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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	1.59	4.27	7.75
ELEVATION	62.00	63.00	64.00	65.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	4.62	4.98	5.40	5.90	6.50	7.24	8.16	9.36
ELEVATION	62.00	62.40	63.01	63.11	63.23	63.39	63.61	63.89	64.30	64.90
OUTFLOW	9.37	9.41	9.48	9.61	9.81	10.10	10.49	10.99	11.62	12.39
ELEVATION	64.90	64.91	64.91	64.92	64.93	64.94	64.95	64.97	64.98	65.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.49	1.59	1.84	2.14	2.54	3.11	3.94	4.27	5.24
OUTFLOW	.00	.00	4.58	4.98	5.40	5.90	6.50	7.24	7.49	8.16
ELEVATION	62.00	62.40	63.00	63.11	63.23	63.39	63.61	63.89	64.00	64.30
STORAGE	7.37	7.41	7.47	7.51	7.56	7.61	7.68	7.75		
OUTFLOW	9.36	9.48	9.81	10.10	10.49	10.99	11.62	12.39		
ELEVATION	64.90	64.91	64.93	64.94	64.95	64.97	64.98	65.00		

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HYDROGRAPH AT STATION SBSSWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.5	62.4	28	FEB	0915	34	0.	.5	62.4	28	FEB	1730	67	4.	1.5	62.9
	FEB	0115	2	0.	.5	62.4	28	FEB	0930	35	0.	.5	62.4	28	FEB	1745	68	4.	1.4	62.9
28	FEB	0130	3	0.	.5	62.4	28	FEB	0945	36	0.	.5	62.4	28	FEB	1800	69	4.	1.4	62.9
28	FEB	0145	4	0.	.5	62.4	28	FEB	1000	37	0.	.6	62.4	28	FEB	1815	70	3.	1.3	62.9
28	FEB	0200	5	0.	.5	62.4	28	FEB	1015	38	0.	.6	62.4	28	FEB	1830	71	3.	1.3	62.8
28	FEB	0215	6	0.	.5	62.4	28	FEB	1030	39	0.	.6	62.4	28	FEB	1845	72	3.	1.2	62.8
28	FEB	0230	7	0.	.5	62.4	28	FEB	1045	40	0.	.6	62.5	28	FEB	1900	73	3.	1.2	62.8
28	FEB	0245	8	0.	.5	62.4	28	FEB	1100	41	0.	.6	62.5	28	FEB	1915	74	3.	1.2	62.8
28	FEB	0300	9	0.	.5	62.4	28	FEB	1115	42	1.	.6	62.5	28	FEB	1930	75	3.	1.1	62.8
28	FEB	0315	10	0.	.5	62.4	28	FEB	1130	43	1.	.6	62.5	28	FEB	1945	76	3.	1.1	62.7
28	FEB	0330	11	0.	.5	62.4	28	FEB	1145	44	1.	.7	62.5	28	FEB	2000	77	2.	1.1	62.7
28	FEB	0345	12	0.	.5	62.4	28	FEB	1200	45	1.	.7	62.5	28	FEB	2015	78	2.	1.0	62.7
28	FEB	0400	13	0.	.5	62.4	28	FEB	1215	46	1.	.7	62.5	28	FEB	2030	79	2.	1.0	62.7
28	FEB	0415	14	0.	.5	62.4	28	FEB	1230	47	1.	.7	62.5	28	FEB	2045	80	2.	1.0	62.7
28	FEB	0430	15	0.	.5	62.4	28	FEB	1245	48	1.	.8	62.6	28	FEB	2100	81	2.	.9	62.6
28	FEB	0445	16	0.	.5	62.4	28	FEB	1300	49	2.	.9	62.6	28	FEB	2115	82	2.	.9	62.6
28	FEB	0500	17	0.	.5	62.4	28	FEB	1315	50	3.	1.2	62.8	28	FEB	2130	83	2.	.9	62.6
28	FEB	0515	18	0.	.5	62.4	28	FEB	1330	51	5.	1.6	63.0	28	FEB	2145	84	2.	.9	62.6
28	FEB	0530	19	0.	.5	62.4	28	FEB	1345	52	5.	1.9	63.1	28	FEB	2200	85	2.	.9	62.6
28	FEB	0545	20	0.	.5	62.4	28	FEB	1400	53	5.	2.0	63.2	28	FEB	2215	86	1.	.8	62.6
28	FEB	0600	21	0.	.5	62.4	28	FEB	1415	54	5.	2.1	63.2	28	FEB	2230	87	1.	.8	62.6
28	FEB	0615	22	0.	.5	62.4	28	FEB	1430	55	5.	2.1	63.2	28	FEB	2245	88	1.	.8	62.6
28	FEB	0630	23	0.	.5	62.4	28	FEB	1445	56	5.	2.1	63.2	28	FEB	2300	89	1.	.8	62.6
28	FEB	0645	24	0.	.5	62.4	28	FEB	1500	57	5.	2.0	63.2	28	FEB	2315	90	1.	.8	62.6
28	FEB	0700	25	0.	.5	62.4	28	FEB	1515	58	5.	2.0	63.2	28	FEB	2330	91	1.	.8	62.6
28	FEB	0715	26	0.	.5	62.4	28	FEB	1530	59	5.	1.9	63.1	28	FEB	2345	92	1.	.8	62.5
28	FEB	0730	27	0.	.5	62.4	28	FEB	1545	60	5.	1.9	63.1	1	MAR	0000	93	1.	.7	62.5
28	FEB	0745	28	0.	.5	62.4	28	FEB	1600	61	5.	1.8	63.1	1	MAR	0015	94	1.	.7	62.5
28	FEB	0800	29	0.	.5	62.4	28	FEB	1615	62	5.	1.7	63.1	1	MAR	0030	95	1.	.7	62.5
	FEB	0815	30	0.	.5	62.4	28	FEB	1630	63	5.	1.7	63.0	1	MAR	0045	96	1.	.7	62.5
28	FEB	0830	31	0.	.5	62.4	28	FEB	1645	64	5.	1.6	63.0	1	MAR	0100	97	1.	.7	62.5
28	FEB	0845	32	0.	.5	62.4	28	FEB	1700	65	4.	1.6	63.0							
28	FEB	0900	33	0.	.5	62.4	28	FEB	1715	66	4.	1.5	63.0							

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+       5.     13.25                  4.          2.          2.          2.
                        (INCHES)   2.755       4.017       4.017       4.017
                         (AC-FT)      2.          3.          3.          3.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+ (AC-FT)      (HR)
       2.     13.25                  2.          1.          1.          1.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    63.21     13.25                 63.02       62.62       62.62       62.62

                        CUMULATIVE AREA =     .01 SQ MI


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           *            *
 180 KK    *      CW1   *
           *            *
           **************

 181 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 183 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .01  SUBBASIN AREA

                 PRECIPITATION DATA

 184 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .01

 185 LS          SCS LOSS RATE
                       STRTL         .50  INITIAL ABSTRACTION
                      CRVNBR       80.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 186 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .17  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG
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UNIT HYDROGRAPH
5 END-OF-PERIOD ORDINATES

17. 8. 2. 1. 0.

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HYDROGRAPH AT STATION CW1

****

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	28	FEB	1315	50	1.30	.31	.99	20.
28	FEB	0115	2	.01	.01	.00	0.	28	FEB	1330	51	.31	.05	.26	14.
28	FEB	0130	3	.01	.01	.00	0.	28	FEB	1345	52	.18	.03	.15	7.
28	FEB	0145	4	.01	.01	.00	0.	28	FEB	1400	53	.14	.02	.12	4.
28	FEB	0200	5	.01	.01	.00	0.	28	FEB	1415	54	.11	.02	.09	3.
28	FEB	0215	6	.01	.01	.00	0.	28	FEB	1430	55	.10	.01	.08	3.
28	FEB	0230	7	.01	.01	.00	0.	28	FEB	1445	56	.08	.01	.07	2.
28	FEB	0245	8	.01	.01	.00	0.	28	FEB	1500	57	.08	.01	.07	2.
28	FEB	0300	9	.01	.01	.00	0.	28	FEB	1515	58	.07	.01	.06	2.
28	FEB	0315	10	.01	.01	.00	0.	28	FEB	1530	59	.06	.01	.06	2.
28	FEB	0330	11	.02	.02	.00	0.	28	FEB	1545	60	.06	.01	.05	2.
28	FEB	0345	12	.02	.02	.00	0.	28	FEB	1600	61	.06	.01	.05	1.
28	FEB	0400	13	.02	.02	.00	0.	28	FEB	1615	62	.05	.01	.05	1.
28	FEB	0415	14	.02	.02	.00	0.	28	FEB	1630	63	.05	.01	.04	1.
28	FEB	0430	15	.02	.02	.00	0.	28	FEB	1645	64	.05	.01	.04	1.
28	FEB	0445	16	.02	.02	.00	0.	28	FEB	1700	65	.05	.01	.04	1.
28	FEB	0500	17	.02	.02	.00	0.	28	FEB	1715	66	.04	.01	.04	1.
28	FEB	0515	18	.02	.02	.00	0.	28	FEB	1730	67	.04	.00	.04	1.
28	FEB	0530	19	.02	.02	.00	0.	28	FEB	1745	68	.04	.00	.04	1.
28	FEB	0545	20	.02	.02	.00	0.	28	FEB	1800	69	.04	.00	.03	1.
28	FEB	0600	21	.02	.02	.00	0.	28	FEB	1815	70	.04	.00	.03	1.
28	FEB	0615	22	.02	.02	.00	0.	28	FEB	1830	71	.04	.00	.03	1.
28	FEB	0630	23	.02	.02	.00	0.	28	FEB	1845	72	.04	.00	.03	1.
28	FEB	0645	24	.02	.02	.00	0.	28	FEB	1900	73	.03	.00	.03	1.
28	FEB	0700	25	.02	.02	.00	0.	28	FEB	1915	74	.02	.00	.02	1.
28	FEB	0715	26	.03	.03	.00	0.	28	FEB	1930	75	.02	.00	.02	1.
28	FEB	0730	27	.03	.03	.00	0.	28	FEB	1945	76	.02	.00	.02	1.
28	FEB	0745	28	.04	.04	.00	0.	28	FEB	2000	77	.02	.00	.02	1.
28	FEB	0800	29	.04	.04	.00	0.	28	FEB	2015	78	.02	.00	.02	1.
28	FEB	0815	30	.04	.04	.00	0.	28	FEB	2030	79	.02	.00	.02	0.
28	FEB	0830	31	.04	.04	.00	0.	28	FEB	2045	80	.02	.00	.02	0.
28	FEB	0845	32	.04	.04	.00	0.	28	FEB	2100	81	.02	.00	.02	0.
28	FEB	0900	33	.04	.04	.01	0.	28	FEB	2115	82	.02	.00	.02	0.
28	FEB	0915	34	.04	.04	.01	0.	28	FEB	2130	83	.02	.00	.02	0.
28	FEB	0930	35	.05	.04	.01	0.	28	FEB	2145	84	.02	.00	.02	0.
28	FEB	0945	36	.05	.04	.01	0.	28	FEB	2200	85	.02	.00	.01	0.
28	FEB	1000	37	.05	.04	.01	0.	28	FEB	2215	86	.02	.00	.01	0.
28	FEB	1015	38	.05	.04	.01	0.	28	FEB	2230	87	.02	.00	.01	0.
28	FEB	1030	39	.06	.04	.02	0.	28	FEB	2245	88	.02	.00	.01	0.
28	FEB	1045	40	.06	.04	.02	1.	28	FEB	2300	89	.02	.00	.01	0.
28	FEB	1100	41	.07	.04	.02	1.	28	FEB	2315	90	.01	.00	.01	0.
28	FEB	1115	42	.07	.05	.03	1.	28	FEB	2330	91	.01	.00	.01	0.
28	FEB	1130	43	.08	.05	.03	1.	28	FEB	2345	92	.01	.00	.01	0.
28	FEB	1145	44	.09	.05	.04	1.	1	MAR	0000	93	.01	.00	.01	0.
28	FEB	1200	45	.10	.05	.05	1.	1	MAR	0015	94	.01	.00	.01	0.
28	FEB	1215	46	.13	.06	.06	2.	1	MAR	0030	95	.01	.00	.01	0.
28	FEB	1230	47	.16	.07	.08	2.	1	MAR	0045	96	.01	.00	.01	0.
28	FEB	1245	48	.25	.10	.15	3.	1	MAR	0100	97	.01	.00	.01	0.
28	FEB	1300	49	.54	.18	.35	8.								

****

TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.22, TOTAL EXCESS = 3.78

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+   (CFS)       (HR)
                          (CFS)
+      20.     12.25                  4.          1.          1.          1.
                       (INCHES)    3.032       3.769       3.769       3.769
                        (AC-FT)      2.          2.          2.          2.

                        CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
 190 KK   *    CW1CHL  *
          *            *
          **************

 191 KO         OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH CW1 CHANNEL

              HYDROGRAPH ROUTING DATA

 193 RS         STORAGE ROUTING
                      NSTPS           1  NUMBER OF SUBREACHES
                       ITYP        ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC       61.00  INITIAL CONDITION
                          X         .00 WORKING R AND D COEFFICIENT

 194 SA              AREA          .0        .0        .1        .2        .3

 195 SE         ELEVATION       61.00     63.00     64.00     65.00     66.00

 196 SL         LOW-LEVEL OUTLET
                      ELEVL       62.60  ELEVATION AT CENTER OF OUTLET
                      CAREA       12.57  CROSS-SECTIONAL AREA
                       COQL         .60  COEFFICIENT
                       EXPL         .50  EXPONENT OF HEAD

 197 SS         SPILLWAY
                       CREL       65.90  SPILLWAY CREST ELEVATION
                      SPWID         .00  SPILLWAY WIDTH
                       COQW         .00  WEIR COEFFICIENT
                       EXPW        1.50  EXPONENT OF HEAD

                                                        ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .01       .08       .25       .49
        ELEVATION      61.00     63.00     64.00     65.00     66.00

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00     81.56     84.67     88.04     91.69     95.64     99.96    104.69    109.88
        ELEVATION      61.00     62.60     64.42     64.56     64.72     64.90     65.10     65.33     65.60     65.90

                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA
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STORAGE	.00	.01	.01	.08	.14	.17	.19	.23	.25	.27
OUTFLOW	.00	.00	38.26	71.57	81.56	84.67	88.04	91.69	93.71	95.64
ELEVATION	61.00	62.60	63.00	64.00	64.42	64.56	64.72	64.90	65.00	65.10

STORAGE	.32	.39	.46	.49
OUTFLOW	99.96	104.69	109.88	111.53
ELEVATION	65.33	65.60	65.90	66.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 92.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION CW1CHL

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	61.0	28	FEB	0915	34	0.	.0	62.6	28	FEB	1730	67	180.	1.6	70.1
28	FEB	0115	2	0.	.0	61.0	28	FEB	0930	35	0.	.0	62.6	28	FEB	1745	68	181.	1.6	70.2
28	FEB	0130	3	0.	.0	61.0	28	FEB	0945	36	1.	.0	62.6	28	FEB	1800	69	182.	1.6	70.2
28	FEB	0145	4	0.	.0	61.0	28	FEB	1000	37	1.	.0	62.6	28	FEB	1815	70	182.	1.6	70.3
28	FEB	0200	5	0.	.0	61.0	28	FEB	1015	38	2.	.0	62.6	28	FEB	1830	71	182.	1.6	70.3
28	FEB	0215	6	0.	.0	61.0	28	FEB	1030	39	4.	.0	62.6	28	FEB	1845	72	182.	1.6	70.3
28	FEB	0230	7	0.	.0	61.0	28	FEB	1045	40	6.	.0	62.7	28	FEB	1900	73	181.	1.6	70.2
28	FEB	0245	8	0.	.0	61.0	28	FEB	1100	41	9.	.0	62.7	28	FEB	1915	74	179.	1.5	70.1
28	FEB	0300	9	0.	.0	61.0	28	FEB	1115	42	13.	.0	62.7	28	FEB	1930	75	176.	1.5	69.9
28	FEB	0315	10	0.	.0	61.0	28	FEB	1130	43	17.	.0	62.8	28	FEB	1945	76	172.	1.4	69.6
28	FEB	0330	11	0.	.0	61.0	28	FEB	1145	44	19.	.0	62.8	28	FEB	2000	77	165.	1.3	69.2
28	FEB	0345	12	0.	.0	61.0	28	FEB	1200	45	22.	.0	62.8	28	FEB	2015	78	158.	1.2	68.8
	FEB	0400	13	0.	.0	61.0	28	FEB	1215	46	25.	.0	62.9	28	FEB	2030	79	151.	1.1	68.4
	FEB	0415	14	0.	.0	61.0	28	FEB	1230	47	30.	.0	62.9	28	FEB	2045	80	144.	1.0	67.9
28	FEB	0430	15	0.	.0	61.0	28	FEB	1245	48	35.	.0	63.0	28	FEB	2100	81	137.	.9	67.5
28	FEB	0445	16	0.	.0	61.0	28	FEB	1300	49	47.	.0	63.3	28	FEB	2115	82	131.	.8	67.2
28	FEB	0500	17	0.	.0	61.0	28	FEB	1315	50	78.	.1	64.3	28	FEB	2130	83	125.	.7	66.8
28	FEB	0515	18	0.	.0	61.0	28	FEB	1330	51	94.	.3	65.0	28	FEB	2145	84	119.	.6	66.5
28	FEB	0530	19	0.	.0	61.0	28	FEB	1345	52	102.	.4	65.4	28	FEB	2200	85	114.	.5	66.2
28	FEB	0545	20	0.	.0	61.0	28	FEB	1400	53	109.	.5	65.9	28	FEB	2215	86	109.	.5	65.9
28	FEB	0600	21	0.	.0	61.0	28	FEB	1415	54	119.	.6	66.4	28	FEB	2230	87	105.	.4	65.6
28	FEB	0615	22	0.	.0	61.0	28	FEB	1430	55	128.	.7	67.0	28	FEB	2245	88	100.	.3	65.3
28	FEB	0630	23	0.	.0	61.0	28	FEB	1445	56	137.	.9	67.5	28	FEB	2300	89	96.	.3	65.1
28	FEB	0645	24	0.	.0	61.0	28	FEB	1500	57	144.	1.0	67.9	28	FEB	2315	90	92.	.2	64.9
28	FEB	0700	25	0.	.0	61.0	28	FEB	1515	58	150.	1.1	68.3	28	FEB	2330	91	89.	.2	64.7
28	FEB	0715	26	0.	.0	61.0	28	FEB	1530	59	155.	1.2	68.6	28	FEB	2345	92	85.	.2	64.6
28	FEB	0730	27	0.	.0	61.1	28	FEB	1545	60	160.	1.2	68.9	1	MAR	0000	93	82.	.1	64.5
28	FEB	0745	28	0.	.0	61.1	28	FEB	1600	61	164.	1.3	69.2	1	MAR	0015	94	80.	.1	64.3
28	FEB	0800	29	0.	.0	61.3	28	FEB	1615	62	168.	1.4	69.4	1	MAR	0030	95	77.	.1	64.2
28	FEB	0815	30	0.	.0	61.6	28	FEB	1630	63	171.	1.4	69.6	1	MAR	0045	96	75.	.1	64.1
28	FEB	0830	31	0.	.0	62.2	28	FEB	1645	64	174.	1.5	69.8	1	MAR	0100	97	73.	.1	64.0
28	FEB	0845	32	0.	.0	62.6	28	FEB	1700	65	176.	1.5	69.9							
28	FEB	0900	33	0.	.0	62.6	28	FEB	1715	66	178.	1.5	70.0							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
182.	17.50		169.	70.	70.	70.
		(INCHES)	1.108	1.833	1.833	1.833
		(AC-FT)	84.	139.	139.	139.

PEAK STORAGE TIME MAXIMUM AVERAGE STORAGE

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                                    6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       2.     17.25                  1.          0.          0.           0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
    70.28     17.50                69.47       64.59       64.59        64.59

                       CUMULATIVE AREA =    1.42 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


           **************
           *            *
 198 KK    *      CW2   *
           *            *
           **************

 199 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 201 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .03  SUBBASIN AREA

                 PRECIPITATION DATA

 202 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =      .03

 203 LS          SCS LOSS RATE
                      STRTL         .17  INITIAL ABSTRACTION
                     CRVNBR       92.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

 204 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .16  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                  5 END-OF-PERIOD ORDINATES
              43.       18.        4.        1.        0.

*****************************************************************************************************************************

                                              HYDROGRAPH AT STATION      CW2

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q       *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
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28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.07	1.23	63.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.01	.30	38.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.01	.17	19.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.00	.14	12.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.00	.11	9.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.00	.09	7.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.00	.08	6.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.00	.07	5.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.00	.07	5.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.00	.06	4.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.00	.06	4.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.05	4.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	4.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	3.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.05	3.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	3.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	3.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	3.
28 FEB 0530	19	.02	.01	.00	0.	*	28 FEB 1745	68	.04	.00	.04	3.
28 FEB 0545	20	.02	.01	.00	0.	*	28 FEB 1800	69	.04	.00	.04	3.
28 FEB 0600	21	.02	.01	.00	0.	*	28 FEB 1815	70	.04	.00	.04	3.
28 FEB 0615	22	.02	.01	.01	0.	*	28 FEB 1830	71	.04	.00	.04	2.
28 FEB 0630	23	.02	.01	.01	0.	*	28 FEB 1845	72	.04	.00	.03	2.
28 FEB 0645	24	.02	.01	.01	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.02	.01	.01	0.	*	28 FEB 1915	74	.02	.00	.02	2.
28 FEB 0715	26	.03	.02	.01	1.	*	28 FEB 1930	75	.02	.00	.02	2.
28 FEB 0730	27	.03	.02	.01	1.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.02	.02	1.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.02	.02	1.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.02	.02	1.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.02	.02	1.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.02	.02	2.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.02	.03	2.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.02	.03	2.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.02	.03	2.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.02	.03	2.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.02	.04	2.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.05	.02	.04	2.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.02	.04	3.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.06	.02	.05	3.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.02	.05	3.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.02	.06	4.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.02	.06	4.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.02	.07	5.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.02	.09	5.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.02	.11	7.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.02	.14	8.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.25	.03	.22	13.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.54	.05	.49	26.	*						

****

TOTAL RAINFALL = 6.00, TOTAL LOSS = .93, TOTAL EXCESS = 5.07

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
+ 63.	12.25		11.	4.	4.	4.
		(INCHES)	3.873	5.057	5.057	5.057
		(AC-FT)	5.	7.	7.	7.

CUMULATIVE AREA = .03 SQ MI

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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

          **************
          *            *
208 KK    *     CW2CH  *
          *            *
          **************

209 KO          OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTINGTHROUGH CW2 CHANNEL

             HYDROGRAPH ROUTING DATA

211 RS          STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC      59.90  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

212 SA              AREA         .0       .1       .1       .2       .2       .2

213 SE          ELEVATION      59.90    61.00    63.00    65.00    67.00    67.70

214 SL          LOW-LEVEL OUTLET
                     ELEVL      61.80  ELEVATION AT CENTER OF OUTLET
                     CAREA      12.57  CROSS-SECTIONAL AREA
                      COQL        .60  COEFFICIENT
                      EXPL        .50  EXPONENT OF HEAD

215 SS          SPILLWAY
                      CREL      67.50  SPILLWAY CREST ELEVATION
                     SPWID      30.00  SPILLWAY WIDTH
                      COQW       3.00  WEIR COEFFICIENT
                      EXPW       1.50  EXPONENT OF HEAD

                                                  ***

                                      COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00      .03      .24      .54      .95     1.11
        ELEVATION     59.90    61.00    63.00    65.00    67.00    67.70

                                      COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00      .00    83.41    88.76    94.86   101.85   109.95   119.45   130.75   144.41
        ELEVATION     59.90    61.80    63.70    63.95    64.26    64.64    65.10    65.70    66.47    67.50

          OUTFLOW    144.82   145.15   145.63   146.28   147.12   148.17   149.45   151.00   152.83   154.97
        ELEVATION     67.52    67.53    67.54    67.56    67.57    67.59    67.62    67.64    67.67    67.70

                                    COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      .03      .10      .24      .34      .37      .42      .48      .54      .56
          OUTFLOW       .00      .00      .00    66.26    83.41    88.76    94.86   101.85   108.20   109.95
        ELEVATION     59.90    61.00    61.80    63.00    63.70    63.95    64.26    64.64    65.00    65.10

          STORAGE       .68      .83      .95     1.06     1.07     1.07     1.07     1.08     1.08     1.08
          OUTFLOW    119.45   130.75   137.93   144.41   144.82   145.15   145.63   146.28   147.12   148.17
        ELEVATION     65.70    66.47    67.00    67.50    67.52    67.53    67.54    67.56    67.57    67.59
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STORAGE	1.09	1.10	1.10	1.11
OUTFLOW	149.45	151.00	152.83	154.97
ELEVATION	67.62	67.64	67.67	67.70

WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 155.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION CW2CH

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	59.9	28	FEB	0915	34	2.	.1	61.8	28	FEB	1730	67	182.	1.2	68.1
28	FEB	0115	2	0.	.0	59.9	28	FEB	0930	35	2.	.1	61.8	28	FEB	1745	68	183.	1.2	68.1
28	FEB	0130	3	0.	.0	59.9	28	FEB	0945	36	3.	.1	61.8	28	FEB	1800	69	184.	1.2	68.1
28	FEB	0145	4	0.	.0	59.9	28	FEB	1000	37	3.	.1	61.9	28	FEB	1815	70	185.	1.2	68.1
28	FEB	0200	5	0.	.0	59.9	28	FEB	1015	38	5.	.1	61.9	28	FEB	1830	71	185.	1.2	68.1
28	FEB	0215	6	0.	.0	59.9	28	FEB	1030	39	6.	.1	61.9	28	FEB	1845	72	184.	1.2	68.1
28	FEB	0230	7	0.	.0	59.9	28	FEB	1045	40	9.	.1	62.0	28	FEB	1900	73	183.	1.2	68.1
28	FEB	0245	8	0.	.0	59.9	28	FEB	1100	41	12.	.1	62.0	28	FEB	1915	74	181.	1.2	68.1
28	FEB	0300	9	0.	.0	59.9	28	FEB	1115	42	16.	.1	62.1	28	FEB	1930	75	178.	1.2	68.0
28	FEB	0315	10	0.	.0	59.9	28	FEB	1130	43	20.	.1	62.2	28	FEB	1945	76	174.	1.2	68.0
28	FEB	0330	11	0.	.0	59.9	28	FEB	1145	44	23.	.2	62.2	28	FEB	2000	77	168.	1.2	67.9
28	FEB	0345	12	0.	.0	59.9	28	FEB	1200	45	27.	.2	62.3	28	FEB	2015	78	160.	1.1	67.8
28	FEB	0400	13	0.	.0	59.9	28	FEB	1215	46	32.	.2	62.4	28	FEB	2030	79	153.	1.1	67.7
28	FEB	0415	14	0.	.0	59.9	28	FEB	1230	47	37.	.2	62.5	28	FEB	2045	80	146.	1.1	67.6
28	FEB	0430	15	0.	.0	59.9	28	FEB	1245	48	47.	.2	62.6	28	FEB	2100	81	142.	1.0	67.3
	FEB	0445	16	0.	.0	60.0	28	FEB	1300	49	69.	.3	63.1	28	FEB	2115	82	137.	.9	66.9
	FEB	0500	17	0.	.0	60.0	28	FEB	1315	50	113.	.6	65.3	28	FEB	2130	83	131.	.8	66.5
28	FEB	0515	18	0.	.0	60.2	28	FEB	1330	51	133.	.9	66.7	28	FEB	2145	84	124.	.7	66.0
28	FEB	0530	19	0.	.0	60.3	28	FEB	1345	52	128.	.8	66.3	28	FEB	2200	85	119.	.7	65.7
28	FEB	0545	20	0.	.0	60.5	28	FEB	1400	53	122.	.7	65.9	28	FEB	2215	86	113.	.6	65.3
28	FEB	0600	21	0.	.0	60.7	28	FEB	1415	54	124.	.7	66.0	28	FEB	2230	87	108.	.5	65.0
28	FEB	0615	22	0.	.0	60.9	28	FEB	1430	55	130.	.8	66.4	28	FEB	2245	88	103.	.5	64.7
28	FEB	0630	23	0.	.0	61.1	28	FEB	1445	56	137.	.9	66.9	28	FEB	2300	89	99.	.5	64.5
28	FEB	0645	24	0.	.0	61.2	28	FEB	1500	57	143.	1.0	67.4	28	FEB	2315	90	95.	.4	64.3
28	FEB	0700	25	0.	.1	61.3	28	FEB	1515	58	154.	1.1	67.7	28	FEB	2330	91	91.	.4	64.1
28	FEB	0715	26	0.	.1	61.4	28	FEB	1530	59	159.	1.1	67.8	28	FEB	2345	92	88.	.4	63.9
28	FEB	0730	27	0.	.1	61.6	28	FEB	1545	60	164.	1.1	67.8	1	MAR	0000	93	84.	.3	63.7
28	FEB	0745	28	0.	.1	61.8	28	FEB	1600	61	167.	1.2	67.9	1	MAR	0015	94	81.	.3	63.6
28	FEB	0800	29	2.	.1	61.8	28	FEB	1615	62	171.	1.2	67.9	1	MAR	0030	95	79.	.3	63.5
28	FEB	0815	30	1.	.1	61.8	28	FEB	1630	63	174.	1.2	68.0	1	MAR	0045	96	76.	.3	63.4
28	FEB	0830	31	2.	.1	61.8	28	FEB	1645	64	177.	1.2	68.0	1	MAR	0100	97	74.	.3	63.3
28	FEB	0845	32	1.	.1	61.8	28	FEB	1700	65	179.	1.2	68.0							
28	FEB	0900	33	2.	.1	61.8	28	FEB	1715	66	181.	1.2	68.1							

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 185.	17.50		172.	73.	73.	73.
		(INCHES)	1.105	1.888	1.888	1.888
		(AC-FT)	85.	145.	145.	145.

X STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	17.25	1.	0.	0.	0.

```
 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    68.12     17.50                 67.93       63.82       63.82        63.82

                      CUMULATIVE AREA =    1.44 SQ MI


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          *            *
 216 KK   *    SB3&4   *
          *            *
          **************

 217 KO        OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION - SB3 & SB4

             SUBBASIN RUNOFF DATA

 219 BA        SUBBASIN CHARACTERISTICS
                     TAREA         .02  SUBBASIN AREA

               PRECIPITATION DATA

 220 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .02

 221 LS        SCS LOSS RATE
                     STRTL         .30  INITIAL ABSTRACTION
                    CRVNBR       87.00  CURVE NUMBER
                     RTIMP         .00  PERCENT IMPERVIOUS AREA

 222 UD        SCS DIMENSIONLESS UNITGRAPH
                      TLAG         .07  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                  5 END-OF-PERIOD ORDINATES
              33.        9.        2.        0.        0.

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                                              HYDROGRAPH AT STATION    SB3&4

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.30     .15    1.15        42.
      28 FEB 0115    2     .01     .01     .00         0.        *      28 FEB 1330   51     .31     .03     .28        21.
      28 FEB 0130    3     .01     .01     .00         0.        *      28 FEB 1345   52     .18     .01     .17        10.
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28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.01	.13	7.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.01	.10	5.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.01	.09	4.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.01	.08	4.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.00	.07	3.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.00	.07	3.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.00	.06	3.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.00	.06	3.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.05	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.04	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	2.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.01	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.03	.01	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	1.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	1.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.02	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.02	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.05	.03	.03	1.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.03	.03	1.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.03	.03	1.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.03	.04	2.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.03	.04	2.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.03	.05	2.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.03	.06	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.03	.07	3.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.04	.09	4.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.04	.11	5.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.25	.06	.19	7.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.54	.10	.44	16.	*						
						*						

****

TOTAL RAINFALL = 6.00, TOTAL LOSS = 1.48, TOTAL EXCESS = 4.52

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 42.	12.25		6.	2.	2.	2.
		(INCHES)	3.540	4.507	4.507	4.507
		(AC-FT)	3.	4.	4.	4.

CUMULATIVE AREA = .02 SQ MI

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          **************
          *            *
223 KK    *    SB34PD  *
          *            *
          **************

224 KO        OUTPUT CONTROL VARIABLES
                    IPRNT           1  PRINT CONTROL
                    IPLOT           0  PLOT CONTROL
                    QSCAL          0.  HYDROGRAPH PLOT SCALE
                             STORAGE ROUTING THROUGH SB3 & SB4

            HYDROGRAPH ROUTING DATA

226 RS        STORAGE ROUTING
                    NSTPS           1  NUMBER OF SUBREACHES
                     ITYP        ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC       59.10  INITIAL CONDITION
                        X         .00 WORKING R AND D COEFFICIENT

227 SA            AREA          .2        .5       1.7

228 SE        ELEVATION      63.50     65.70     66.00

229 SS        SPILLWAY
                     CREL      65.90  SPILLWAY CREST ELEVATION
                    SPWID      40.00  SPILLWAY WIDTH
                     COQW       3.00  WEIR COEFFICIENT
                     EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .77      1.08
        ELEVATION      63.50     65.70     66.00

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00       .00       .01       .02       .04       .08       .14       .22       .33
        ELEVATION      63.50     65.90     65.90     65.90     65.90     65.90     65.91     65.91     65.92     65.92

          OUTFLOW        .47       .65       .87      1.12      1.43      1.79      2.20      2.67      3.20      3.79
        ELEVATION      65.93     65.93     65.94     65.94     65.95     65.96     65.97     65.98     65.99     66.00

                                     COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00       .77       .93       .94       .96       .98      1.00      1.03      1.06      1.08
          OUTFLOW        .00       .00       .00       .14       .47       .87      1.43      2.20      3.20      3.79
        ELEVATION      63.50     65.70     65.90     65.91     65.93     65.94     65.95     65.97     65.99     66.00

*****************************************************************************************************************************

                                        HYDROGRAPH AT STATION   SB34PD

*****************************************************************************************************************************
                                                *                                                *
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   ST
                                                *                                                *
28 FEB 0100   1      0.       .0    63.5 * 28 FEB 0915  34      0.       .1    63.7 * 28 FEB 1730  67      2.      1.0    66.0
28 FEB 0115   2      0.       .0    63.5 * 28 FEB 0930  35      0.       .1    63.8 * 28 FEB 1745  68      2.      1.0    66.0
28 FEB 0130   3      0.       .0    63.5 * 28 FEB 0945  36      0.       .1    63.8 * 28 FEB 1800  69      2.      1.0    66.0
28 FEB 0145   4      0.       .0    63.5 * 28 FEB 1000  37      0.       .1    63.9 * 28 FEB 1815  70      2.      1.0    66.0
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28	FEB	0200	5	0.	.0	63.5	*	28	FEB	1015	38	0.	.2	64.0	*	28	FEB	1830	71	2.	1.0	66.0
28	FEB	0215	6	0.	.0	63.5	*	28	FEB	1030	39	0.	.2	64.0	*	28	FEB	1845	72	2.	1.0	66.0
28	FEB	0230	7	0.	.0	63.5	*	28	FEB	1045	40	0.	.2	64.1	*	28	FEB	1900	73	2.	1.0	66.0
28	FEB	0245	8	0.	.0	63.5	*	28	FEB	1100	41	0.	.2	64.2	*	28	FEB	1915	74	1.	1.0	66.0
	FEB	0300	9	0.	.0	63.5	*	28	FEB	1115	42	0.	.3	64.3	*	28	FEB	1930	75	1.	1.0	65.9
	FEB	0315	10	0.	.0	63.5	*	28	FEB	1130	43	0.	.3	64.4	*	28	FEB	1945	76	1.	1.0	65.9
28	FEB	0330	11	0.	.0	63.5	*	28	FEB	1145	44	0.	.4	64.6	*	28	FEB	2000	77	1.	1.0	65.9
28	FEB	0345	12	0.	.0	63.5	*	28	FEB	1200	45	0.	.4	64.7	*	28	FEB	2015	78	1.	1.0	65.9
28	FEB	0400	13	0.	.0	63.5	*	28	FEB	1215	46	0.	.5	64.9	*	28	FEB	2030	79	1.	1.0	65.9
28	FEB	0415	14	0.	.0	63.5	*	28	FEB	1230	47	0.	.6	65.2	*	28	FEB	2045	80	1.	1.0	65.9
28	FEB	0430	15	0.	.0	63.5	*	28	FEB	1245	48	0.	.7	65.5	*	28	FEB	2100	81	1.	1.0	65.9
28	FEB	0445	16	0.	.0	63.5	*	28	FEB	1300	49	0.	.9	65.9	*	28	FEB	2115	82	1.	1.0	65.9
28	FEB	0500	17	0.	.0	63.5	*	28	FEB	1315	50	14.	1.4	66.2	*	28	FEB	2130	83	1.	1.0	65.9
28	FEB	0515	18	0.	.0	63.5	*	28	FEB	1330	51	23.	1.7	66.3	*	28	FEB	2145	84	1.	1.0	65.9
28	FEB	0530	19	0.	.0	63.5	*	28	FEB	1345	52	19.	1.5	66.3	*	28	FEB	2200	85	1.	1.0	65.9
28	FEB	0545	20	0.	.0	63.5	*	28	FEB	1400	53	14.	1.4	66.2	*	28	FEB	2215	86	1.	1.0	65.9
28	FEB	0600	21	0.	.0	63.5	*	28	FEB	1415	54	10.	1.3	66.1	*	28	FEB	2230	87	1.	1.0	65.9
28	FEB	0615	22	0.	.0	63.5	*	28	FEB	1430	55	7.	1.2	66.1	*	28	FEB	2245	88	1.	1.0	65.9
28	FEB	0630	23	0.	.0	63.5	*	28	FEB	1445	56	5.	1.1	66.0	*	28	FEB	2300	89	1.	1.0	65.9
28	FEB	0645	24	0.	.0	63.5	*	28	FEB	1500	57	4.	1.1	66.0	*	28	FEB	2315	90	1.	1.0	65.9
28	FEB	0700	25	0.	.0	63.5	*	28	FEB	1515	58	4.	1.1	66.0	*	28	FEB	2330	91	1.	1.0	65.9
28	FEB	0715	26	0.	.0	63.5	*	28	FEB	1530	59	3.	1.1	66.0	*	28	FEB	2345	92	1.	1.0	65.9
28	FEB	0730	27	0.	.0	63.5	*	28	FEB	1545	60	3.	1.0	66.0	*	1	MAR	0000	93	1.	1.0	65.9
28	FEB	0745	28	0.	.0	63.5	*	28	FEB	1600	61	3.	1.0	66.0	*	1	MAR	0015	94	1.	1.0	65.9
28	FEB	0800	29	0.	.0	63.6	*	28	FEB	1615	62	3.	1.0	66.0	*	1	MAR	0030	95	1.	1.0	65.9
28	FEB	0815	30	0.	.0	63.6	*	28	FEB	1630	63	2.	1.0	66.0	*	1	MAR	0045	96	1.	1.0	65.9
28	FEB	0830	31	0.	.0	63.6	*	28	FEB	1645	64	2.	1.0	66.0	*	1	MAR	0100	97	1.	1.0	65.9
28	FEB	0845	32	0.	.1	63.7	*	28	FEB	1700	65	2.	1.0	66.0	*							
28	FEB	0900	33	0.	.1	63.7	*	28	FEB	1715	66	2.	1.0	66.0	*							
							*								*							

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 23.	12.50		5.	2.	2.	2.
		(INCHES)	2.998	3.441	3.441	3.441
		(AC-FT)	3.	3.	3.	3.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
2.	12.50	1.	1.	1.	1.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
66.34	12.50	66.03	64.89	64.89	64.89

CUMULATIVE AREA = .02 SQ MI

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              *            *
  3 KK        *   SB34CH   *
              *            *
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234 KO OUTPUT CONTROL VARIABLES

IPRNT 1 PRINT CONTROL

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                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH COMMERCE WAY at SB34

          HYDROGRAPH ROUTING DATA

236 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      59.10  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

237 SA          AREA          .0        .0        .1        .1        .1

238 SE        ELEVATION      59.10     60.00     62.00     64.00     66.00

239 SL        LOW-LEVEL OUTLET
                ELEVL      61.40  ELEVATION AT CENTER OF OUTLET
                CAREA      12.57  CROSS-SECTIONAL AREA
                 COQL        .60  COEFFICIENT
                 EXPL        .50  EXPONENT OF HEAD

240 SS        SPILLWAY
                 CREL      65.90  SPILLWAY CREST ELEVATION
                SPWID        .00  SPILLWAY WIDTH
                 COQW        .00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                  ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .01       .11       .26       .48
      ELEVATION     59.10     60.00     62.00     64.00     66.00

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00     82.66     87.08     92.01     97.53    103.75    110.82    118.93    128.31
      ELEVATION     59.10     61.40     63.27     63.47     63.71     64.00     64.34     64.76     65.27     65.90

                                COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .01       .07       .11       .20       .22       .24       .26       .30       .34
        OUTFLOW       .00       .00       .00     46.85     82.66     87.08     92.01     97.53    103.75    110.82
      ELEVATION     59.10     60.00     61.40     62.00     63.27     63.47     63.71     64.00     64.34     64.76

        STORAGE       .39       .47       .48
        OUTFLOW    118.93    128.31    129.73
      ELEVATION     65.27     65.90     66.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO      130.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                          HYDROGRAPH AT STATION   SB34CH

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                                                  *                                                  *
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STA
                                                  *                                                  *
28 FEB 0100   1       0.       .0    59.1 * 28 FEB 0915  34       3.       .1    61.4 * 28 FEB 1730  67     184.       .9    69.8
28 FEB 0115   2       0.       .0    59.1 * 28 FEB 0930  35       2.       .1    61.4 * 28 FEB 1745  68     185.      1.0    69.9
28 FEB 0130   3       0.       .0    59.1 * 28 FEB 0945  36       3.       .1    61.4 * 28 FEB 1800  69     186.      1.0    69.9
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28 FEB 0145	4	0.	.0	59.1	*	28 FEB 1000	37	3.	.1	61.4	*	28 FEB 1815	70	186.	1.0	70.0
28 FEB 0200	5	0.	.0	59.1	*	28 FEB 1015	38	5.	.1	61.5	*	28 FEB 1830	71	186.	1.0	70.0
28 FEB 0215	6	0.	.0	59.1	*	28 FEB 1030	39	6.	.1	61.5	*	28 FEB 1845	72	186.	1.0	70.0
28 FEB 0230	7	0.	.0	59.1	*	28 FEB 1045	40	9.	.1	61.5	*	28 FEB 1900	73	185.	1.0	69.9
28 FEB 0245	8	0.	.0	59.1	*	28 FEB 1100	41	11.	.1	61.5	*	28 FEB 1915	74	184.	.9	69.8
FEB 0300	9	0.	.0	59.1	*	28 FEB 1115	42	16.	.1	61.6	*	28 FEB 1930	75	181.	.9	69.6
28 FEB 0315	10	0.	.0	59.1	*	28 FEB 1130	43	20.	.1	61.7	*	28 FEB 1945	76	177.	.9	69.3
28 FEB 0330	11	0.	.0	59.1	*	28 FEB 1145	44	24.	.1	61.7	*	28 FEB 2000	77	171.	.8	68.9
28 FEB 0345	12	0.	.0	59.1	*	28 FEB 1200	45	26.	.1	61.7	*	28 FEB 2015	78	164.	.8	68.4
28 FEB 0400	13	0.	.0	59.1	*	28 FEB 1215	46	32.	.1	61.8	*	28 FEB 2030	79	157.	.7	67.9
28 FEB 0415	14	0.	.0	59.1	*	28 FEB 1230	47	37.	.1	61.9	*	28 FEB 2045	80	150.	.7	67.4
28 FEB 0430	15	0.	.0	59.1	*	28 FEB 1245	48	46.	.1	62.0	*	28 FEB 2100	81	145.	.6	67.0
28 FEB 0445	16	0.	.0	59.1	*	28 FEB 1300	49	65.	.2	62.6	*	28 FEB 2115	82	140.	.6	66.7
28 FEB 0500	17	0.	.0	59.1	*	28 FEB 1315	50	112.	.3	64.8	*	28 FEB 2130	83	134.	.5	66.3
28 FEB 0515	18	0.	.0	59.1	*	28 FEB 1330	51	145.	.6	67.1	*	28 FEB 2145	84	128.	.5	65.9
28 FEB 0530	19	0.	.0	59.1	*	28 FEB 1345	52	152.	.7	67.6	*	28 FEB 2200	85	122.	.4	65.4
28 FEB 0545	20	0.	.0	59.1	*	28 FEB 1400	53	140.	.6	66.7	*	28 FEB 2215	86	116.	.4	65.1
28 FEB 0600	21	0.	.0	59.1	*	28 FEB 1415	54	134.	.5	66.3	*	28 FEB 2230	87	111.	.3	64.7
28 FEB 0615	22	0.	.0	59.1	*	28 FEB 1430	55	136.	.5	66.4	*	28 FEB 2245	88	105.	.3	64.4
28 FEB 0630	23	0.	.0	59.1	*	28 FEB 1445	56	140.	.6	66.7	*	28 FEB 2300	89	101.	.3	64.2
28 FEB 0645	24	0.	.0	59.1	*	28 FEB 1500	57	146.	.6	67.1	*	28 FEB 2315	90	96.	.3	63.9
28 FEB 0700	25	0.	.0	59.1	*	28 FEB 1515	58	154.	.7	67.7	*	28 FEB 2330	91	92.	.2	63.7
28 FEB 0715	26	0.	.0	59.1	*	28 FEB 1530	59	160.	.7	68.2	*	28 FEB 2345	92	89.	.2	63.6
28 FEB 0730	27	0.	.0	59.1	*	28 FEB 1545	60	165.	.8	68.5	*	1 MAR 0000	93	86.	.2	63.4
28 FEB 0745	28	0.	.0	59.2	*	28 FEB 1600	61	169.	.8	68.7	*	1 MAR 0015	94	82.	.2	63.3
28 FEB 0800	29	0.	.0	60.2	*	28 FEB 1615	62	172.	.8	69.0	*	1 MAR 0030	95	79.	.2	63.2
28 FEB 0815	30	0.	.0	60.9	*	28 FEB 1630	63	175.	.9	69.2	*	1 MAR 0045	96	77.	.2	63.1
28 FEB 0830	31	0.	.1	61.4	*	28 FEB 1645	64	178.	.9	69.4	*	1 MAR 0100	97	75.	.2	63.0
28 FEB 0845	32	3.	.1	61.4	*	28 FEB 1700	65	180.	.9	69.6	*					
28 FEB 0900	33	1.	.1	61.4	*	28 FEB 1715	66	182.	.9	69.7	*					
					*						*					

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K FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 186.	17.50		173.	75.	75.	75.
		(INCHES)	1.104	1.904	1.904	1.904
		(AC-FT)	86.	148.	148.	148.

PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE			
			6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)					
1.	17.25		1.	0.	0.	0.

PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE			
			6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)					
69.99	17.50		69.08	63.61	63.61	63.61

CUMULATIVE AREA = 1.46 SQ MI

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          *             *
KK        *   H84BCL    *
          *             *
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242 KO OUTPUT CONTROL VARIABLES

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                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH COMMERCE WAY AT HB4B

          HYDROGRAPH ROUTING DATA

244 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      57.80  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

245 SA           AREA         .0        .0        .1        .1        .1        .1

246 SE        ELEVATION     57.80     59.00     61.00     63.00     65.00     66.80

247 SL        LOW-LEVEL OUTLET
                ELEVL      59.00  ELEVATION AT CENTER OF OUTLET
                CAREA      12.57  CROSS-SECTIONAL AREA
                 COQL        .60  COEFFICIENT
                 EXPL        .50  EXPONENT OF HEAD

248 SS        SPILLWAY
                 CREL      66.70  SPILLWAY CREST ELEVATION
                SPWID        .00  SPILLWAY WIDTH
                 COQW        .00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .02       .13       .29       .48       .70
      ELEVATION     57.80     59.00     61.00     63.00     65.00     66.80

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00     84.26     90.71     98.23    107.12    117.77    130.78    147.01    167.84
      ELEVATION     57.80     59.00     60.94     61.25     61.64     62.14     62.79     63.67     64.91     66.70


                                COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .02       .13       .13       .15       .18       .21       .27       .29       .35
        OUTFLOW       .00       .00     84.26     85.54     90.71     98.23    107.12    117.77    120.97    130.78
      ELEVATION     57.80     59.00     60.94     61.00     61.25     61.64     62.14     62.79     63.00     63.67

        STORAGE       .47       .48       .69       .70
        OUTFLOW    147.01    148.16    167.84    168.93
      ELEVATION     64.91     65.00     66.70     66.80

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO      168.
              THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
              THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                          HYDROGRAPH AT STATION   HB4BCL

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                                        *                                        *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                        *                                        *
 28 FEB 0100   1      0.       .0    57.8 * 28 FEB 0915  34      2.       .0    59.0 * 28 FEB 1730  67     183.       .9    68.1
 28 FEB 0115   2      0.       .0    57.8 * 28 FEB 0930  35      3.       .0    59.1 * 28 FEB 1745  68     184.       .9    68.2
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28	FEB	0130	3	0.	.0	57.8	*	28	FEB	0945	36	2.	.0	59.1	*	28	FEB	1800	69	185.	.9	68.3
28	FEB	0145	4	0.	.0	57.8	*	28	FEB	1000	37	4.	.0	59.1	*	28	FEB	1815	70	186.	.9	68.4
28	FEB	0200	5	0.	.0	57.8	*	28	FEB	1015	38	4.	.0	59.1	*	28	FEB	1830	71	186.	.9	68.4
28	FEB	0215	6	0.	.0	57.8	*	28	FEB	1030	39	7.	.0	59.2	*	28	FEB	1845	72	186.	.9	68.4
28	FEB	0230	7	0.	.0	57.8	*	28	FEB	1045	40	8.	.0	59.2	*	28	FEB	1900	73	186.	.9	68.3
	FEB	0245	8	0.	.0	57.8	*	28	FEB	1100	41	12.	.0	59.3	*	28	FEB	1915	74	185.	.9	68.2
	FEB	0300	9	0.	.0	57.8	*	28	FEB	1115	42	15.	.0	59.3	*	28	FEB	1930	75	182.	.9	68.0
28	FEB	0315	10	0.	.0	57.8	*	28	FEB	1130	43	20.	.0	59.5	*	28	FEB	1945	76	179.	.8	67.7
28	FEB	0330	11	0.	.0	57.8	*	28	FEB	1145	44	23.	.0	59.5	*	28	FEB	2000	77	174.	.8	67.3
28	FEB	0345	12	0.	.0	57.8	*	28	FEB	1200	45	27.	.1	59.6	*	28	FEB	2015	78	168.	.7	66.7
28	FEB	0400	13	0.	.0	57.8	*	28	FEB	1215	46	31.	.1	59.7	*	28	FEB	2030	79	161.	.6	66.1
28	FEB	0415	14	0.	.0	57.8	*	28	FEB	1230	47	37.	.1	59.8	*	28	FEB	2045	80	153.	.5	65.5
28	FEB	0430	15	0.	.0	57.8	*	28	FEB	1245	48	45.	.1	60.0	*	28	FEB	2100	81	147.	.5	64.9
28	FEB	0445	16	0.	.0	57.8	*	28	FEB	1300	49	64.	.1	60.5	*	28	FEB	2115	82	142.	.4	64.5
28	FEB	0500	17	0.	.0	57.8	*	28	FEB	1315	50	104.	.2	61.9	*	28	FEB	2130	83	136.	.4	64.1
28	FEB	0515	18	0.	.0	57.8	*	28	FEB	1330	51	136.	.4	64.0	*	28	FEB	2145	84	130.	.3	63.6
28	FEB	0530	19	0.	.0	57.8	*	28	FEB	1345	52	150.	.5	65.2	*	28	FEB	2200	85	123.	.3	63.2
28	FEB	0545	20	0.	.0	57.8	*	28	FEB	1400	53	146.	.5	64.8	*	28	FEB	2215	86	117.	.3	62.8
28	FEB	0600	21	0.	.0	57.8	*	28	FEB	1415	54	136.	.4	64.1	*	28	FEB	2230	87	112.	.2	62.4
28	FEB	0615	22	0.	.0	57.8	*	28	FEB	1430	55	135.	.4	64.0	*	28	FEB	2245	88	107.	.2	62.1
28	FEB	0630	23	0.	.0	57.8	*	28	FEB	1445	56	138.	.4	64.3	*	28	FEB	2300	89	102.	.2	61.8
28	FEB	0645	24	0.	.0	57.8	*	28	FEB	1500	57	144.	.4	64.6	*	28	FEB	2315	90	97.	.2	61.6
28	FEB	0700	25	0.	.0	57.8	*	28	FEB	1515	58	150.	.5	65.2	*	28	FEB	2330	91	93.	.2	61.4
28	FEB	0715	26	0.	.0	57.8	*	28	FEB	1530	59	157.	.6	65.8	*	28	FEB	2345	92	89.	.1	61.2
28	FEB	0730	27	0.	.0	57.8	*	28	FEB	1545	60	163.	.6	66.2	*	1	MAR	0000	93	86.	.1	61.0
28	FEB	0745	28	0.	.0	57.8	*	28	FEB	1600	61	167.	.7	66.6	*	1	MAR	0015	94	83.	.1	60.9
28	FEB	0800	29	0.	.0	57.8	*	28	FEB	1615	62	170.	.7	66.9	*	1	MAR	0030	95	79.	.1	60.8
28	FEB	0815	30	0.	.0	57.8	*	28	FEB	1630	63	173.	.8	67.2	*	1	MAR	0045	96	77.	.1	60.8
28	FEB	0830	31	0.	.0	58.0	*	28	FEB	1645	64	176.	.8	67.5	*	1	MAR	0100	97	75.	.1	60.7
28	FEB	0845	32	1.	.0	59.0	*	28	FEB	1700	65	179.	.8	67.7	*							
28	FEB	0900	33	2.	.0	59.1	*	28	FEB	1715	66	181.	.8	67.9	*							
							*								*							

****

AK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 186.	17.50		173.	75.	75.	75.
		(INCHES)	1.104	1.902	1.902	1.902
		(AC-FT)	86.	148.	148.	148.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	17.50	1.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
68.39	17.50	67.23	61.68	61.68	61.68

CUMULATIVE AREA = 1.46 SQ MI

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              **************
              *            *
   .9 KK      *     SB7    *
              *            *
              **************
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250 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

252 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .01  SUBBASIN AREA

                PRECIPITATION DATA

253 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                   STORM AREA =     .01

254 LS          SCS LOSS RATE
                      STRTL        .74  INITIAL ABSTRACTION
                     CRVNBR      73.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

255 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .25  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                               7 END-OF-PERIOD ORDINATES
              14.       15.        5.        2.        1.        0.        0.
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HYDROGRAPH AT STATION SB7

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.47	.83	16.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.09	.22	17.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.05	.13	10.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.04	.10	6.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.03	.08	4.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.02	.07	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.02	.06	3.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.02	.06	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.02	.05	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.01	.05	2.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.01	.05	2.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.04	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.04	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	1.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.03	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	1.

28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.01	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.05	.05	.00	0.	*	28 FEB 2145	84	.02	.00	.01	1.
28 FEB 0945	36	.05	.05	.00	0.	*	28 FEB 2200	85	.02	.00	.01	1.
28 FEB 1000	37	.05	.05	.00	0.	*	28 FEB 2215	86	.02	.00	.01	0.
28 FEB 1015	38	.05	.05	.00	0.	*	28 FEB 2230	87	.02	.00	.01	0.
28 FEB 1030	39	.06	.05	.01	0.	*	28 FEB 2245	88	.02	.00	.01	0.
28 FEB 1045	40	.06	.05	.01	0.	*	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.06	.01	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.06	.01	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.06	.02	1.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.07	.02	1.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.07	.03	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.09	.04	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.10	.06	2.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.15	.10	3.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.27	.27	6.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.91, TOTAL EXCESS = 3.09

AK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 17.	12.50		4.	1.	1.	1.
		(INCHES)	2.514	3.073	3.073	3.073
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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          **************
          *            *
256 KK    *      SB6   *
          *            *
          **************

257 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

259 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .00  SUBBASIN AREA

              PRECIPITATION DATA
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260 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                  ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
                  5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                    .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                STORM AREA =     .00

261 LS            SCS LOSS RATE
                       STRTL        .74  INITIAL ABSTRACTION
                      CRVNBR      73.00  CURVE NUMBER
                       RTIMP        .00  PERCENT IMPERVIOUS AREA

262 UD            SCS DIMENSIONLESS UNITGRAPH
                        TLAG        .21  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                 6 END-OF-PERIOD ORDINATES
                  5.       4.       1.       0.       0.       0.
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HYDROGRAPH AT STATION SB6

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.47	.83	5.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.09	.22	5.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.05	.13	3.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.04	.10	2.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.03	.08	1.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.02	.07	1.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.02	.06	1.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.02	.06	1.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.02	.05	1.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.01	.05	1.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.01	.05	1.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.04	0.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.04	0.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	0.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	0.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	0.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.03	0.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	0.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	0.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	0.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	0.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	0.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.01	.03	0.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	0.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	0.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	0.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	0.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	0.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.01	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.01	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	0.

28 FEB 0930	35	.05	.05	.00	0.	*	28 FEB 2145	84	.02	.00	.01	0.
28 FEB 0945	36	.05	.05	.00	0.	*	28 FEB 2200	85	.02	.00	.01	0.
28 FEB 1000	37	.05	.05	.00	0.	*	28 FEB 2215	86	.02	.00	.01	0.
28 FEB 1015	38	.05	.05	.00	0.	*	28 FEB 2230	87	.02	.00	.01	0.
28 FEB 1030	39	.06	.05	.01	0.	*	28 FEB 2245	88	.02	.00	.01	0.
28 FEB 1045	40	.06	.05	.01	0.	*	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.06	.01	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.06	.01	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.06	.02	0.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.07	.02	0.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.07	.03	0.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.09	.04	0.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.10	.06	0.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.15	.10	1.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.27	.27	2.	*						
						*						

****

TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.91, TOTAL EXCESS = 3.09

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 5.	12.25		1.	0.	0.	0.
		(INCHES)	2.515	3.075	3.075	3.075
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .00 SQ MI

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          **************
          *            *
266 KK    *     SB7CH  *
          *            *
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267 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               STORAGE ROUTING THROUGH SB7 CHANNEL

             HYDROGRAPH ROUTING DATA

269 RS          STORAGE ROUTING
                      NSTPS          1  NUMBER OF SUBREACHES
                       ITYP       STOR  TYPE OF INITIAL CONDITION
                     RSVRIC        .00  INITIAL CONDITION
                          X        .00 WORKING R AND D COEFFICIENT

270 RC          NORMAL DEPTH CHANNEL ROUTING
                        ANL       .080  LEFT OVERBANK N-VALUE
                       ANCH       .030  MAIN CHANNEL N-VALUE
                        ANR       .080  RIGHT OVERBANK N-VALUE
                      RLNTH       900.  REACH LENGTH
                        SEL      .0020  ENERGY SLOPE
                      ELMAX       70.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                   CROSS-SECTION DATA
                     --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
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272 RY	ELEVATION	71.00	70.50	70.00	67.00	67.00	70.00	70.50	71.00
271 RX	DISTANCE	.00	5.00	10.00	13.00	18.00	21.00	26.00	31.00

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.02	.03	.05	.07	.09	.12	.14	.16	.19
OUTFLOW	.00	.51	1.61	3.17	5.14	7.48	10.18	13.24	16.66	20.43
ELEVATION	67.00	67.16	67.32	67.47	67.63	67.79	67.95	68.11	68.26	68.42
STORAGE	.21	.24	.27	.30	.33	.36	.39	.43	.46	.50
OUTFLOW	24.55	29.03	33.87	39.08	44.66	50.61	56.94	63.66	70.78	78.29
ELEVATION	68.58	68.74	68.89	69.05	69.21	69.37	69.53	69.68	69.84	70.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 3. TO 78.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION SB7CH

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.0	67.0	28 FEB 0915	34	0.	.0	67.0	28 FEB 1730	67	2.	.0	67.3
28 FEB 0115	2	0.	.0	67.0	28 FEB 0930	35	0.	.0	67.0	28 FEB 1745	68	2.	.0	67.3
28 FEB 0130	3	0.	.0	67.0	28 FEB 0945	36	0.	.0	67.0	28 FEB 1800	69	2.	.0	67.3
28 FEB 0145	4	0.	.0	67.0	28 FEB 1000	37	0.	.0	67.0	28 FEB 1815	70	1.	.0	67
28 FEB 0200	5	0.	.0	67.0	28 FEB 1015	38	0.	.0	67.0	28 FEB 1830	71	1.	.0	67
28 FEB 0215	6	0.	.0	67.0	28 FEB 1030	39	0.	.0	67.0	28 FEB 1845	72	1.	.0	67.
28 FEB 0230	7	0.	.0	67.0	28 FEB 1045	40	0.	.0	67.1	28 FEB 1900	73	1.	.0	67.3
28 FEB 0245	8	0.	.0	67.0	28 FEB 1100	41	0.	.0	67.1	28 FEB 1915	74	1.	.0	67.3
28 FEB 0300	9	0.	.0	67.0	28 FEB 1115	42	0.	.0	67.1	28 FEB 1930	75	1.	.0	67.2
28 FEB 0315	10	0.	.0	67.0	28 FEB 1130	43	0.	.0	67.2	28 FEB 1945	76	1.	.0	67.2
28 FEB 0330	11	0.	.0	67.0	28 FEB 1145	44	1.	.0	67.2	28 FEB 2000	77	1.	.0	67.2
28 FEB 0345	12	0.	.0	67.0	28 FEB 1200	45	1.	.0	67.2	28 FEB 2015	78	1.	.0	67.2
28 FEB 0400	13	0.	.0	67.0	28 FEB 1215	46	1.	.0	67.3	28 FEB 2030	79	1.	.0	67.2
28 FEB 0415	14	0.	.0	67.0	28 FEB 1230	47	2.	.0	67.3	28 FEB 2045	80	1.	.0	67.2
28 FEB 0430	15	0.	.0	67.0	28 FEB 1245	48	3.	.0	67.4	28 FEB 2100	81	1.	.0	67.2
28 FEB 0445	16	0.	.0	67.0	28 FEB 1300	49	5.	.1	67.6	28 FEB 2115	82	1.	.0	67.2
28 FEB 0500	17	0.	.0	67.0	28 FEB 1315	50	16.	.2	68.2	28 FEB 2130	83	1.	.0	67.2
28 FEB 0515	18	0.	.0	67.0	28 FEB 1330	51	23.	.2	68.5	28 FEB 2145	84	1.	.0	67.2
28 FEB 0530	19	0.	.0	67.0	28 FEB 1345	52	16.	.2	68.2	28 FEB 2200	85	1.	.0	67.2
28 FEB 0545	20	0.	.0	67.0	28 FEB 1400	53	9.	.1	67.9	28 FEB 2215	86	1.	.0	67.2
28 FEB 0600	21	0.	.0	67.0	28 FEB 1415	54	6.	.1	67.7	28 FEB 2230	87	1.	.0	67.2
28 FEB 0615	22	0.	.0	67.0	28 FEB 1430	55	5.	.1	67.6	28 FEB 2245	88	1.	.0	67.2
28 FEB 0630	23	0.	.0	67.0	28 FEB 1445	56	4.	.1	67.5	28 FEB 2300	89	1.	.0	67.2
28 FEB 0645	24	0.	.0	67.0	28 FEB 1500	57	3.	.1	67.5	28 FEB 2315	90	1.	.0	67.2
28 FEB 0700	25	0.	.0	67.0	28 FEB 1515	58	3.	.1	67.4	28 FEB 2330	91	1.	.0	67.2
28 FEB 0715	26	0.	.0	67.0	28 FEB 1530	59	3.	.0	67.4	28 FEB 2345	92	1.	.0	67.2
28 FEB 0730	27	0.	.0	67.0	28 FEB 1545	60	2.	.0	67.4	1 MAR 0000	93	1.	.0	67.2
28 FEB 0745	28	0.	.0	67.0	28 FEB 1600	61	2.	.0	67.4	1 MAR 0015	94	1.	.0	67.2
28 FEB 0800	29	0.	.0	67.0	28 FEB 1615	62	2.	.0	67.4	1 MAR 0030	95	1.	.0	67.2
28 FEB 0815	30	0.	.0	67.0	28 FEB 1630	63	2.	.0	67.4	1 MAR 0045	96	1.	.0	67.2
28 FEB 0830	31	0.	.0	67.0	28 FEB 1645	64	2.	.0	67.3	1 MAR 0100	97	1.	.0	67.2
28 FEB 0845	32	0.	.0	67.0	28 FEB 1700	65	2.	.0	67.3					
28 FEB 0900	33	0.	.0	67.0	28 FEB 1715	66	2.	.0	67.3					

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PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR

```
+  (CFS)      (HR)
                        (CFS)
+     23.     12.50                  5.          1.          1.          1.
                      (INCHES)    2.510       3.056       3.056       3.056
                       (AC-FT)       2.          3.          3.          3.

 PEAK STORAGE   TIME                        MAXIMUM AVERAGE STORAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       0.     12.50                  0.          0.          0.          0.

  PEAK STAGE    TIME                        MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
    68.51     12.50                67.55       67.20       67.20       67.20

                       CUMULATIVE AREA =     .02 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
 273 KK   *      SB1   *
          *            *
          **************

 274 KO        OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

 276 BA        SUBBASIN CHARACTERISTICS
                     TAREA         .03  SUBBASIN AREA

               PRECIPITATION DATA

 277 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .03

 278 LS        SCS LOSS RATE
                     STRTL         .27  INITIAL ABSTRACTION
                    CRVNBR       88.00  CURVE NUMBER
                     RTIMP         .00  PERCENT IMPERVIOUS AREA

 279 UD        SCS DIMENSIONLESS UNITGRAPH
                      TLAG         .15  LAG

                                                        ***

 ˜NING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                    UNIT HYDROGRAPH
                                                 5 END-OF-PERIOD ORDINATES
             55.       21.        5.        1.        0.
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HYDROGRAPH AT STATION SB1

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.13	1.17	75.
28 FEB 0115	2	.01	.01	.00	0.	28 FEB 1330	51	.31	.02	.29	43.
28 FEB 0130	3	.01	.01	.00	0.	28 FEB 1345	52	.18	.01	.17	22.
28 FEB 0145	4	.01	.01	.00	0.	28 FEB 1400	53	.14	.01	.13	14.
28 FEB 0200	5	.01	.01	.00	0.	28 FEB 1415	54	.11	.01	.10	10.
28 FEB 0215	6	.01	.01	.00	0.	28 FEB 1430	55	.10	.01	.09	8.
28 FEB 0230	7	.01	.01	.00	0.	28 FEB 1445	56	.08	.00	.08	7.
28 FEB 0245	8	.01	.01	.00	0.	28 FEB 1500	57	.08	.00	.07	6.
28 FEB 0300	9	.01	.01	.00	0.	28 FEB 1515	58	.07	.00	.07	6.
28 FEB 0315	10	.01	.01	.00	0.	28 FEB 1530	59	.06	.00	.06	5.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.06	.00	.06	5.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.00	.05	5.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.00	.05	4.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.00	.05	4.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.00	.05	4.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.00	.04	4.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	4.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	3.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	3.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.04	3.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.04	3.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	3.
28 FEB 0630	23	.02	.02	.00	0.	28 FEB 1845	72	.04	.00	.03	3.
28 FEB 0645	24	.02	.02	.00	0.	28 FEB 1900	73	.03	.00	.03	3.
28 FEB 0700	25	.02	.02	.00	0.	28 FEB 1915	74	.02	.00	.02	2.
28 FEB 0715	26	.03	.03	.01	0.	28 FEB 1930	75	.02	.00	.02	2.
28 FEB 0730	27	.03	.03	.01	1.	28 FEB 1945	76	.02	.00	.02	2.
28 FEB 0745	28	.04	.03	.01	1.	28 FEB 2000	77	.02	.00	.02	2.
28 FEB 0800	29	.04	.03	.01	1.	28 FEB 2015	78	.02	.00	.02	2.
28 FEB 0815	30	.04	.03	.01	1.	28 FEB 2030	79	.02	.00	.02	2.
28 FEB 0830	31	.04	.03	.01	1.	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.02	1.	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.02	1.	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.02	2.	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	2.	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	2.	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.03	2.	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.05	.02	.03	2.	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.03	.03	3.	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.03	.04	3.	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.03	.04	3.	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.03	.05	4.	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.03	.05	4.	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.03	.06	5.	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.03	.07	6.	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.03	.09	7.	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.04	.12	9.	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.25	.05	.20	14.	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.54	.09	.45	30.						

TOTAL RAINFALL = 6.00, TOTAL LOSS = 1.37, TOTAL EXCESS = 4.63

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW 6-HR (CFS)	24-HR	72-HR	24.00-HR
+					

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+     75.     12.25                  12.          4.          4.          4.
                        (INCHES)    3.609       4.614       4.614       4.614
                         (AC-FT)      6.          8.          8.          8.

                         CUMULATIVE AREA =     .03 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


            **************
            *            *
 280 KK     *      SB2   *
            *            *
            **************

 281 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

 283 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .01  SUBBASIN AREA

                 PRECIPITATION DATA

 284 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .01

 285 LS          SCS LOSS RATE
                       STRTL         .11  INITIAL ABSTRACTION
                      CRVNBR       95.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 286 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .06  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                  5 END-OF-PERIOD ORDINATES
                21.        6.        1.        0.        0.

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                                              HYDROGRAPH AT STATION      SB2

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.30     .03    1.27        30.
      28 FEB 0115    2     .01     .01     .00         0.        *      28 FEB 1330   51     .31     .00     .31        15.
      28 FEB 0130    3     .01     .01     .00         0.        *      28 FEB 1345   52     .18     .00     .18         7.
      28 FEB 0145    4     .01     .01     .00         0.        *      28 FEB 1400   53     .14     .00     .14         5.
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28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.00	.11	3.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.00	.09	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.00	.08	2.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.00	.07	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.00	.07	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.00	.06	2.
28 FEB 0330	11	.02	.01	.00	0.	*	28 FEB 1545	60	.06	.00	.06	2.
28 FEB 0345	12	.02	.01	.00	0.	*	28 FEB 1600	61	.06	.00	.06	2.
28 FEB 0400	13	.02	.01	.00	0.	*	28 FEB 1615	62	.05	.00	.05	2.
28 FEB 0415	14	.02	.01	.00	0.	*	28 FEB 1630	63	.05	.00	.05	1.
28 FEB 0430	15	.02	.01	.00	0.	*	28 FEB 1645	64	.05	.00	.05	1.
28 FEB 0445	16	.02	.01	.01	0.	*	28 FEB 1700	65	.05	.00	.05	1.
28 FEB 0500	17	.02	.01	.01	0.	*	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.01	.01	0.	*	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.01	.01	0.	*	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.01	.01	0.	*	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.01	.01	0.	*	28 FEB 1815	70	.04	.00	.04	1.
28 FEB 0615	22	.02	.01	.01	0.	*	28 FEB 1830	71	.04	.00	.04	1.
28 FEB 0630	23	.02	.01	.01	0.	*	28 FEB 1845	72	.04	.00	.03	1.
28 FEB 0645	24	.02	.01	.01	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.01	.01	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.01	.02	1.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.01	.02	1.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.01	.02	1.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.01	.03	1.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.01	.03	1.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.01	.03	1.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.01	.03	1.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.01	.03	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.01	.04	1.	*	28 FEB 2130	83	.02	.00	.02	0.
28 FEB 0930	35	.05	.01	.04	1.	*	28 FEB 2145	84	.02	.00	.02	0.
28 FEB 0945	36	.05	.01	.04	1.	*	28 FEB 2200	85	.02	.00	.02	0.
28 FEB 1000	37	.05	.01	.04	1.	*	28 FEB 2215	86	.02	.00	.02	0.
28 FEB 1015	38	.05	.01	.05	1.	*	28 FEB 2230	87	.02	.00	.02	0.
28 FEB 1030	39	.06	.01	.05	1.	*	28 FEB 2245	88	.02	.00	.02	0.
28 FEB 1045	40	.06	.01	.05	1.	*	28 FEB 2300	89	.02	.00	.02	0.
28 FEB 1100	41	.07	.01	.06	2.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.01	.06	2.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.01	.07	2.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.01	.08	2.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.01	.09	3.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.01	.12	3.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.01	.15	4.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.01	.24	6.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.02	.52	13.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = .59, TOTAL EXCESS = 5.41

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 30.	12.25		5.	2.	2.	2.
		(INCHES)	4.045	5.401	5.401	5.401
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .01 SQ MI

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          **************
          *            *
290 KK    *    8CSWP   *
          *            *
          **************

291 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               DIRECT INPUT HYDROGRAPH FROM READING, UNDER RTE 93

  6 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN         15  TIME INTERVAL IN MINUTES
                     JXDATE    28FEB91  STARTING DATE
                     JXTIME        100  STARTING TIME

             SUBBASIN RUNOFF DATA

293 BA          SUBBASIN CHARACTERISTICS
                      TAREA       1.43  SUBBASIN AREA

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HYDROGRAPH AT STATION 8CSWP

DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	11.	28 FEB 1330	51	406.	28 FEB 1945	76	198.
28 FEB 0115	2	0.	28 FEB 0730	27	11.	28 FEB 1345	52	506.	28 FEB 2000	77	187.
28 FEB 0130	3	0.	28 FEB 0745	28	11.	28 FEB 1400	53	525.	28 FEB 2015	78	175.
28 FEB 0145	4	0.	28 FEB 0800	29	11.	28 FEB 1415	54	493.	28 FEB 2030	79	158.
28 FEB 0200	5	0.	28 FEB 0815	30	11.	28 FEB 1430	55	450.	28 FEB 2045	80	139.
28 FEB 0215	6	0.	28 FEB 0830	31	11.	28 FEB 1445	56	407.	28 FEB 2100	81	123.
28 FEB 0230	7	0.	28 FEB 0845	32	11.	28 FEB 1500	57	372.	28 FEB 2115	82	111.
28 FEB 0245	8	0.	28 FEB 0900	33	11.	28 FEB 1515	58	346.	28 FEB 2130	83	101.
28 FEB 0300	9	1.	28 FEB 0915	34	11.	28 FEB 1530	59	326.	28 FEB 2145	84	93.
28 FEB 0315	10	3.	28 FEB 0930	35	12.	28 FEB 1545	60	312.	28 FEB 2200	85	87.
28 FEB 0330	11	4.	28 FEB 0945	36	13.	28 FEB 1600	61	302.	28 FEB 2215	86	82.
28 FEB 0345	12	6.	28 FEB 1000	37	14.	28 FEB 1615	62	295.	28 FEB 2230	87	79.
28 FEB 0400	13	7.	28 FEB 1015	38	17.	28 FEB 1630	63	289.	28 FEB 2245	88	76.
28 FEB 0415	14	8.	28 FEB 1030	39	20.	28 FEB 1645	64	283.	28 FEB 2300	89	74.
28 FEB 0430	15	9.	28 FEB 1045	40	24.	28 FEB 1700	65	278.	28 FEB 2315	90	72.
28 FEB 0445	16	10.	28 FEB 1100	41	28.	28 FEB 1715	66	273.	28 FEB 2330	91	71.
28 FEB 0500	17	10.	28 FEB 1115	42	34.	28 FEB 1730	67	267.	28 FEB 2345	92	69.
28 FEB 0515	18	10.	28 FEB 1130	43	40.	28 FEB 1745	68	260.	1 MAR 0000	93	68.
28 FEB 0530	19	10.	28 FEB 1145	44	47.	28 FEB 1800	69	253.	1 MAR 0015	94	67.
28 FEB 0545	20	10.	28 FEB 1200	45	56.	28 FEB 1815	70	246.	1 MAR 0030	95	66.
28 FEB 0600	21	11.	28 FEB 1215	46	67.	28 FEB 1830	71	239.	1 MAR 0045	96	65.
28 FEB 0615	22	11.	28 FEB 1230	47	81.	28 FEB 1845	72	232.	1 MAR 0100	97	65.
28 FEB 0630	23	11.	28 FEB 1245	48	103.	28 FEB 1900	73	225.			
28 FEB 0645	24	11.	28 FEB 1300	49	146.	28 FEB 1915	74	217.			
28 FEB 0700	25	11.	28 FEB 1315	50	255.	28 FEB 1930	75	208.			

	K FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+	525.	13.00	(CFS)	326.	119.	119.	119.
			(INCHES)	2.119	3.089	3.089	3.089

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                    (AC-FT)      162.        236.        236.        236.

                    CUMULATIVE AREA =    1.43 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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          *            *
307 KK    *     PHPND  *
          *            *
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308 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               STORAGE ROUTING THROUGH PHILLIPS POND

             HYDROGRAPH ROUTING DATA

310 RS          STORAGE ROUTING
                      NSTPS           1  NUMBER OF SUBREACHES
                       ITYP        ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC       57.00  INITIAL CONDITION
                          X         .00 WORKING R AND D COEFFICIENT

311 SA               AREA        3.9       4.8       5.5       7.5       8.8      11.9

312 SE          ELEVATION      57.00     59.50     60.60     62.00     64.00     66.00

313 SL          LOW-LEVEL OUTLET
                      ELEVL       57.50  ELEVATION AT CENTER OF OUTLET
                      CAREA       14.14  CROSS-SECTIONAL AREA
                       COQL         .60  COEFFICIENT
                       EXPL         .50  EXPONENT OF HEAD

314 SS          SPILLWAY
                       CREL       65.90  SPILLWAY CREST ELEVATION
                      SPWID       40.00  SPILLWAY WIDTH
                       COQW        3.00  WEIR COEFFICIENT
                       EXPW        1.50  EXPONENT OF HEAD

                                                    ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00     10.91     16.59     25.69     42.01     62.64
        ELEVATION      57.00     59.50     60.60     62.00     64.00     66.00

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00     97.70    105.29    114.15    124.65    137.28    152.75    172.15    197.20
        ELEVATION      57.00     57.50     59.56     59.89     60.31     60.86     61.57     62.54     63.90     65.90

          OUTFLOW     197.39    197.54    197.77    198.07    198.46    198.96    199.56    200.29    201.16    202.17
        ELEVATION      65.91     65.91     65.92     65.93     65.94     65.95     65.96     65.97     65.98     66.00


                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00      2.00     10.91     11.21     12.86     15.05     16.59     18.05     22.60     25.69
          OUTFLOW        .00       .00     96.23     97.70    105.29    114.15    119.80    124.65    137.28    144.34
```

ELEVATION	57.00	57.50	59.50	59.56	59.89	60.31	60.60	60.86	61.57	62.00
STORAGE	29.84	41.15	42.01	61.45	61.61	61.78	62.00	62.14	62.29	62.45
OUTFLOW	152.75	172.15	173.47	197.20	197.54	198.07	198.96	199.56	200.29	201.16
ELEVATION	62.54	63.90	64.00	65.90	65.91	65.93	65.95	65.96	65.97	65.98
STORAGE	62.64									
OUTFLOW	202.17									
ELEVATION	66.00									

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HYDROGRAPH AT STATION PHPND

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	57.0	28	FEB	0915	34	13.	3.2	57.8	28	FEB	1730	67	417.	101.0	69.2
28	FEB	0115	2	0.	.0	57.0	28	FEB	0930	35	14.	3.3	57.8	28	FEB	1745	68	421.	101.8	69.3
28	FEB	0130	3	0.	.0	57.0	28	FEB	0945	36	14.	3.3	57.8	28	FEB	1800	69	424.	102.3	69.3
28	FEB	0145	4	0.	.0	57.0	28	FEB	1000	37	15.	3.4	57.8	28	FEB	1815	70	425.	102.6	69.4
28	FEB	0200	5	0.	.0	57.0	28	FEB	1015	38	17.	3.6	57.9	28	FEB	1830	71	426.	102.8	69.4
28	FEB	0215	6	0.	.0	57.0	28	FEB	1030	39	19.	3.8	57.9	28	FEB	1845	72	426.	102.8	69.4
28	FEB	0230	7	0.	.0	57.0	28	FEB	1045	40	22.	4.0	58.0	28	FEB	1900	73	426.	102.6	69.4
28	FEB	0245	8	0.	.0	57.0	28	FEB	1100	41	26.	4.4	58.0	28	FEB	1915	74	424.	102.4	69.3
28	FEB	0300	9	0.	.0	57.0	28	FEB	1115	42	31.	4.8	58.1	28	FEB	1930	75	421.	101.9	69.3
28	FEB	0315	10	0.	.1	57.0	28	FEB	1130	43	37.	5.4	58.3	28	FEB	1945	76	418.	101.2	69.2
28	FEB	0330	11	0.	.1	57.0	28	FEB	1145	44	44.	6.1	58.4	28	FEB	2000	77	413.	100.3	69.2
28	FEB	0345	12	0.	.2	57.1	28	FEB	1200	45	52.	6.8	58.6	28	FEB	2015	78	406.	99.2	69.1
28	FEB	0400	13	0.	.4	57.1	28	FEB	1215	46	62.	7.7	58.8	28	FEB	2030	79	399.	97.8	69.0
28	FEB	0415	14	0.	.5	57.1	28	FEB	1230	47	74.	8.8	59.0	28	FEB	2045	80	389.	96.0	68.8
	FEB	0430	15	0.	.7	57.2	28	FEB	1245	48	89.	10.3	59.4	28	FEB	2100	81	377.	94.0	68.6
	FEB	0445	16	0.	.9	57.2	28	FEB	1300	49	105.	12.7	59.9	28	FEB	2115	82	365.	91.8	68.5
28	FEB	0500	17	0.	1.1	57.3	28	FEB	1315	50	124.	17.9	60.8	28	FEB	2130	83	352.	89.5	68.3
28	FEB	0515	18	0.	1.3	57.3	28	FEB	1330	51	146.	26.5	62.1	28	FEB	2145	84	339.	87.1	68.1
28	FEB	0530	19	0.	1.5	57.4	28	FEB	1345	52	165.	37.0	63.4	28	FEB	2200	85	326.	84.8	67.9
28	FEB	0545	20	0.	1.7	57.4	28	FEB	1400	53	181.	47.9	64.6	28	FEB	2215	86	313.	82.5	67.7
28	FEB	0600	21	0.	2.0	57.5	28	FEB	1415	54	193.	57.9	65.6	28	FEB	2230	87	300.	80.2	67.5
28	FEB	0615	22	2.	2.2	57.5	28	FEB	1430	55	224.	66.5	66.3	28	FEB	2245	88	288.	78.0	67.3
28	FEB	0630	23	4.	2.4	57.6	28	FEB	1445	56	263.	73.5	66.9	28	FEB	2300	89	277.	76.0	67.1
28	FEB	0645	24	5.	2.5	57.6	28	FEB	1500	57	293.	78.9	67.4	28	FEB	2315	90	265.	74.0	67.0
28	FEB	0700	25	7.	2.6	57.6	28	FEB	1515	58	318.	83.3	67.7	28	FEB	2330	91	255.	72.1	66.8
28	FEB	0715	26	8.	2.7	57.7	28	FEB	1530	59	338.	86.9	68.0	28	FEB	2345	92	245.	70.3	66.6
28	FEB	0730	27	9.	2.8	57.7	28	FEB	1545	60	354.	89.8	68.3	1	MAR	0000	93	235.	68.6	66.5
28	FEB	0745	28	9.	2.9	57.7	28	FEB	1600	61	368.	92.3	68.5	1	MAR	0015	94	227.	67.0	66.4
28	FEB	0800	29	10.	2.9	57.7	28	FEB	1615	62	379.	94.4	68.7	1	MAR	0030	95	218.	65.5	66.2
28	FEB	0815	30	10.	3.0	57.7	28	FEB	1630	63	389.	96.2	68.8	1	MAR	0045	96	210.	64.1	66.1
28	FEB	0830	31	11.	3.0	57.7	28	FEB	1645	64	398.	97.7	69.0	1	MAR	0100	97	203.	62.8	66.0
28	FEB	0845	32	11.	3.1	57.7	28	FEB	1700	65	405.	99.0	69.1							
28	FEB	0900	33	12.	3.1	57.8	28	FEB	1715	66	412.	100.1	69.2							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
+ 426.	17.75		401.	169.	169.	169.
		(INCHES)	1.264	2.128	2.128	2.128
		(AC-FT)	199.	335.	335.	335.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
+ 103.	17.75	98.	42.	42.	42.

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 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    69.38     17.75                69.00       62.60       62.60        62.60

                      CUMULATIVE AREA =    2.95 SQ MI


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          *            *
 315 KK   *      HP4   *
          *            *
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 316 KO         OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 318 BA         SUBBASIN CHARACTERISTICS
                     TAREA         .01  SUBBASIN AREA

                PRECIPITATION DATA

 319 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.40   3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .01

 320 LS         SCS LOSS RATE
                     STRTL         .63  INITIAL ABSTRACTION
                    CRVNBR       76.00  CURVE NUMBER
                     RTIMP         .00  PERCENT IMPERVIOUS AREA

 321 UD         SCS DIMENSIONLESS UNITGRAPH
                      TLAG         .34  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                 9 END-OF-PERIOD ORDINATES
                7.       14.        7.        3.        1.        1.        0.        0.        0.

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                                                HYDROGRAPH AT STATION      HP4

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                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.30     .40     .90        12.
      28 FEB 0115    2     .01     .01     .00         0.        *      28 FEB 1330   51     .31     .07     .24        17.
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28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.04	.14	12.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.03	.11	8.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.02	.09	5.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.02	.08	4.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.02	.07	3.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.01	.06	3.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.01	.06	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.01	.05	2.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.01	.05	2.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.04	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	1.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.01	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.05	.04	.00	0.	*	28 FEB 2145	84	.02	.00	.01	1.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.01	0.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.01	0.
28 FEB 1015	38	.05	.05	.01	0.	*	28 FEB 2230	87	.02	.00	.01	0.
28 FEB 1030	39	.06	.05	.01	0.	*	28 FEB 2245	88	.02	.00	.01	0.
28 FEB 1045	40	.06	.05	.01	0.	*	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.05	.02	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.05	.02	1.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.06	.02	1.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.06	.03	1.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.07	.04	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.08	.05	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.09	.07	2.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.13	.12	2.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.23	.31	5.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.62, TOTAL EXCESS = 3.38

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 17.	12.50		4.	1.	1.	1.
		(INCHES)	2.733	3.358	3.358	3.358
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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322 KK    *    HP4SWP  *
          *            *
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323 KO         OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                             ROUTING THROUGH DEPRESSION NEAR ARSENIC POND

            HYDROGRAPH ROUTING DATA

325 RS         STORAGE ROUTING
                     NSTPS           1  NUMBER OF SUBREACHES
                      ITYP        ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC       69.90  INITIAL CONDITION
                         X         .00 WORKING R AND D COEFFICIENT

326 SA               AREA          .3       .6       1.9

327 SE         ELEVATION       68.00     69.00     70.00

328 SS         SPILLWAY
                      CREL       69.90  SPILLWAY CREST ELEVATION
                     SPWID       30.00  SPILLWAY WIDTH
                      COQW        3.00  WEIR COEFFICIENT
                      EXPW        1.50  EXPONENT OF HEAD
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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.48	1.68
ELEVATION	68.00	69.00	70.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.00	.00	.01	.03	.06	.11	.17	.25
ELEVATION	68.00	69.90	69.90	69.90	69.90	69.90	69.91	69.91	69.92	69.92
OUTFLOW	.36	.49	.65	.84	1.07	1.34	1.65	2.00	2.40	2.85
ELEVATION	69.93	69.93	69.94	69.94	69.95	69.96	69.97	69.98	69.99	70.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.48	1.50	1.52	1.55	1.57	1.59	1.63	1.66	1.68
OUTFLOW	.00	.00	.00	.11	.36	.65	1.07	1.65	2.40	2.85
ELEVATION	68.00	69.00	69.90	69.91	69.93	69.94	69.95	69.97	69.99	70.00

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HYDROGRAPH AT STATION HP4SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAG
28	FEB	0100	1	0.	1.5	69.9	*	28	FEB	0915	34	0.	1.5	69.9	*	28	FEB	1730	67	1.	1.6	70.0
28	FEB	0115	2	0.	1.5	69.9	*	28	FEB	0930	35	0.	1.5	69.9	*	28	FEB	1745	68	1.	1.6	70.0
28	FEB	0130	3	0.	1.5	69.9	*	28	FEB	0945	36	0.	1.5	69.9	*	28	FEB	1800	69	1.	1.6	70.0

28 FEB 0145	4	0.	1.5	69.9	*	28 FEB 1000	37	0.	1.5	69.9	*	28 FEB 1815	70	1.	1.6	70.0
28 FEB 0200	5	0.	1.5	69.9	*	28 FEB 1015	38	0.	1.5	69.9	*	28 FEB 1830	71	1.	1.6	70.0
28 FEB 0215	6	0.	1.5	69.9	*	28 FEB 1030	39	0.	1.5	69.9	*	28 FEB 1845	72	1.	1.6	70.0
28 FEB 0230	7	0.	1.5	69.9	*	28 FEB 1045	40	0.	1.5	69.9	*	28 FEB 1900	73	1.	1.6	70.0
FEB 0245	8	0.	1.5	69.9	*	28 FEB 1100	41	0.	1.5	69.9	*	28 FEB 1915	74	1.	1.6	70.0
FEB 0300	9	0.	1.5	69.9	*	28 FEB 1115	42	0.	1.5	69.9	*	28 FEB 1930	75	1.	1.6	69.9
28 FEB 0315	10	0.	1.5	69.9	*	28 FEB 1130	43	0.	1.5	69.9	*	28 FEB 1945	76	1.	1.6	69.9
28 FEB 0330	11	0.	1.5	69.9	*	28 FEB 1145	44	0.	1.5	69.9	*	28 FEB 2000	77	1.	1.6	69.9
28 FEB 0345	12	0.	1.5	69.9	*	28 FEB 1200	45	0.	1.6	69.9	*	28 FEB 2015	78	1.	1.6	69.9
28 FEB 0400	13	0.	1.5	69.9	*	28 FEB 1215	46	1.	1.6	69.9	*	28 FEB 2030	79	1.	1.6	69.9
28 FEB 0415	14	0.	1.5	69.9	*	28 FEB 1230	47	1.	1.6	69.9	*	28 FEB 2045	80	1.	1.6	69.9
28 FEB 0430	15	0.	1.5	69.9	*	28 FEB 1245	48	1.	1.6	70.0	*	28 FEB 2100	81	1.	1.6	69.9
28 FEB 0445	16	0.	1.5	69.9	*	28 FEB 1300	49	2.	1.6	70.0	*	28 FEB 2115	82	1.	1.6	69.9
28 FEB 0500	17	0.	1.5	69.9	*	28 FEB 1315	50	4.	1.7	70.0	*	28 FEB 2130	83	1.	1.6	69.9
28 FEB 0515	18	0.	1.5	69.9	*	28 FEB 1330	51	8.	1.9	70.1	*	28 FEB 2145	84	1.	1.6	69.9
28 FEB 0530	19	0.	1.5	69.9	*	28 FEB 1345	52	10.	2.0	70.2	*	28 FEB 2200	85	1.	1.6	69.9
28 FEB 0545	20	0.	1.5	69.9	*	28 FEB 1400	53	10.	2.0	70.2	*	28 FEB 2215	86	1.	1.6	69.9
28 FEB 0600	21	0.	1.5	69.9	*	28 FEB 1415	54	9.	2.0	70.1	*	28 FEB 2230	87	1.	1.6	69.9
28 FEB 0615	22	0.	1.5	69.9	*	28 FEB 1430	55	7.	1.9	70.1	*	28 FEB 2245	88	1.	1.6	69.9
28 FEB 0630	23	0.	1.5	69.9	*	28 FEB 1445	56	6.	1.8	70.1	*	28 FEB 2300	89	0.	1.6	69.9
28 FEB 0645	24	0.	1.5	69.9	*	28 FEB 1500	57	5.	1.8	70.0	*	28 FEB 2315	90	0.	1.6	69.9
28 FEB 0700	25	0.	1.5	69.9	*	28 FEB 1515	58	4.	1.7	70.0	*	28 FEB 2330	91	0.	1.6	69.9
28 FEB 0715	26	0.	1.5	69.9	*	28 FEB 1530	59	3.	1.7	70.0	*	28 FEB 2345	92	0.	1.6	69.9
28 FEB 0730	27	0.	1.5	69.9	*	28 FEB 1545	60	3.	1.7	70.0	*	1 MAR 0000	93	0.	1.6	69.9
28 FEB 0745	28	0.	1.5	69.9	*	28 FEB 1600	61	2.	1.7	70.0	*	1 MAR 0015	94	0.	1.6	69.9
28 FEB 0800	29	0.	1.5	69.9	*	28 FEB 1615	62	2.	1.6	70.0	*	1 MAR 0030	95	0.	1.6	69.9
28 FEB 0815	30	0.	1.5	69.9	*	28 FEB 1630	63	2.	1.6	70.0	*	1 MAR 0045	96	0.	1.6	69.9
28 FEB 0830	31	0.	1.5	69.9	*	28 FEB 1645	64	2.	1.6	70.0	*	1 MAR 0100	97	0.	1.5	69.9
28 FEB 0845	32	0.	1.5	69.9	*	28 FEB 1700	65	2.	1.6	70.0	*					
28 FEB 0900	33	0.	1.5	69.9	*	28 FEB 1715	66	2.	1.6	70.0	*					
					*						*					

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AK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 10.	12.75		4.	1.	1.	1.
		(INCHES)	2.696	3.288	3.288	3.288
		(AC-FT)	2.	2.	2.	2.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
2.	12.75	2.	2.	2.	2.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
70.18	12.75	70.02	69.94	69.94	69.94

CUMULATIVE AREA = .01 SQ MI

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        ***************
        *             *
 ) KK   *      HP5    *
        *             *
        ***************
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330 KO OUTPUT CONTROL VARIABLES

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                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        SCS RUNOFF CALCULATION

          SUBBASIN RUNOFF DATA

332 BA        SUBBASIN CHARACTERISTICS
                TAREA        .01  SUBBASIN AREA

              PRECIPITATION DATA

333 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
            ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
            5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
              .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                STORM AREA =     .01

334 LS        SCS LOSS RATE
                STRTL        .38  INITIAL ABSTRACTION
               CRVNBR      84.00  CURVE NUMBER
                RTIMP        .00  PERCENT IMPERVIOUS AREA

335 UD        SCS DIMENSIONLESS UNITGRAPH
                 TLAG        .19  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                              UNIT HYDROGRAPH
                                          6 END-OF-PERIOD ORDINATES
          21.       13.       3.       1.       0.       0.
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HYDROGRAPH AT STATION HP5

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.30	.22	1.08	29.
28	FEB	0115	2	.01	.01	.00	0.	*	28	FEB	1330	51	.31	.04	.27	21.
28	FEB	0130	3	.01	.01	.00	0.	*	28	FEB	1345	52	.18	.02	.16	11.
28	FEB	0145	4	.01	.01	.00	0.	*	28	FEB	1400	53	.14	.01	.12	7.
28	FEB	0200	5	.01	.01	.00	0.	*	28	FEB	1415	54	.11	.01	.10	5.
28	FEB	0215	6	.01	.01	.00	0.	*	28	FEB	1430	55	.10	.01	.09	4.
28	FEB	0230	7	.01	.01	.00	0.	*	28	FEB	1445	56	.08	.01	.08	3.
28	FEB	0245	8	.01	.01	.00	0.	*	28	FEB	1500	57	.08	.01	.07	3.
28	FEB	0300	9	.01	.01	.00	0.	*	28	FEB	1515	58	.07	.01	.06	3.
28	FEB	0315	10	.01	.01	.00	0.	*	28	FEB	1530	59	.06	.01	.06	2.
28	FEB	0330	11	.02	.02	.00	0.	*	28	FEB	1545	60	.06	.01	.05	2.
28	FEB	0345	12	.02	.02	.00	0.	*	28	FEB	1600	61	.06	.00	.05	2.
28	FEB	0400	13	.02	.02	.00	0.	*	28	FEB	1615	62	.05	.00	.05	2.
28	FEB	0415	14	.02	.02	.00	0.	*	28	FEB	1630	63	.05	.00	.05	2.
28	FEB	0430	15	.02	.02	.00	0.	*	28	FEB	1645	64	.05	.00	.04	2.
28	FEB	0445	16	.02	.02	.00	0.	*	28	FEB	1700	65	.05	.00	.04	2.
28	FEB	0500	17	.02	.02	.00	0.	*	28	FEB	1715	66	.04	.00	.04	2.
28	FEB	0515	18	.02	.02	.00	0.	*	28	FEB	1730	67	.04	.00	.04	2.
28	FEB	0530	19	.02	.02	.00	0.	*	28	FEB	1745	68	.04	.00	.04	1.
28	FEB	0545	20	.02	.02	.00	0.	*	28	FEB	1800	69	.04	.00	.04	1.
28	FEB	0600	21	.02	.02	.00	0.	*	28	FEB	1815	70	.04	.00	.03	1.
28	FEB	0615	22	.02	.02	.00	0.	*	28	FEB	1830	71	.04	.00	.03	1.
28	FEB	0630	23	.02	.02	.00	0.	*	28	FEB	1845	72	.04	.00	.03	1.

28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.01	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.01	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.05	.03	.02	1.	*	28 FEB 2230	87	.02	.00	.01	1.
28 FEB 1030	39	.06	.03	.02	1.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.03	.03	1.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.04	.03	1.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.04	.04	1.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.04	.04	1.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.04	.05	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.04	.06	2.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.05	.08	3.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.06	.10	3.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.08	.17	5.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.14	.40	11.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 1.80, TOTAL EXCESS = 4.20

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
29.	12.25		5.	2.	2.	2.
		(INCHES)	3.325	4.183	4.183	4.183
		(AC-FT)	3.	3.	3.	3.

CUMULATIVE AREA = .01 SQ MI

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          *            *
339 KK    *   HP5SWP   *
          *            *
          **************

340 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             STORAGE ROUTING THROUGH DEPRESSION

            HYDROGRAPH ROUTING DATA

342 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      68.00  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT
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343 SA              AREA          .0        .3

344 SE         ELEVATION       68.00     69.00

345 SS         SPILLWAY
                    CREL       68.90  SPILLWAY CREST ELEVATION
                   SPWID       15.00  SPILLWAY WIDTH
                    COQW        3.00  WEIR COEFFICIENT
                    EXPW        1.50  EXPONENT OF HEAD
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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.10
ELEVATION	68.00	69.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.00	.00	.01	.02	.03	.05	.08	.12
ELEVATION	68.00	68.90	68.90	68.90	68.90	68.90	68.91	68.91	68.92	68.92
OUTFLOW	.18	.24	.32	.42	.54	.67	.82	1.00	1.20	1.42
ELEVATION	68.93	68.93	68.94	68.94	68.95	68.96	68.97	68.98	68.99	69.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.07	.08	.08	.08	.09	.09	.10	.10
OUTFLOW	.00	.00	.05	.18	.32	.54	.82	1.20	1.42
ELEVATION	68.00	68.90	68.91	68.93	68.94	68.95	68.97	68.99	69.00

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HYDROGRAPH AT STATION HP5SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	68.0	28	FEB	0915	34	0.	.0	68.4	28	FEB	1730	67	3.	.1	69.1
28	FEB	0115	2	0.	.0	68.0	28	FEB	0930	35	0.	.0	68.6	28	FEB	1745	68	3.	.1	69.1
28	FEB	0130	3	0.	.0	68.0	28	FEB	0945	36	0.	.1	68.7	28	FEB	1800	69	3.	.1	69.1
28	FEB	0145	4	0.	.0	68.0	28	FEB	1000	37	0.	.1	68.9	28	FEB	1815	70	3.	.1	69.1
28	FEB	0200	5	0.	.0	68.0	28	FEB	1015	38	0.	.1	68.9	28	FEB	1830	71	3.	.1	69.1
28	FEB	0215	6	0.	.0	68.0	28	FEB	1030	39	1.	.1	69.0	28	FEB	1845	72	3.	.1	69.1
28	FEB	0230	7	0.	.0	68.0	28	FEB	1045	40	1.	.1	69.0	28	FEB	1900	73	2.	.1	69.0
28	FEB	0245	8	0.	.0	68.0	28	FEB	1100	41	1.	.1	69.0	28	FEB	1915	74	2.	.1	69.0
28	FEB	0300	9	0.	.0	68.0	28	FEB	1115	42	1.	.1	69.0	28	FEB	1930	75	2.	.1	69.0
28	FEB	0315	10	0.	.0	68.0	28	FEB	1130	43	2.	.1	69.0	28	FEB	1945	76	2.	.1	69.0
28	FEB	0330	11	0.	.0	68.0	28	FEB	1145	44	2.	.1	69.0	28	FEB	2000	77	2.	.1	69.0
28	FEB	0345	12	0.	.0	68.0	28	FEB	1200	45	2.	.1	69.0	28	FEB	2015	78	2.	.1	69.0
28	FEB	0400	13	0.	.0	68.0	28	FEB	1215	46	3.	.1	69.1	28	FEB	2030	79	1.	.1	69.0
28	FEB	0415	14	0.	.0	68.0	28	FEB	1230	47	4.	.1	69.1	28	FEB	2045	80	1.	.1	69.0
28	FEB	0430	15	0.	.0	68.0	28	FEB	1245	48	5.	.2	69.2	28	FEB	2100	81	1.	.1	69.0
28	FEB	0445	16	0.	.0	68.0	28	FEB	1300	49	9.	.2	69.4	28	FEB	2115	82	1.	.1	69.0
28	FEB	0500	17	0.	.0	68.0	28	FEB	1315	50	21.	.4	69.9	28	FEB	2130	83	1.	.1	69.0
28	FEB	0515	18	0.	.0	68.0	28	FEB	1330	51	29.	.5	70.3	28	FEB	2145	84	1.	.1	69.0
28	FEB	0530	19	0.	.0	68.0	28	FEB	1345	52	26.	.5	70.2	28	FEB	2200	85	1.	.1	69.0
28	FEB	0545	20	0.	.0	68.0	28	FEB	1400	53	20.	.4	69.9	28	FEB	2215	86	1.	.1	69
28	FEB	0600	21	0.	.0	68.0	28	FEB	1415	54	16.	.3	69.7	28	FEB	2230	87	1.	.1	69
28	FEB	0615	22	0.	.0	68.0	28	FEB	1430	55	13.	.3	69.6	28	FEB	2245	88	1.	.1	69.
28	FEB	0630	23	0.	.0	68.0	28	FEB	1445	56	11.	.2	69.4	28	FEB	2300	89	1.	.1	69.0
28	FEB	0645	24	0.	.0	68.0	28	FEB	1500	57	9.	.2	69.4	28	FEB	2315	90	1.	.1	69.0
28	FEB	0700	25	0.	.0	68.0	28	FEB	1515	58	7.	.2	69.3	28	FEB	2330	91	1.	.1	69.0

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28 FEB 0715  26      0.       .0    68.0 * 28 FEB 1530  59      6.       .2    69.2 * 28 FEB 2345  92      1.       .1    69.0
28 FEB 0730  27      0.       .0    68.0 * 28 FEB 1545  60      5.       .2    69.2 *  1 MAR 0000  93      1.       .1    69.0
28 FEB 0745  28      0.       .0    68.0 * 28 FEB 1600  61      5.       .2    69.2 *  1 MAR 0015  94      1.       .1    69.0
28 FEB 0800  29      0.       .0    68.1 * 28 FEB 1615  62      4.       .1    69.1 *  1 MAR 0030  95      1.       .1    69.0
28 FEB 0815  30      0.       .0    68.1 * 28 FEB 1630  63      4.       .1    69.1 *  1 MAR 0045  96      1.       .1    69.0
   FEB 0830  31      0.       .0    68.2 * 28 FEB 1645  64      4.       .1    69.1 *  1 MAR 0100  97      1.       .1    69.0
28 FEB 0845  32      0.       .0    68.2 * 28 FEB 1700  65      3.       .1    69.1 *
28 FEB 0900  33      0.       .0    68.3 * 28 FEB 1715  66      3.       .1    69.1 *
                                         *                                          *
*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     29.     12.50                   9.          3.          3.          3.
                        (INCHES)   3.002       3.705       3.705       3.705
                         (AC-FT)     4.          6.          6.          6.

PEAK STORAGE   TIME                          MAXIMUM AVERAGE STORAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       1.     12.50                   0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    70.35     12.50                 69.37       68.75       68.75       68.75

                        CUMULATIVE AREA =     .03 SQ MI


—* *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


           **************
           *            *
346 KK     *     HB3A   *
           *            *
           **************

347 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

349 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .02  SUBBASIN AREA

                PRECIPITATION DATA

350 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .02

351 LS          SCS LOSS RATE
                      STRTL         .35  INITIAL ABSTRACTION
                     CRVNBR       85.00  CURVE NUMBER
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RTIMP .00 PERCENT IMPERVIOUS AREA

352 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .26 LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
7 END-OF-PERIOD ORDINATES

18.	21.	8.	3.	1.	0.	0.

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HYDROGRAPH AT STATION HB3A

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.19	1.11	31.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.03	.28	33.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.02	.16	19.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.01	.13	11.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.01	.10	8.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.01	.09	6.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.01	.08	5.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.01	.07	4.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.01	.06	4.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.00	.06	3.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.00	.06	3.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.05	3.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	3.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	3.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.04	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.04	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	2.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	2.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.03	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.01	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.05	.03	.02	1.	*	28 FEB 2230	87	.02	.00	.01	1.
28 FEB 1030	39	.06	.03	.03	1.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.03	.03	1.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.03	.03	2.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.03	.04	2.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.04	.04	2.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.04	.05	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.04	.06	3.	*	1 MAR 0015	94	.01	.00	.01	1.

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28 FEB 1215   46    .13    .05    .08       3.     *      1 MAR 0030   95    .01    .00    .01       1.
28 FEB 1230   47    .16    .05    .11       4.     *      1 MAR 0045   96    .01    .00    .01       1.
28 FEB 1245   48    .25    .07    .18       6.     *      1 MAR 0100   97    .01    .00    .01       1.
28 FEB 1300   49    .54    .12    .42      13.     *
                                                    *
*****************************************************************************************************************

  TOTAL RAINFALL =    6.00, TOTAL LOSS =    1.70, TOTAL EXCESS =    4.30

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                        (CFS)
+     33.     12.50                  7.          2.          2.          2.
                      (INCHES)    3.395       4.284       4.284       4.284
                       (AC-FT)      4.          5.          5.          5.

                       CUMULATIVE AREA =     .02 SQ MI


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          *            *
 353 KK   *     HB3B   *
          *            *
          **************

 354 KO        OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

 356 BA        SUBBASIN CHARACTERISTICS
                     TAREA         .01  SUBBASIN AREA

               PRECIPITATION DATA

 357 PH                            DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                   STORM AREA =     .01

 358 LS        SCS LOSS RATE
                     STRTL         .27  INITIAL ABSTRACTION
                    CRVNBR       88.00  CURVE NUMBER
                     RTIMP         .00  PERCENT IMPERVIOUS AREA

 359 UD        SCS DIMENSIONLESS UNITGRAPH
                      TLAG         .10  LAG

                                                        ***

  NING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              5 END-OF-PERIOD ORDINATES
             19.        5.        1.        0.        0.
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HYDROGRAPH AT STATION HB3B

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.13	1.17	25.
28 FEB 0115	2	.01	.01	.00	0.	28 FEB 1330	51	.31	.02	.29	12.
28 FEB 0130	3	.01	.01	.00	0.	28 FEB 1345	52	.18	.01	.17	6.
28 FEB 0145	4	.01	.01	.00	0.	28 FEB 1400	53	.14	.01	.13	4.
28 FEB 0200	5	.01	.01	.00	0.	28 FEB 1415	54	.11	.01	.10	3.
28 FEB 0215	6	.01	.01	.00	0.	28 FEB 1430	55	.10	.01	.09	2.
28 FEB 0230	7	.01	.01	.00	0.	28 FEB 1445	56	.08	.00	.08	2.
28 FEB 0245	8	.01	.01	.00	0.	28 FEB 1500	57	.08	.00	.07	2.
28 FEB 0300	9	.01	.01	.00	0.	28 FEB 1515	58	.07	.00	.07	2.
28 FEB 0315	10	.01	.01	.00	0.	28 FEB 1530	59	.06	.00	.06	2.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.06	.00	.06	1.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.00	.05	1.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.00	.05	1.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.00	.05	1.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.00	.05	1.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.04	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	28 FEB 1845	72	.04	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.01	0.	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.01	0.	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.03	.01	0.	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.03	.01	0.	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.03	.01	0.	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.03	.02	0.	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.03	.02	0.	28 FEB 2115	82	.02	.00	.02	0.
28 FEB 0915	34	.04	.03	.02	0.	28 FEB 2130	83	.02	.00	.02	0.
28 FEB 0930	35	.05	.03	.02	1.	28 FEB 2145	84	.02	.00	.02	0.
28 FEB 0945	36	.05	.03	.02	1.	28 FEB 2200	85	.02	.00	.02	0.
28 FEB 1000	37	.05	.03	.03	1.	28 FEB 2215	86	.02	.00	.02	0.
28 FEB 1015	38	.05	.02	.03	1.	28 FEB 2230	87	.02	.00	.02	0.
28 FEB 1030	39	.06	.03	.03	1.	28 FEB 2245	88	.02	.00	.01	0.
28 FEB 1045	40	.06	.03	.04	1.	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.03	.04	1.	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.03	.05	1.	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.03	.05	1.	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.03	.06	2.	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.03	.07	2.	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.03	.09	2.	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.04	.12	3.	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.05	.20	5.	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.09	.45	10.						

TOTAL RAINFALL = 6.00, TOTAL LOSS = 1.37, TOTAL EXCESS = 4.63

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)				

```
                    (CFS)
+     25.    12.25                  4.         1.         1.         1.
                  (INCHES)       3.610      4.616      4.616      4.616
                   (AC-FT)          2.         2.         2.         2.

                   CUMULATIVE AREA =     .01 SQ MI


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          *            *
363 KK    *    HB3BSP  *
          *            *
          **************

364 KO         OUTPUT CONTROL VARIABLES
                    IPRNT           1  PRINT CONTROL
                    IPLOT           0  PLOT CONTROL
                    QSCAL          0.  HYDROGRAPH PLOT SCALE
                             STORAGE ROUTING THROUGH HB3B DEPRESSION

             HYDROGRAPH ROUTING DATA

366 RS         STORAGE ROUTING
                    NSTPS           1  NUMBER OF SUBREACHES
                     ITYP        ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC       68.80  INITIAL CONDITION
                        X         .00 WORKING R AND D COEFFICIENT

    SA             AREA          .0        .7       1.9

368 SE         ELEVATION       68.80     69.20     69.50

369 SS         SPILLWAY
                     CREL       69.40  SPILLWAY CREST ELEVATION
                    SPWID       40.00  SPILLWAY WIDTH
                     COQW        3.00  WEIR COEFFICIENT
                     EXPW        1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .10       .48
        ELEVATION      68.80     69.20     69.50

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00       .00       .01       .02       .04       .08       .14       .22       .33
        ELEVATION      68.80     69.40     69.40     69.40     69.40     69.40     69.41     69.41     69.42     69.42

          OUTFLOW        .47       .65       .87      1.12      1.43      1.79      2.20      2.67      3.20      3.79
        ELEVATION      69.43     69.43     69.44     69.44     69.45     69.46     69.47     69.48     69.49     69.50


                                     COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00       .10       .31       .33       .35       .37       .39       .42       .46       .48
          OUTFLOW        .00       .00       .00       .14       .47       .87      1.43      2.20      3.20      3.79
        ELEVATION      68.80     69.20     69.40     69.41     69.43     69.44     69.45     69.47     69.49     69.50
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HYDROGRAPH AT STATION HB3BSP

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	68.8	28	FEB	0915	34	0.	.1	69.2	28	FEB	1730	67	3.	.5	69.5
28	FEB	0115	2	0.	.0	68.8	28	FEB	0930	35	0.	.1	69.2	28	FEB	1745	68	3.	.5	69.5
28	FEB	0130	3	0.	.0	68.8	28	FEB	0945	36	0.	.2	69.3	28	FEB	1800	69	3.	.5	69.5
28	FEB	0145	4	0.	.0	68.8	28	FEB	1000	37	0.	.2	69.3	28	FEB	1815	70	3.	.5	69.5
28	FEB	0200	5	0.	.0	68.8	28	FEB	1015	38	0.	.2	69.3	28	FEB	1830	71	3.	.4	69.5
28	FEB	0215	6	0.	.0	68.8	28	FEB	1030	39	0.	.3	69.4	28	FEB	1845	72	3.	.4	69.5
28	FEB	0230	7	0.	.0	68.8	28	FEB	1045	40	0.	.3	69.4	28	FEB	1900	73	3.	.4	69.5
28	FEB	0245	8	0.	.0	68.8	28	FEB	1100	41	1.	.4	69.4	28	FEB	1915	74	3.	.4	69.5
28	FEB	0300	9	0.	.0	68.8	28	FEB	1115	42	1.	.4	69.5	28	FEB	1930	75	2.	.4	69.5
28	FEB	0315	10	0.	.0	68.8	28	FEB	1130	43	2.	.4	69.5	28	FEB	1945	76	2.	.4	69.5
28	FEB	0330	11	0.	.0	68.8	28	FEB	1145	44	3.	.4	69.5	28	FEB	2000	77	2.	.4	69.5
28	FEB	0345	12	0.	.0	68.8	28	FEB	1200	45	3.	.5	69.5	28	FEB	2015	78	2.	.4	69.5
28	FEB	0400	13	0.	.0	68.8	28	FEB	1215	46	4.	.5	69.5	28	FEB	2030	79	2.	.4	69.5
28	FEB	0415	14	0.	.0	68.8	28	FEB	1230	47	5.	.5	69.5	28	FEB	2045	80	2.	.4	69.5
28	FEB	0430	15	0.	.0	68.8	28	FEB	1245	48	7.	.6	69.6	28	FEB	2100	81	1.	.4	69.5
28	FEB	0445	16	0.	.0	68.8	28	FEB	1300	49	12.	.7	69.6	28	FEB	2115	82	1.	.4	69.5
28	FEB	0500	17	0.	.0	68.8	28	FEB	1315	50	25.	1.2	69.9	28	FEB	2130	83	1.	.4	69.5
28	FEB	0515	18	0.	.0	68.8	28	FEB	1330	51	37.	1.6	70.1	28	FEB	2145	84	1.	.4	69.4
28	FEB	0530	19	0.	.0	68.8	28	FEB	1345	52	36.	1.5	70.1	28	FEB	2200	85	1.	.4	69.4
28	FEB	0545	20	0.	.0	68.8	28	FEB	1400	53	28.	1.3	69.9	28	FEB	2215	86	1.	.4	69.4
28	FEB	0600	21	0.	.0	68.8	28	FEB	1415	54	21.	1.1	69.8	28	FEB	2230	87	1.	.4	69.4
28	FEB	0615	22	0.	.0	68.8	28	FEB	1430	55	16.	.9	69.7	28	FEB	2245	88	1.	.4	69.4
28	FEB	0630	23	0.	.0	68.8	28	FEB	1445	56	12.	.7	69.6	28	FEB	2300	89	1.	.4	69
28	FEB	0645	24	0.	.0	68.8	28	FEB	1500	57	9.	.7	69.6	28	FEB	2315	90	1.	.4	6
28	FEB	0700	25	0.	.0	68.8	28	FEB	1515	58	8.	.6	69.6	28	FEB	2330	91	1.	.4	69
28	FEB	0715	26	0.	.0	68.8	28	FEB	1530	59	6.	.6	69.5	28	FEB	2345	92	1.	.4	69.
28	FEB	0730	27	0.	.0	68.9	28	FEB	1545	60	6.	.5	69.5	1	MAR	0000	93	1.	.4	69.4
28	FEB	0745	28	0.	.0	68.9	28	FEB	1600	61	5.	.5	69.5	1	MAR	0015	94	1.	.4	69.4
28	FEB	0800	29	0.	.0	68.9	28	FEB	1615	62	5.	.5	69.5	1	MAR	0030	95	1.	.4	69.4
28	FEB	0815	30	0.	.0	69.0	28	FEB	1630	63	4.	.5	69.5	1	MAR	0045	96	1.	.4	69.4
28	FEB	0830	31	0.	.1	69.0	28	FEB	1645	64	4.	.5	69.5	1	MAR	0100	97	1.	.4	69.4
28	FEB	0845	32	0.	.1	69.1	28	FEB	1700	65	4.	.5	69.5							
28	FEB	0900	33	0.	.1	69.2	28	FEB	1715	66	4.	.5	69.5							

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 37.	12.50		11.	3.	3.	3.
		(INCHES)	3.449	4.159	4.159	4.159
		(AC-FT)	6.	7.	7.	7.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
2.	12.50	1.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
70.10	12.50	69.63	69.28	69.28	69.28

CUMULATIVE AREA = .03 SQ MI

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          *            *
370 KK    *     HB3C   *
          *            *
          **************

371 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

373 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .01  SUBBASIN AREA

                PRECIPITATION DATA

374 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ................ TP-40 ................   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .01

375 LS          SCS LOSS RATE
                      STRTL        .63  INITIAL ABSTRACTION
                     CRVNBR      76.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

376 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .28  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                               8 END-OF-PERIOD ORDINATES
                8.      11.       4.       2.       1.       0.       0.       0.

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                                              HYDROGRAPH AT STATION     HB3C

*****************************************************************************************************************************
                                                                 *
     DA MON HRMN  ORD    RAIN    LOSS  EXCESS    COMP Q          *     DA MON HRMN  ORD    RAIN    LOSS  EXCESS    COMP Q
                                                                 *
     28 FEB 0100    1     .00     .00     .00        0.           *     28 FEB 1315   50    1.30     .40     .90       11.
     28 FEB 0115    2     .01     .01     .00        0.           *     28 FEB 1330   51     .31     .07     .24       13.
     28 FEB 0130    3     .01     .01     .00        0.           *     28 FEB 1345   52     .18     .04     .14        8.
     28 FEB 0145    4     .01     .01     .00        0.           *     28 FEB 1400   53     .14     .03     .11        5.
     28 FEB 0200    5     .01     .01     .00        0.           *     28 FEB 1415   54     .11     .02     .09        3.
     28 FEB 0215    6     .01     .01     .00        0.           *     28 FEB 1430   55     .10     .02     .08        3.
     28 FEB 0230    7     .01     .01     .00        0.           *     28 FEB 1445   56     .08     .02     .07        2.
     28 FEB 0245    8     .01     .01     .00        0.           *     28 FEB 1500   57     .08     .01     .06        2.
     28 FEB 0300    9     .01     .01     .00        0.           *     28 FEB 1515   58     .07     .01     .06        2.
     28 FEB 0315   10     .01     .01     .00        0.           *     28 FEB 1530   59     .06     .01     .05        1.
     28 FEB 0330   11     .02     .02     .00        0.           *     28 FEB 1545   60     .06     .01     .05        1.
     28 FEB 0345   12     .02     .02     .00        0.           *     28 FEB 1600   61     .06     .01     .05        1.
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28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.04	1.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	1.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.01	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.01	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	0.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	0.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	0.
28 FEB 0930	35	.05	.04	.00	0.	*	28 FEB 2145	84	.02	.00	.01	0.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.01	0.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.01	0.
28 FEB 1015	38	.05	.05	.01	0.	*	28 FEB 2230	87	.02	.00	.01	0.
28 FEB 1030	39	.06	.05	.01	0.	*	28 FEB 2245	88	.02	.00	.01	0.
28 FEB 1045	40	.06	.05	.01	0.	*	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.05	.02	0.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.05	.02	0.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.06	.02	1.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.06	.03	1.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.07	.04	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.08	.05	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.09	.07	1.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.13	.12	2.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.23	.31	4.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.62, TOTAL EXCESS = 3.38

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 13.	12.50		3.	1.	1.	1.
		(INCHES)	2.734	3.362	3.362	3.362
		(AC-FT)	1.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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            **************
            *            *
380 KK      *   CRMLGN   *
            *            *
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381 KO OUTPUT CONTROL VARIABLES

IPRNT 1 PRINT CONTROL

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                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH CHROMIUM LAGOONS

          HYDROGRAPH ROUTING DATA

383 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      60.00  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

384 SA          AREA          .3        .4        .7       1.2

385 SE        ELEVATION      59.00     60.20     62.00     63.00

386 SS        SPILLWAY
                 CREL      62.90  SPILLWAY CREST ELEVATION
                SPWID      40.00  SPILLWAY WIDTH
                 COQW       3.00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .43      1.46      2.43
      ELEVATION     59.00     60.20     62.00     63.00

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00       .00       .01       .02       .04       .08       .14       .22       .33
      ELEVATION     59.00     62.90     62.90     62.90     62.90     62.90     62.91     62.91     62.92     62.92

        OUTFLOW       .47       .65       .87      1.12      1.43      1.79      2.20      2.67      3.20      3.79
      ELEVATION     62.93     62.93     62.94     62.94     62.95     62.96     62.97     62.98     62.99     63.00

                                COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .43      1.46      2.31      2.32      2.34      2.35      2.37      2.39      2.41
        OUTFLOW       .00       .00       .00       .00       .14       .47       .87      1.43      2.20      3.20
      ELEVATION     59.00     60.20     62.00     62.90     62.91     62.93     62.94     62.95     62.97     62.99

        STORAGE      2.43
        OUTFLOW      3.79
      ELEVATION     63.00

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                                  HYDROGRAPH AT STATION   CRMLGN

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.3	60.0	*	28	FEB	0915	34	0.	.3	60.0	*	28	FEB	1730	67	5.	2.4	63.0
28	FEB	0115	2	0.	.3	60.0	*	28	FEB	0930	35	0.	.4	60.0	*	28	FEB	1745	68	4.	2.4	63.0
28	FEB	0130	3	0.	.3	60.0	*	28	FEB	0945	36	0.	.4	60.0	*	28	FEB	1800	69	4.	2.4	63.0
28	FEB	0145	4	0.	.3	60.0	*	28	FEB	1000	37	0.	.4	60.0	*	28	FEB	1815	70	4.	2.4	63.0
	FEB	0200	5	0.	.3	60.0	*	28	FEB	1015	38	0.	.4	60.0	*	28	FEB	1830	71	4.	2.4	63.0
	FEB	0215	6	0.	.3	60.0	*	28	FEB	1030	39	0.	.4	60.0	*	28	FEB	1845	72	4.	2.4	63.0
28	FEB	0230	7	0.	.3	60.0	*	28	FEB	1045	40	0.	.4	60.0	*	28	FEB	1900	73	4.	2.4	63.0
28	FEB	0245	8	0.	.3	60.0	*	28	FEB	1100	41	0.	.4	60.1	*	28	FEB	1915	74	3.	2.4	63.0
28	FEB	0300	9	0.	.3	60.0	*	28	FEB	1115	42	0.	.4	60.1	*	28	FEB	1930	75	3.	2.4	63.0
28	FEB	0315	10	0.	.3	60.0	*	28	FEB	1130	43	0.	.5	60.2	*	28	FEB	1945	76	3.	2.4	63.0

28 FEB 0330	11	0.	.3	60.0	*	28 FEB 1145	44	0.	.5	60.4	*	28 FEB 2000	77	3.	2.4	63.0
28 FEB 0345	12	0.	.3	60.0	*	28 FEB 1200	45	0.	.6	60.5	*	28 FEB 2015	78	2.	2.4	63.0
28 FEB 0400	13	0.	.3	60.0	*	28 FEB 1215	46	0.	.7	60.7	*	28 FEB 2030	79	2.	2.4	63.0
28 FEB 0415	14	0.	.3	60.0	*	28 FEB 1230	47	0.	.8	60.9	*	28 FEB 2045	80	2.	2.4	6[illegible]
28 FEB 0430	15	0.	.3	60.0	*	28 FEB 1245	48	0.	1.0	61.2	*	28 FEB 2100	81	2.	2.4	6[illegible]
28 FEB 0445	16	0.	.3	60.0	*	28 FEB 1300	49	0.	1.2	61.6	*	28 FEB 2115	82	2.	2.4	63.[illegible]
28 FEB 0500	17	0.	.3	60.0	*	28 FEB 1315	50	0.	1.8	62.3	*	28 FEB 2130	83	2.	2.4	63.0
28 FEB 0515	18	0.	.3	60.0	*	28 FEB 1330	51	10.	2.6	63.1	*	28 FEB 2145	84	2.	2.4	63.0
28 FEB 0530	19	0.	.3	60.0	*	28 FEB 1345	52	34.	3.1	63.5	*	28 FEB 2200	85	2.	2.4	63.0
28 FEB 0545	20	0.	.3	60.0	*	28 FEB 1400	53	37.	3.2	63.6	*	28 FEB 2215	86	2.	2.4	63.0
28 FEB 0600	21	0.	.3	60.0	*	28 FEB 1415	54	32.	3.0	63.5	*	28 FEB 2230	87	2.	2.4	63.0
28 FEB 0615	22	0.	.3	60.0	*	28 FEB 1430	55	25.	2.9	63.4	*	28 FEB 2245	88	2.	2.4	63.0
28 FEB 0630	23	0.	.3	60.0	*	28 FEB 1445	56	19.	2.8	63.3	*	28 FEB 2300	89	2.	2.4	63.0
28 FEB 0645	24	0.	.3	60.0	*	28 FEB 1500	57	15.	2.7	63.2	*	28 FEB 2315	90	2.	2.4	63.0
28 FEB 0700	25	0.	.3	60.0	*	28 FEB 1515	58	12.	2.6	63.1	*	28 FEB 2330	91	2.	2.4	63.0
28 FEB 0715	26	0.	.3	60.0	*	28 FEB 1530	59	10.	2.6	63.1	*	28 FEB 2345	92	1.	2.4	63.0
28 FEB 0730	27	0.	.3	60.0	*	28 FEB 1545	60	8.	2.5	63.1	*	1 MAR 0000	93	1.	2.4	63.0
28 FEB 0745	28	0.	.3	60.0	*	28 FEB 1600	61	7.	2.5	63.1	*	1 MAR 0015	94	1.	2.4	63.0
28 FEB 0800	29	0.	.3	60.0	*	28 FEB 1615	62	7.	2.5	63.0	*	1 MAR 0030	95	1.	2.4	63.0
28 FEB 0815	30	0.	.3	60.0	*	28 FEB 1630	63	6.	2.5	63.0	*	1 MAR 0045	96	1.	2.4	63.0
28 FEB 0830	31	0.	.3	60.0	*	28 FEB 1645	64	6.	2.5	63.0	*	1 MAR 0100	97	1.	2.4	62.9
28 FEB 0845	32	0.	.3	60.0	*	28 FEB 1700	65	5.	2.5	63.0	*					
28 FEB 0900	33	0.	.3	60.0	*	28 FEB 1715	66	5.	2.4	63.0	*					
					*						*					

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  PEAK FLOW      TIME                          MAXIMUM AVERAGE FLOW
                                      6-HR       24-HR       72-HR     24.00-HR
+   (CFS)        (HR)
                            (CFS)
+       37.      13.00                  11.          3.          3.          3.
                          (INCHES)    2.593       3.014       3.014       3.014
                           (AC-FT)       6.          6.          6.          6.

 PEAK STORAGE    TIME                         MAXIMUM AVERAGE STORAGE
                                      6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)       (HR)
         3.      13.00                   3.          1.          1.          1.

  PEAK STAGE     TIME                          MAXIMUM AVERAGE STAGE
                                      6-HR       24-HR       72-HR     24.00-HR
+   (FEET)       (HR)
      63.60      13.00                63.13       61.55       61.55       61.55

                        CUMULATIVE AREA =      .04 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


             ***************
             *             *
  387 KK     *     HB4A    *
             *             *
             ***************

  388 KO          OUTPUT CONTROL VARIABLES
                        IPRNT           1  PRINT CONTROL
                        IPLOT           0  PLOT CONTROL
                        QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA
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390 BA          SUBBASIN CHARACTERISTICS
                     TAREA          .02  SUBBASIN AREA

                PRECIPITATION DATA

  , PH                                 DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                   STORM AREA =     .02

392 LS          SCS LOSS RATE
                     STRTL          .38  INITIAL ABSTRACTION
                    CRVNBR        84.00  CURVE NUMBER
                     RTIMP          .00  PERCENT IMPERVIOUS AREA

393 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG          .25  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                               7 END-OF-PERIOD ORDINATES
              22.       24.        8.        3.        1.        0.        0.
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HYDROGRAPH AT STATION HB4A

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.30	.22	1.08	36.
28	FEB	0115	2	.01	.01	.00	0.	*	28	FEB	1330	51	.31	.04	.27	37.
28	FEB	0130	3	.01	.01	.00	0.	*	28	FEB	1345	52	.18	.02	.16	21.
28	FEB	0145	4	.01	.01	.00	0.	*	28	FEB	1400	53	.14	.01	.12	12.
28	FEB	0200	5	.01	.01	.00	0.	*	28	FEB	1415	54	.11	.01	.10	9.
28	FEB	0215	6	.01	.01	.00	0.	*	28	FEB	1430	55	.10	.01	.09	7.
28	FEB	0230	7	.01	.01	.00	0.	*	28	FEB	1445	56	.08	.01	.08	5.
28	FEB	0245	8	.01	.01	.00	0.	*	28	FEB	1500	57	.08	.01	.07	5.
28	FEB	0300	9	.01	.01	.00	0.	*	28	FEB	1515	58	.07	.01	.06	4.
28	FEB	0315	10	.01	.01	.00	0.	*	28	FEB	1530	59	.06	.01	.06	4.
28	FEB	0330	11	.02	.02	.00	0.	*	28	FEB	1545	60	.06	.01	.05	3.
28	FEB	0345	12	.02	.02	.00	0.	*	28	FEB	1600	61	.06	.00	.05	3.
28	FEB	0400	13	.02	.02	.00	0.	*	28	FEB	1615	62	.05	.00	.05	3.
28	FEB	0415	14	.02	.02	.00	0.	*	28	FEB	1630	63	.05	.00	.05	3.
28	FEB	0430	15	.02	.02	.00	0.	*	28	FEB	1645	64	.05	.00	.04	3.
28	FEB	0445	16	.02	.02	.00	0.	*	28	FEB	1700	65	.05	.00	.04	3.
28	FEB	0500	17	.02	.02	.00	0.	*	28	FEB	1715	66	.04	.00	.04	2.
28	FEB	0515	18	.02	.02	.00	0.	*	28	FEB	1730	67	.04	.00	.04	2.
28	FEB	0530	19	.02	.02	.00	0.	*	28	FEB	1745	68	.04	.00	.04	2.
28	FEB	0545	20	.02	.02	.00	0.	*	28	FEB	1800	69	.04	.00	.04	2.
28	FEB	0600	21	.02	.02	.00	0.	*	28	FEB	1815	70	.04	.00	.03	2.
28	FEB	0615	22	.02	.02	.00	0.	*	28	FEB	1830	71	.04	.00	.03	2.
28	FEB	0630	23	.02	.02	.00	0.	*	28	FEB	1845	72	.04	.00	.03	2.
28	FEB	0645	24	.02	.02	.00	0.	*	28	FEB	1900	73	.03	.00	.03	2.
28	FEB	0700	25	.02	.02	.00	0.	*	28	FEB	1915	74	.02	.00	.02	2.
28	FEB	0715	26	.03	.03	.00	0.	*	28	FEB	1930	75	.02	.00	.02	1.
28	FEB	0730	27	.03	.03	.00	0.	*	28	FEB	1945	76	.02	.00	.02	1.
28	FEB	0745	28	.04	.03	.00	0.	*	28	FEB	2000	77	.02	.00	.02	1.
28	FEB	0800	29	.04	.03	.00	0.	*	28	FEB	2015	78	.02	.00	.02	1.
28	FEB	0815	30	.04	.03	.01	0.	*	28	FEB	2030	79	.02	.00	.02	1.

28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.01	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.01	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.05	.03	.02	1.	*	28 FEB 2230	87	.02	.00	.01	1.
28 FEB 1030	39	.06	.03	.02	1.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.03	.03	1.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.04	.03	2.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.04	.04	2.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.04	.04	2.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.04	.05	3.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.04	.06	3.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.05	.08	4.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.06	.10	5.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.25	.08	.17	7.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.54	.14	.40	14.	*						
						*						

****

TOTAL RAINFALL = 6.00, TOTAL LOSS = 1.80, TOTAL EXCESS = 4.20

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 37.	12.50		8.	3.	3.	3.
		(INCHES)	3.323	4.179	4.179	4.179
		(AC-FT)	4.	5.	5.	5.

CUMULATIVE AREA = .02 SQ MI

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          *            *
397 KK    *    SHD10C  *
          *            *
          **************

398 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            STORAGE ROUTING THROUGH ATLANTIC AVENUE CHANNEL at RR TRACKS

            HYDROGRAPH ROUTING DATA

400 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       STOR  TYPE OF INITIAL CONDITION
                   RSVRIC        .00  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

401 RC        NORMAL DEPTH CHANNEL ROUTING
                      ANL       .080  LEFT OVERBANK N-VALUE
                     ANCH       .030  MAIN CHANNEL N-VALUE
                      ANR       .080  RIGHT OVERBANK N-VALUE
                    RLNTH       800.  REACH LENGTH
                      SEL      .0070  ENERGY SLOPE
```

ELMAX 63.0 MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

		--- LEFT OVERBANK ---			+ ------ MAIN CHANNEL -------			+ --- RIGHT OVERBANK ---	
RY	ELEVATION	63.00	62.50	62.00	54.20	54.20	62.00	62.50	63.00
RX	DISTANCE	.00	10.00	20.00	28.00	42.00	50.00	60.00	70.00

***

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.12	.25	.39	.54	.70	.86	1.03	1.21	1.40
OUTFLOW	.00	16.05	50.89	100.12	162.22	236.42	322.34	419.79	528.71	649.14
ELEVATION	54.20	54.66	55.13	55.59	56.05	56.52	56.98	57.44	57.91	58.37
STORAGE	1.59	1.80	2.01	2.23	2.46	2.70	2.94	3.19	3.55	4.07
OUTFLOW	781.14	924.85	1080.41	1247.98	1427.76	1619.93	1824.69	2050.08	2334.15	2644.58
ELEVATION	58.83	59.29	59.76	60.22	60.68	61.15	61.61	62.07	62.54	63.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 2645.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION SHD10C

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
	FEB	0100	1	0.	.0	54.2	28	FEB	0915	34	1.	.0	54.2	28	FEB	1730	67	10.	.1	54.5
	FEB	0115	2	0.	.0	54.2	28	FEB	0930	35	1.	.0	54.2	28	FEB	1745	68	10.	.1	54.5
28	FEB	0130	3	0.	.0	54.2	28	FEB	0945	36	1.	.0	54.2	28	FEB	1800	69	9.	.1	54.5
28	FEB	0145	4	0.	.0	54.2	28	FEB	1000	37	1.	.0	54.2	28	FEB	1815	70	9.	.1	54.5
28	FEB	0200	5	0.	.0	54.2	28	FEB	1015	38	1.	.0	54.2	28	FEB	1830	71	9.	.1	54.5
28	FEB	0215	6	0.	.0	54.2	28	FEB	1030	39	2.	.0	54.3	28	FEB	1845	72	8.	.1	54.4
28	FEB	0230	7	0.	.0	54.2	28	FEB	1045	40	2.	.0	54.3	28	FEB	1900	73	8.	.1	54.4
28	FEB	0245	8	0.	.0	54.2	28	FEB	1100	41	3.	.0	54.3	28	FEB	1915	74	8.	.1	54.4
28	FEB	0300	9	0.	.0	54.2	28	FEB	1115	42	3.	.0	54.3	28	FEB	1930	75	7.	.1	54.4
28	FEB	0315	10	0.	.0	54.2	28	FEB	1130	43	4.	.0	54.3	28	FEB	1945	76	6.	.0	54.4
28	FEB	0330	11	0.	.0	54.2	28	FEB	1145	44	4.	.0	54.3	28	FEB	2000	77	6.	.0	54.4
28	FEB	0345	12	0.	.0	54.2	28	FEB	1200	45	5.	.0	54.3	28	FEB	2015	78	5.	.0	54.3
28	FEB	0400	13	0.	.0	54.2	28	FEB	1215	46	6.	.0	54.4	28	FEB	2030	79	5.	.0	54.3
28	FEB	0415	14	0.	.0	54.2	28	FEB	1230	47	8.	.1	54.4	28	FEB	2045	80	5.	.0	54.3
28	FEB	0430	15	0.	.0	54.2	28	FEB	1245	48	11.	.1	54.5	28	FEB	2100	81	4.	.0	54.3
28	FEB	0445	16	0.	.0	54.2	28	FEB	1300	49	20.	.1	54.7	28	FEB	2115	82	4.	.0	54.3
28	FEB	0500	17	0.	.0	54.2	28	FEB	1315	50	50.	.2	55.1	28	FEB	2130	83	4.	.0	54.3
28	FEB	0515	18	0.	.0	54.2	28	FEB	1330	51	76.	.3	55.4	28	FEB	2145	84	4.	.0	54.3
28	FEB	0530	19	0.	.0	54.2	28	FEB	1345	52	80.	.3	55.4	28	FEB	2200	85	4.	.0	54.3
28	FEB	0545	20	0.	.0	54.2	28	FEB	1400	53	73.	.3	55.3	28	FEB	2215	86	4.	.0	54.3
28	FEB	0600	21	0.	.0	54.2	28	FEB	1415	54	58.	.3	55.2	28	FEB	2230	87	4.	.0	54.3
28	FEB	0615	22	0.	.0	54.2	28	FEB	1430	55	47.	.2	55.1	28	FEB	2245	88	4.	.0	54.3
28	FEB	0630	23	0.	.0	54.2	28	FEB	1445	56	37.	.2	54.9	28	FEB	2300	89	4.	.0	54.3
28	FEB	0645	24	0.	.0	54.2	28	FEB	1500	57	29.	.2	54.8	28	FEB	2315	90	3.	.0	54.3
28	FEB	0700	25	0.	.0	54.2	28	FEB	1515	58	24.	.2	54.8	28	FEB	2330	91	3.	.0	54.3
28	FEB	0715	26	0.	.0	54.2	28	FEB	1530	59	20.	.1	54.7	28	FEB	2345	92	3.	.0	54.3
28	FEB	0730	27	0.	.0	54.2	28	FEB	1545	60	18.	.1	54.7	1	MAR	0000	93	3.	.0	54.3
28	FEB	0745	28	0.	.0	54.2	28	FEB	1600	61	16.	.1	54.7	1	MAR	0015	94	3.	.0	54.3
	FEB	0800	29	0.	.0	54.2	28	FEB	1615	62	14.	.1	54.6	1	MAR	0030	95	3.	.0	54.3
	FEB	0815	30	0.	.0	54.2	28	FEB	1630	63	13.	.1	54.6	1	MAR	0045	96	3.	.0	54.3
28	FEB	0830	31	0.	.0	54.2	28	FEB	1645	64	12.	.1	54.6	1	MAR	0100	97	3.	.0	54.3
28	FEB	0845	32	0.	.0	54.2	28	FEB	1700	65	12.	.1	54.5							
28	FEB	0900	33	1.	.0	54.2	28	FEB	1715	66	11.	.1	54.5							

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+     80.     12.75                 28.          9.          9.          9.
                      (INCHES)    2.836       3.516       3.516       3.516
                       (AC-FT)      14.         17.         17.         17.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+ (AC-FT)      (HR)
       0.     12.75                  0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    55.40     12.75                54.77       54.39       54.39       54.39

                       CUMULATIVE AREA =     .09 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
 404 KK   *     HB4B   *
          *            *
          **************

 405 KO        OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

 407 BA        SUBBASIN CHARACTERISTICS
                     TAREA         .07  SUBBASIN AREA

               PRECIPITATION DATA

 408 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .60    1.30    2.40   3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .07

 409 LS        SCS LOSS RATE
                     STRTL         .15  INITIAL ABSTRACTION
                    CRVNBR       93.00  CURVE NUMBER
                     RTIMP         .00  PERCENT IMPERVIOUS AREA

 410 UD        SCS DIMENSIONLESS UNITGRAPH
                      TLAG         .32  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG
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UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES

43. 71. 34. 14. 5. 2. 1. 0.

HYDROGRAPH AT STATION HB4B

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.05	1.25	99.
28 FEB 0115	2	.01	.01	.00	0.	28 FEB 1330	51	.31	.01	.30	122.
28 FEB 0130	3	.01	.01	.00	0.	28 FEB 1345	52	.18	.00	.17	80.
28 FEB 0145	4	.01	.01	.00	0.	28 FEB 1400	53	.14	.00	.14	49.
28 FEB 0200	5	.01	.01	.00	0.	28 FEB 1415	54	.11	.00	.11	33.
28 FEB 0215	6	.01	.01	.00	0.	28 FEB 1430	55	.10	.00	.09	24.
28 FEB 0230	7	.01	.01	.00	0.	28 FEB 1445	56	.08	.00	.08	19.
28 FEB 0245	8	.01	.01	.00	0.	28 FEB 1500	57	.08	.00	.07	16.
28 FEB 0300	9	.01	.01	.00	0.	28 FEB 1515	58	.07	.00	.07	13.
28 FEB 0315	10	.01	.01	.00	0.	28 FEB 1530	59	.06	.00	.06	12.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.06	.00	.06	11.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.00	.05	10.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.00	.05	10.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.00	.05	9.
28 FEB 0430	15	.02	.01	.00	0.	28 FEB 1645	64	.05	.00	.05	9.
28 FEB 0445	16	.02	.01	.00	0.	28 FEB 1700	65	.05	.00	.04	8.
28 FEB 0500	17	.02	.01	.00	0.	28 FEB 1715	66	.04	.00	.04	8.
28 FEB 0515	18	.02	.01	.00	1.	28 FEB 1730	67	.04	.00	.04	7.
28 FEB 0530	19	.02	.01	.00	1.	28 FEB 1745	68	.04	.00	.04	7.
28 FEB 0545	20	.02	.01	.01	1.	28 FEB 1800	69	.04	.00	.04	7.
28 FEB 0600	21	.02	.01	.01	1.	28 FEB 1815	70	.04	.00	.04	7.
28 FEB 0615	22	.02	.01	.01	1.	28 FEB 1830	71	.04	.00	.04	6.
28 FEB 0630	23	.02	.01	.01	1.	28 FEB 1845	72	.04	.00	.03	6.
28 FEB 0645	24	.02	.01	.01	1.	28 FEB 1900	73	.03	.00	.03	6.
28 FEB 0700	25	.02	.01	.01	1.	28 FEB 1915	74	.02	.00	.02	5.
28 FEB 0715	26	.03	.02	.02	2.	28 FEB 1930	75	.02	.00	.02	4.
28 FEB 0730	27	.03	.02	.02	2.	28 FEB 1945	76	.02	.00	.02	4.
28 FEB 0745	28	.04	.02	.02	3.	28 FEB 2000	77	.02	.00	.02	4.
28 FEB 0800	29	.04	.02	.02	3.	28 FEB 2015	78	.02	.00	.02	3.
28 FEB 0815	30	.04	.02	.02	3.	28 FEB 2030	79	.02	.00	.02	3.
28 FEB 0830	31	.04	.02	.02	4.	28 FEB 2045	80	.02	.00	.02	3.
28 FEB 0845	32	.04	.02	.03	4.	28 FEB 2100	81	.02	.00	.02	3.
28 FEB 0900	33	.04	.01	.03	4.	28 FEB 2115	82	.02	.00	.02	3.
28 FEB 0915	34	.04	.01	.03	5.	28 FEB 2130	83	.02	.00	.02	3.
28 FEB 0930	35	.05	.01	.03	5.	28 FEB 2145	84	.02	.00	.02	3.
28 FEB 0945	36	.05	.01	.04	5.	28 FEB 2200	85	.02	.00	.02	3.
28 FEB 1000	37	.05	.01	.04	6.	28 FEB 2215	86	.02	.00	.02	3.
28 FEB 1015	38	.05	.01	.04	6.	28 FEB 2230	87	.02	.00	.02	3.
28 FEB 1030	39	.06	.01	.04	7.	28 FEB 2245	88	.02	.00	.02	3.
28 FEB 1045	40	.06	.01	.05	7.	28 FEB 2300	89	.02	.00	.01	3.
28 FEB 1100	41	.07	.01	.05	8.	28 FEB 2315	90	.01	.00	.01	3.
28 FEB 1115	42	.07	.01	.06	9.	28 FEB 2330	91	.01	.00	.01	3.
28 FEB 1130	43	.08	.01	.07	10.	28 FEB 2345	92	.01	.00	.01	2.
28 FEB 1145	44	.09	.01	.08	11.	1 MAR 0000	93	.01	.00	.01	2.
28 FEB 1200	45	.10	.01	.09	13.	1 MAR 0015	94	.01	.00	.01	2.
28 FEB 1215	46	.13	.02	.11	15.	1 MAR 0030	95	.01	.00	.01	2.
28 FEB 1230	47	.16	.02	.14	18.	1 MAR 0045	96	.01	.00	.01	2.
28 FEB 1245	48	.25	.02	.23	25.	1 MAR 0100	97	.01	.00	.01	2.
28 FEB 1300	49	.54	.04	.50	44.						

TOTAL RAINFALL = 6.00, TOTAL LOSS = .82, TOTAL EXCESS = 5.18

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 122.	12.50		28.	9.	9.	9.
		(INCHES)	3.931	5.158	5.158	5.158
		(AC-FT)	14.	18.	18.	18.

CUMULATIVE AREA = .07 SQ MI

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          **************
          *            *
411 KK    *   4DCHAB   *
          *            *
          **************

412 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                          DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON

  6 IN        TIME DATA FOR INPUT TIME SERIES
                    JXMIN         15  TIME INTERVAL IN MINUTES
                   JXDATE    28FEB91  STARTING DATE
                   JXTIME        100  STARTING TIME

            SUBBASIN RUNOFF DATA

414 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .26  SUBBASIN AREA
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HYDROGRAPH AT STATION 4DCHAB

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DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	0.	28 FEB 1330	51	107.	28 FEB 1945	76	22.
28 FEB 0115	2	0.	28 FEB 0730	27	0.	28 FEB 1345	52	78.	28 FEB 2000	77	22.
28 FEB 0130	3	0.	28 FEB 0745	28	0.	28 FEB 1400	53	51.	28 FEB 2015	78	22.
28 FEB 0145	4	0.	28 FEB 0800	29	0.	28 FEB 1415	54	38.	28 FEB 2030	79	21.
28 FEB 0200	5	0.	28 FEB 0815	30	0.	28 FEB 1430	55	31.	28 FEB 2045	80	21.
28 FEB 0215	6	0.	28 FEB 0830	31	0.	28 FEB 1445	56	28.	28 FEB 2100	81	21.
28 FEB 0230	7	0.	28 FEB 0845	32	0.	28 FEB 1500	57	26.	28 FEB 2115	82	21.
28 FEB 0245	8	0.	28 FEB 0900	33	0.	28 FEB 1515	58	24.	28 FEB 2130	83	21.
28 FEB 0300	9	0.	28 FEB 0915	34	0.	28 FEB 1530	59	24.	28 FEB 2145	84	21.
28 FEB 0315	10	0.	28 FEB 0930	35	0.	28 FEB 1545	60	23.	28 FEB 2200	85	21.
28 FEB 0330	11	0.	28 FEB 0945	36	1.	28 FEB 1600	61	23.	28 FEB 2215	86	21.
28 FEB 0345	12	0.	28 FEB 1000	37	1.	28 FEB 1615	62	23.	28 FEB 2230	87	21.
28 FEB 0400	13	0.	28 FEB 1015	38	1.	28 FEB 1630	63	23.	28 FEB 2245	88	21.
28 FEB 0415	14	0.	28 FEB 1030	39	2.	28 FEB 1645	64	23.	28 FEB 2300	89	21.
28 FEB 0430	15	0.	28 FEB 1045	40	2.	28 FEB 1700	65	23.	28 FEB 2315	90	21.
28 FEB 0445	16	0.	28 FEB 1100	41	2.	28 FEB 1715	66	23.	28 FEB 2330	91	20.
28 FEB 0500	17	0.	28 FEB 1115	42	3.	28 FEB 1730	67	23.	28 FEB 2345	92	20.
28 FEB 0515	18	0.	28 FEB 1130	43	4.	28 FEB 1745	68	23.	1 MAR 0000	93	20.

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  28 FEB 0530   19        0.   *  28 FEB 1145   44        5.   *  28 FEB 1800   69       23.   *  1 MAR 0015   94       20.
  28 FEB 0545   20        0.   *  28 FEB 1200   45        6.   *  28 FEB 1815   70       23.   *  1 MAR 0030   95       20.
  28 FEB 0600   21        0.   *  28 FEB 1215   46        8.   *  28 FEB 1830   71       23.   *  1 MAR 0045   96       20.
  28 FEB 0615   22        0.   *  28 FEB 1230   47       10.   *  28 FEB 1845   72       23.   *  1 MAR 0100   97       19.
  28 FEB 0630   23        0.   *  28 FEB 1245   48       15.   *  28 FEB 1900   73       23.   *
  28 FEB 0645   24        0.   *  28 FEB 1300   49       30.   *  28 FEB 1915   74       23.   *
  28 FEB 0700   25        0.   *  28 FEB 1315   50       78.   *  28 FEB 1930   75       22.   *
                               *                               *                               *
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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+    107.     12.50                  34.         14.         14.          14.
                       (INCHES)    1.212       2.078       2.078        2.078
                        (AC-FT)     17.         29.         29.          29.

                        CUMULATIVE AREA =     .26 SQ MI


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           **************
           *            *
 425 KK    *    HB1AN   *
           *            *
           **************

 ~6 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 428 BA         SUBBASIN CHARACTERISTICS
                      TAREA         .01  SUBBASIN AREA

                PRECIPITATION DATA

 429 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.40   3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .01

 430 LS         SCS LOSS RATE
                      STRTL         .47  INITIAL ABSTRACTION
                     CRVNBR       81.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

 431 UD         SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .28  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                    UNIT HYDROGRAPH
                                                 8 END-OF-PERIOD ORDINATES
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7. 9. 3. 1. 0. 0. 0. 0.

HYDROGRAPH AT STATION HB1AN

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.28	1.02	11.
28 FEB 0115	2	.01	.01	.00	0.	28 FEB 1330	51	.31	.05	.26	12.
28 FEB 0130	3	.01	.01	.00	0.	28 FEB 1345	52	.18	.03	.15	7.
28 FEB 0145	4	.01	.01	.00	0.	28 FEB 1400	53	.14	.02	.12	5.
28 FEB 0200	5	.01	.01	.00	0.	28 FEB 1415	54	.11	.01	.10	3.
28 FEB 0215	6	.01	.01	.00	0.	28 FEB 1430	55	.10	.01	.08	2.
28 FEB 0230	7	.01	.01	.00	0.	28 FEB 1445	56	.08	.01	.07	2.
28 FEB 0245	8	.01	.01	.00	0.	28 FEB 1500	57	.08	.01	.07	2.
28 FEB 0300	9	.01	.01	.00	0.	28 FEB 1515	58	.07	.01	.06	1.
28 FEB 0315	10	.01	.01	.00	0.	28 FEB 1530	59	.06	.01	.06	1.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.06	.01	.05	1.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.01	.05	1.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.01	.05	1.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.01	.04	1.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	28 FEB 1845	72	.04	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.02	.00	.02	0.
28 FEB 0730	27	.03	.03	.00	0.	28 FEB 1945	76	.02	.00	.02	0.
28 FEB 0745	28	.04	.04	.00	0.	28 FEB 2000	77	.02	.00	.02	0.
28 FEB 0800	29	.04	.04	.00	0.	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.04	.00	0.	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.04	.00	0.	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.04	.01	0.	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.04	.01	0.	28 FEB 2115	82	.02	.00	.02	0.
28 FEB 0915	34	.04	.04	.01	0.	28 FEB 2130	83	.02	.00	.02	0.
28 FEB 0930	35	.05	.04	.01	0.	28 FEB 2145	84	.02	.00	.02	0.
28 FEB 0945	36	.05	.04	.01	0.	28 FEB 2200	85	.02	.00	.01	0.
28 FEB 1000	37	.05	.04	.01	0.	28 FEB 2215	86	.02	.00	.01	0.
28 FEB 1015	38	.05	.04	.02	0.	28 FEB 2230	87	.02	.00	.01	0.
28 FEB 1030	39	.06	.04	.02	0.	28 FEB 2245	88	.02	.00	.01	0.
28 FEB 1045	40	.06	.04	.02	0.	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.04	.03	0.	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.04	.03	1.	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.04	.03	1.	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.05	.04	1.	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.05	.05	1.	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.06	.07	1.	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.07	.09	1.	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.10	.15	2.	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.17	.37	4.						

TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.12, TOTAL EXCESS = 3.88

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR

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+  (CFS)      (HR)
                        (CFS)
+     12.     12.50                  3.         1.         1.         1.
                      (INCHES)    3.103      3.865      3.865      3.865
                       (AC-FT)       1.         2.         2.         2.

                       CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
 435 KK   *    PXDPR   *
          *            *
          **************

 436 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            ROUTING OF NW WOBURN & WILMINGTON THROUGH PX DEPRESSED AREA

             HYDROGRAPH ROUTING DATA

 438 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      67.40  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

 439 SA            AREA          .0        .3        .7        .9        .9

 440 SE        ELEVATION      68.00     69.00     70.00     71.00     72.40

 441 SL        LOW-LEVEL OUTLET
                    ELEVL      68.90  ELEVATION AT CENTER OF OUTLET
                    CAREA       7.07  CROSS-SECTIONAL AREA
                     COQL        .60  COEFFICIENT
                     EXPL        .50  EXPONENT OF HEAD

 442 SS        SPILLWAY
                     CREL      72.30  SPILLWAY CREST ELEVATION
                    SPWID      30.00  SPILLWAY WIDTH
                     COQW       3.00  WEIR COEFFICIENT
                     EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .10       .59      1.41      2.72
        ELEVATION      68.00     69.00     70.00     71.00     72.40

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00     40.27     42.44     44.86     47.57     50.63     54.11     58.10     62.73
        ELEVATION      68.00     68.90     70.30     70.46     70.64     70.86     71.11     71.43     71.82     72.30

          OUTFLOW      62.88     63.01     63.18     63.41     63.71     64.09     64.54     65.09     65.74     66.49
        ELEVATION      72.31     72.31     72.32     72.33     72.34     72.35     72.36     72.37     72.38     72.40
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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.07	.10	.59	.81	.94	1.09	1.28	1.41	1.52
OUTFLOW	.00	.00	10.76	35.68	40.27	42.44	44.86	47.57	49.30	50.63
ELEVATION	68.00	68.90	69.00	70.00	70.30	70.46	70.64	70.86	71.00	71.11
STORAGE	1.82	2.18	2.63	2.64	2.66	2.67	2.68	2.70	2.71	2.72
OUTFLOW	54.11	58.10	62.73	63.01	63.41	64.09	64.54	65.09	65.74	66.49
ELEVATION	71.43	71.82	72.30	72.31	72.33	72.35	72.36	72.37	72.38	72.40

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 11.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION PXDPR

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	68.0	28	FEB	0915	34	0.	.0	68.1	28	FEB	1730	67	24.	.4	69.5
28	FEB	0115	2	0.	.0	68.0	28	FEB	0930	35	0.	.0	68.1	28	FEB	1745	68	24.	.4	69.5
28	FEB	0130	3	0.	.0	68.0	28	FEB	0945	36	0.	.0	68.3	28	FEB	1800	69	24.	.4	69.5
28	FEB	0145	4	0.	.0	68.0	28	FEB	1000	37	0.	.1	68.6	28	FEB	1815	70	24.	.4	69.5
28	FEB	0200	5	0.	.0	68.0	28	FEB	1015	38	0.	.1	68.9	28	FEB	1830	71	24.	.4	69.5
28	FEB	0215	6	0.	.0	68.0	28	FEB	1030	39	3.	.1	68.9	28	FEB	1845	72	24.	.4	69.5
28	FEB	0230	7	0.	.0	68.0	28	FEB	1045	40	2.	.1	68.9	28	FEB	1900	73	24.	.4	69.5
28	FEB	0245	8	0.	.0	68.0	28	FEB	1100	41	3.	.1	68.9	28	FEB	1915	74	24.	.4	69.5
28	FEB	0300	9	0.	.0	68.0	28	FEB	1115	42	3.	.1	68.9	28	FEB	1930	75	23.	.3	69
28	FEB	0315	10	0.	.0	68.0	28	FEB	1130	43	5.	.1	68.9	28	FEB	1945	76	23.	.3	6[illegible]
28	FEB	0330	11	0.	.0	68.0	28	FEB	1145	44	6.	.1	69.0	28	FEB	2000	77	22.	.3	69
28	FEB	0345	12	0.	.0	68.0	28	FEB	1200	45	7.	.1	69.0	28	FEB	2015	78	22.	.3	69.[illegible]
28	FEB	0400	13	0.	.0	68.0	28	FEB	1215	46	9.	.1	69.0	28	FEB	2030	79	22.	.3	69.5
28	FEB	0415	14	0.	.0	68.0	28	FEB	1230	47	11.	.1	69.0	28	FEB	2045	80	22.	.3	69.4
28	FEB	0430	15	0.	.0	68.0	28	FEB	1245	48	13.	.1	69.1	28	FEB	2100	81	21.	.3	69.4
28	FEB	0445	16	0.	.0	68.0	28	FEB	1300	49	22.	.3	69.4	28	FEB	2115	82	21.	.3	69.4
28	FEB	0500	17	0.	.0	68.0	28	FEB	1315	50	42.	.9	70.4	28	FEB	2130	83	21.	.3	69.4
28	FEB	0515	18	0.	.0	68.0	28	FEB	1330	51	57.	2.0	71.7	28	FEB	2145	84	21.	.3	69.4
28	FEB	0530	19	0.	.0	68.0	28	FEB	1345	52	72.	2.8	72.5	28	FEB	2200	85	21.	.3	69.4
28	FEB	0545	20	0.	.0	68.0	28	FEB	1400	53	71.	2.8	72.5	28	FEB	2215	86	21.	.3	69.4
28	FEB	0600	21	0.	.0	68.0	28	FEB	1415	54	61.	2.4	72.1	28	FEB	2230	87	21.	.3	69.4
28	FEB	0615	22	0.	.0	68.0	28	FEB	1430	55	56.	2.0	71.6	28	FEB	2245	88	21.	.3	69.4
28	FEB	0630	23	0.	.0	68.0	28	FEB	1445	56	51.	1.5	71.1	28	FEB	2300	89	21.	.3	69.4
28	FEB	0645	24	0.	.0	68.0	28	FEB	1500	57	46.	1.1	70.7	28	FEB	2315	90	21.	.3	69.4
28	FEB	0700	25	0.	.0	68.0	28	FEB	1515	58	40.	.8	70.3	28	FEB	2330	91	21.	.3	69.4
28	FEB	0715	26	0.	.0	68.0	28	FEB	1530	59	34.	.6	69.9	28	FEB	2345	92	20.	.3	69.4
28	FEB	0730	27	0.	.0	68.0	28	FEB	1545	60	28.	.4	69.7	1	MAR	0000	93	20.	.3	69.4
28	FEB	0745	28	0.	.0	68.0	28	FEB	1600	61	25.	.4	69.6	1	MAR	0015	94	20.	.3	69.4
28	FEB	0800	29	0.	.0	68.0	28	FEB	1615	62	24.	.4	69.5	1	MAR	0030	95	20.	.3	69.4
28	FEB	0815	30	0.	.0	68.0	28	FEB	1630	63	24.	.4	69.5	1	MAR	0045	96	20.	.3	69.4
28	FEB	0830	31	0.	.0	68.0	28	FEB	1645	64	24.	.4	69.5	1	MAR	0100	97	20.	.3	69.4
28	FEB	0845	32	0.	.0	68.0	28	FEB	1700	65	24.	.4	69.5							
28	FEB	0900	33	0.	.0	68.1	28	FEB	1715	66	24.	.4	69.5							

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 72.	12.75		36.	15.	15.	15.
		(INCHES)	1.260	2.112	2.112	2.112
		(AC-FT)	18.	30.	30.	30.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
3.	12.75	1.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.00-HR
72.51	12.75	70.27	69.06	69.06	69.06

CUMULATIVE AREA = .27 SQ MI

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          *            *
443 KK    *     4ECHL  *
          *            *
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444 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                              DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON

  6 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN         15  TIME INTERVAL IN MINUTES
                     JXDATE    28FEB91  STARTING DATE
                     JXTIME        100  STARTING TIME

              SUBBASIN RUNOFF DATA

446 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .30  SUBBASIN AREA
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HYDROGRAPH AT STATION 4ECHL

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DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	0.	28 FEB 1330	51	75.	28 FEB 1945	76	15.
28 FEB 0115	2	0.	28 FEB 0730	27	0.	28 FEB 1345	52	75.	28 FEB 2000	77	14.
28 FEB 0130	3	0.	28 FEB 0745	28	0.	28 FEB 1400	53	75.	28 FEB 2015	78	14.
28 FEB 0145	4	0.	28 FEB 0800	29	0.	28 FEB 1415	54	75.	28 FEB 2030	79	13.
28 FEB 0200	5	0.	28 FEB 0815	30	0.	28 FEB 1430	55	75.	28 FEB 2045	80	13.
28 FEB 0215	6	0.	28 FEB 0830	31	0.	28 FEB 1445	56	75.	28 FEB 2100	81	12.
28 FEB 0230	7	0.	28 FEB 0845	32	0.	28 FEB 1500	57	75.	28 FEB 2115	82	12.
28 FEB 0245	8	0.	28 FEB 0900	33	0.	28 FEB 1515	58	75.	28 FEB 2130	83	12.
28 FEB 0300	9	0.	28 FEB 0915	34	0.	28 FEB 1530	59	75.	28 FEB 2145	84	11.
28 FEB 0315	10	0.	28 FEB 0930	35	1.	28 FEB 1545	60	75.	28 FEB 2200	85	11.
28 FEB 0330	11	0.	28 FEB 0945	36	3.	28 FEB 1600	61	75.	28 FEB 2215	86	11.
28 FEB 0345	12	0.	28 FEB 1000	37	4.	28 FEB 1615	62	75.	28 FEB 2230	87	11.
28 FEB 0400	13	0.	28 FEB 1015	38	5.	28 FEB 1630	63	70.	28 FEB 2245	88	11.
28 FEB 0415	14	0.	28 FEB 1030	39	6.	28 FEB 1645	64	57.	28 FEB 2300	89	10.
28 FEB 0430	15	0.	28 FEB 1045	40	8.	28 FEB 1700	65	44.	28 FEB 2315	90	10.

28 FEB 0445	16	0.	*	28 FEB 1100	41	10.	*	28 FEB 1715	66	31.	*	28 FEB 2330	91	10.
28 FEB 0500	17	0.	*	28 FEB 1115	42	12.	*	28 FEB 1730	67	29.	*	28 FEB 2345	92	10.
28 FEB 0515	18	0.	*	28 FEB 1130	43	14.	*	28 FEB 1745	68	28.	*	1 MAR 0000	93	10.
28 FEB 0530	19	0.	*	28 FEB 1145	44	18.	*	28 FEB 1800	69	27.	*	1 MAR 0015	94	9.
28 FEB 0545	20	0.	*	28 FEB 1200	45	22.	*	28 FEB 1815	70	26.	*	1 MAR 0030	95	9
28 FEB 0600	21	0.	*	28 FEB 1215	46	28.	*	28 FEB 1830	71	25.	*	1 MAR 0045	96	9.
28 FEB 0615	22	0.	*	28 FEB 1230	47	37.	*	28 FEB 1845	72	24.	*	1 MAR 0100	97	9.
28 FEB 0630	23	0.	*	28 FEB 1245	48	48.	*	28 FEB 1900	73	23.	*			
28 FEB 0645	24	0.	*	28 FEB 1300	49	69.	*	28 FEB 1915	74	21.	*			
28 FEB 0700	25	0.	*	28 FEB 1315	50	75.	*	28 FEB 1930	75	18.	*			
			*				*				*			

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 75.	12.25		60.	20.	20.	20.
		(INCHES)	1.862	2.485	2.485	2.485
		(AC-FT)	30.	40.	40.	40.

CUMULATIVE AREA = .30 SQ MI

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          **************
          *            *
457 KK    *     HB18   *
          *            *
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458 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

460 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .02  SUBBASIN AREA

              PRECIPITATION DATA

461 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......  ............... TP-40 ..............  ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .60    1.30    2.40   3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                STORM AREA =     .02

462 LS        SCS LOSS RATE
                    STRTL        .38  INITIAL ABSTRACTION
                   CRVNBR      84.00  CURVE NUMBER
                    RTIMP        .00  PERCENT IMPERVIOUS AREA

463 UD        SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .31  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG
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UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES

14. 23. 10. 4. 2. 1. 0. 0.

HYDROGRAPH AT STATION HB1B

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	28	FEB	1315	50	1.30	.22	1.08	27.
28	FEB	0115	2	.01	.01	.00	0.	28	FEB	1330	51	.31	.04	.27	34.
28	FEB	0130	3	.01	.01	.00	0.	28	FEB	1345	52	.18	.02	.16	22.
28	FEB	0145	4	.01	.01	.00	0.	28	FEB	1400	53	.14	.01	.12	14.
28	FEB	0200	5	.01	.01	.00	0.	28	FEB	1415	54	.11	.01	.10	9.
28	FEB	0215	6	.01	.01	.00	0.	28	FEB	1430	55	.10	.01	.09	7.
28	FEB	0230	7	.01	.01	.00	0.	28	FEB	1445	56	.08	.01	.08	5.
28	FEB	0245	8	.01	.01	.00	0.	28	FEB	1500	57	.08	.01	.07	5.
28	FEB	0300	9	.01	.01	.00	0.	28	FEB	1515	58	.07	.01	.06	4.
28	FEB	0315	10	.01	.01	.00	0.	28	FEB	1530	59	.06	.01	.06	4.
28	FEB	0330	11	.02	.02	.00	0.	28	FEB	1545	60	.06	.01	.05	3.
28	FEB	0345	12	.02	.02	.00	0.	28	FEB	1600	61	.06	.00	.05	3.
28	FEB	0400	13	.02	.02	.00	0.	28	FEB	1615	62	.05	.00	.05	3.
28	FEB	0415	14	.02	.02	.00	0.	28	FEB	1630	63	.05	.00	.05	3.
28	FEB	0430	15	.02	.02	.00	0.	28	FEB	1645	64	.05	.00	.04	3.
28	FEB	0445	16	.02	.02	.00	0.	28	FEB	1700	65	.05	.00	.04	2.
28	FEB	0500	17	.02	.02	.00	0.	28	FEB	1715	66	.04	.00	.04	2.
28	FEB	0515	18	.02	.02	.00	0.	28	FEB	1730	67	.04	.00	.04	2.
28	FEB	0530	19	.02	.02	.00	0.	28	FEB	1745	68	.04	.00	.04	2.
28	FEB	0545	20	.02	.02	.00	0.	28	FEB	1800	69	.04	.00	.04	2.
28	FEB	0600	21	.02	.02	.00	0.	28	FEB	1815	70	.04	.00	.03	2.
28	FEB	0615	22	.02	.02	.00	0.	28	FEB	1830	71	.04	.00	.03	2.
28	FEB	0630	23	.02	.02	.00	0.	28	FEB	1845	72	.04	.00	.03	2.
28	FEB	0645	24	.02	.02	.00	0.	28	FEB	1900	73	.03	.00	.03	2.
28	FEB	0700	25	.02	.02	.00	0.	28	FEB	1915	74	.02	.00	.02	2.
28	FEB	0715	26	.03	.03	.00	0.	28	FEB	1930	75	.02	.00	.02	1.
28	FEB	0730	27	.03	.03	.00	0.	28	FEB	1945	76	.02	.00	.02	1.
28	FEB	0745	28	.04	.03	.00	0.	28	FEB	2000	77	.02	.00	.02	1.
28	FEB	0800	29	.04	.03	.00	0.	28	FEB	2015	78	.02	.00	.02	1.
28	FEB	0815	30	.04	.03	.01	0.	28	FEB	2030	79	.02	.00	.02	1.
28	FEB	0830	31	.04	.03	.01	0.	28	FEB	2045	80	.02	.00	.02	1.
28	FEB	0845	32	.04	.03	.01	0.	28	FEB	2100	81	.02	.00	.02	1.
28	FEB	0900	33	.04	.03	.01	0.	28	FEB	2115	82	.02	.00	.02	1.
28	FEB	0915	34	.04	.03	.01	1.	28	FEB	2130	83	.02	.00	.02	1.
28	FEB	0930	35	.05	.03	.01	1.	28	FEB	2145	84	.02	.00	.02	1.
28	FEB	0945	36	.05	.03	.02	1.	28	FEB	2200	85	.02	.00	.02	1.
28	FEB	1000	37	.05	.03	.02	1.	28	FEB	2215	86	.02	.00	.02	1.
28	FEB	1015	38	.05	.03	.02	1.	28	FEB	2230	87	.02	.00	.01	1.
28	FEB	1030	39	.06	.03	.02	1.	28	FEB	2245	88	.02	.00	.01	1.
28	FEB	1045	40	.06	.03	.03	1.	28	FEB	2300	89	.02	.00	.01	1.
28	FEB	1100	41	.07	.04	.03	1.	28	FEB	2315	90	.01	.00	.01	1.
28	FEB	1115	42	.07	.04	.04	2.	28	FEB	2330	91	.01	.00	.01	1.
28	FEB	1130	43	.08	.04	.04	2.	28	FEB	2345	92	.01	.00	.01	1.
28	FEB	1145	44	.09	.04	.05	2.	1	MAR	0000	93	.01	.00	.01	1.
28	FEB	1200	45	.10	.04	.06	3.	1	MAR	0015	94	.01	.00	.01	1.
28	FEB	1215	46	.13	.05	.08	3.	1	MAR	0030	95	.01	.00	.01	1.
28	FEB	1230	47	.16	.06	.10	4.	1	MAR	0045	96	.01	.00	.01	1.
28	FEB	1245	48	.25	.08	.17	6.	1	MAR	0100	97	.01	.00	.01	1.
28	FEB	1300	49	.54	.14	.40	11.								

TOTAL RAINFALL = 6.00, TOTAL LOSS = 1.80, TOTAL EXCESS = 4.20

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     34.     12.50                   8.          2.          2.          2.
                       (INCHES)     3.322       4.175       4.175       4.175
                        (AC-FT)       4.          5.          5.          5.

                        CUMULATIVE AREA =     .02 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          ***************
          *             *
467 KK    *    EWCLPX   *
          *             *
          ***************

468 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               CHANNEL ROUTING THROUGH E/W CHANNEL AT PX REALTY

             HYDROGRAPH ROUTING DATA

470 RS          STORAGE ROUTING
                      NSTPS           1  NUMBER OF SUBREACHES
                       ITYP        STOR  TYPE OF INITIAL CONDITION
                     RSVRIC         .00  INITIAL CONDITION
                          X         .00 WORKING R AND D COEFFICIENT

471 RC          NORMAL DEPTH CHANNEL ROUTING
                        ANL        .080  LEFT OVERBANK N-VALUE
                       ANCH        .030  MAIN CHANNEL N-VALUE
                        ANR        .080  RIGHT OVERBANK N-VALUE
                      RLNTH        250.  REACH LENGTH
                        SEL       .0032  ENERGY SLOPE
                      ELMAX        70.5  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                        CROSS-SECTION DATA
                          --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
473 RY        ELEVATION     72.00     71.00     70.00     64.40     64.40     70.00     70.20     70.50
472 RX        DISTANCE        .00      5.00     10.00     16.00     22.00     28.00     38.00     48.00

                                                          ***

                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00       .01       .02       .04       .05       .07       .09       .11       .13       .15
          OUTFLOW        .00      2.53      8.05     15.95     26.08     38.39     52.88     69.60     88.60    109.93
        ELEVATION      64.40     64.72     65.04     65.36     65.68     66.01     66.33     66.65     66.97     67.29

          STORAGE        .17       .20       .22       .25       .28       .31       .34       .37       .41       .47
          OUTFLOW     133.66    159.86    188.59    219.93    253.95    290.73    330.32    372.81    424.60    486.74
        ELEVATION      67.61     67.93     68.25     68.57     68.89     69.22     69.54     69.86     70.18     70.50

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO      487.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)
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HYDROGRAPH AT STATION EWCLPX

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	64.4	28	FEB	0915	34	1.	.0	64.5	28	FEB	1730	67	31.	.1	65.8
28	FEB	0115	2	0.	.0	64.4	28	FEB	0930	35	1.	.0	64.6	28	FEB	1745	68	31.	.1	65.8
28	FEB	0130	3	0.	.0	64.4	28	FEB	0945	36	3.	.0	64.8	28	FEB	1800	69	29.	.1	65.8
28	FEB	0145	4	0.	.0	64.4	28	FEB	1000	37	5.	.0	64.9	28	FEB	1815	70	28.	.1	65.7
28	FEB	0200	5	0.	.0	64.4	28	FEB	1015	38	6.	.0	64.9	28	FEB	1830	71	27.	.1	65.7
28	FEB	0215	6	0.	.0	64.4	28	FEB	1030	39	7.	.0	65.0	28	FEB	1845	72	26.	.1	65.7
28	FEB	0230	7	0.	.0	64.4	28	FEB	1045	40	9.	.0	65.1	28	FEB	1900	73	25.	.1	65.6
28	FEB	0245	8	0.	.0	64.4	28	FEB	1100	41	11.	.0	65.2	28	FEB	1915	74	23.	.0	65.6
28	FEB	0300	9	0.	.0	64.4	28	FEB	1115	42	13.	.0	65.3	28	FEB	1930	75	20.	.0	65.5
28	FEB	0315	10	0.	.0	64.4	28	FEB	1130	43	16.	.0	65.4	28	FEB	1945	76	16.	.0	65.4
28	FEB	0330	11	0.	.0	64.4	28	FEB	1145	44	20.	.0	65.5	28	FEB	2000	77	15.	.0	65.3
28	FEB	0345	12	0.	.0	64.4	28	FEB	1200	45	24.	.1	65.6	28	FEB	2015	78	15.	.0	65.3
28	FEB	0400	13	0.	.0	64.4	28	FEB	1215	46	31.	.1	65.8	28	FEB	2030	79	14.	.0	65.3
28	FEB	0415	14	0.	.0	64.4	28	FEB	1230	47	40.	.1	66.1	28	FEB	2045	80	14.	.0	65.3
28	FEB	0430	15	0.	.0	64.4	28	FEB	1245	48	53.	.1	66.3	28	FEB	2100	81	13.	.0	65.2
28	FEB	0445	16	0.	.0	64.4	28	FEB	1300	49	78.	.1	66.8	28	FEB	2115	82	13.	.0	65.2
28	FEB	0500	17	0.	.0	64.4	28	FEB	1315	50	102.	.1	67.2	28	FEB	2130	83	13.	.0	65.2
28	FEB	0515	18	0.	.0	64.4	28	FEB	1330	51	108.	.1	67.3	28	FEB	2145	84	12.	.0	65.2
28	FEB	0530	19	0.	.0	64.4	28	FEB	1345	52	98.	.1	67.1	28	FEB	2200	85	12.	.0	65.2
28	FEB	0545	20	0.	.0	64.4	28	FEB	1400	53	88.	.1	67.0	28	FEB	2215	86	12.	.0	65.2
28	FEB	0600	21	0.	.0	64.4	28	FEB	1415	54	85.	.1	66.9	28	FEB	2230	87	12.	.0	65.2
28	FEB	0615	22	0.	.0	64.4	28	FEB	1430	55	81.	.1	66.8	28	FEB	2245	88	12.	.0	65.2
28	FEB	0630	23	0.	.0	64.4	28	FEB	1445	56	81.	.1	66.8	28	FEB	2300	89	11.	.0	65.2
	FEB	0645	24	0.	.0	64.4	28	FEB	1500	57	79.	.1	66.8	28	FEB	2315	90	11.	.0	65.1
	FEB	0700	25	0.	.0	64.4	28	FEB	1515	58	79.	.1	66.8	28	FEB	2330	91	11.	.0	65.2
28	FEB	0715	26	0.	.0	64.4	28	FEB	1530	59	78.	.1	66.8	28	FEB	2345	92	11.	.0	65.1
28	FEB	0730	27	0.	.0	64.4	28	FEB	1545	60	78.	.1	66.8	1	MAR	0000	93	11.	.0	65.2
28	FEB	0745	28	0.	.0	64.4	28	FEB	1600	61	78.	.1	66.8	1	MAR	0015	94	10.	.0	65.1
28	FEB	0800	29	0.	.0	64.4	28	FEB	1615	62	78.	.1	66.8	1	MAR	0030	95	10.	.0	65.1
28	FEB	0815	30	0.	.0	64.4	28	FEB	1630	63	73.	.1	66.7	1	MAR	0045	96	10.	.0	65.1
28	FEB	0830	31	0.	.0	64.4	28	FEB	1645	64	61.	.1	66.5	1	MAR	0100	97	10.	.0	65.1
28	FEB	0845	32	0.	.0	64.4	28	FEB	1700	65	47.	.1	66.2							
28	FEB	0900	33	0.	.0	64.5	28	FEB	1715	66	34.	.1	65.9							

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
108.	12.50		68.	22.	22.	22.
		(INCHES)	1.956	2.594	2.594	2.594
		(AC-FT)	33.	44.	44.	44.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
0.	12.50	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.00-HR
67.27	12.50	66.56	65.28	65.28	65.28

CUMULATIVE AREA = .32 SQ MI

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          *            *
474 KK    *     HB1AS  *
          *            *
          **************

475 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE


             SUBBASIN RUNOFF DATA

477 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .01  SUBBASIN AREA

                PRECIPITATION DATA

478 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.40   3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                   STORM AREA =     .01

479 LS          SCS LOSS RATE
                      STRTL        .22  INITIAL ABSTRACTION
                     CRVNBR      90.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

480 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .47  LAG
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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
11 END-OF-PERIOD ORDINATES

2.	5.	4.	2.	1.	1.	0.	0.	0.	0.
0.									

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HYDROGRAPH AT STATION HB1AS

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.10	1.20	6.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.02	.29	9.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.01	.17	8.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.01	.13	6.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.00	.11	4.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.00	.09	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.00	.08	2.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.00	.07	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.00	.07	1.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.00	.06	1.

28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.00	.06	1.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.05	1.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	1.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	1.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.05	1.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.04	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.04	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.01	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.02	.01	0.	*	28 FEB 1930	75	.02	.00	.02	0.
28 FEB 0730	27	.03	.02	.01	0.	*	28 FEB 1945	76	.02	.00	.02	0.
28 FEB 0745	28	.04	.02	.01	0.	*	28 FEB 2000	77	.02	.00	.02	0.
28 FEB 0800	29	.04	.02	.01	0.	*	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.02	.02	0.	*	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.02	.02	0.	*	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.02	.02	0.	*	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.02	.02	0.	*	28 FEB 2115	82	.02	.00	.02	0.
28 FEB 0915	34	.04	.02	.02	0.	*	28 FEB 2130	83	.02	.00	.02	0.
28 FEB 0930	35	.05	.02	.03	0.	*	28 FEB 2145	84	.02	.00	.02	0.
28 FEB 0945	36	.05	.02	.03	0.	*	28 FEB 2200	85	.02	.00	.02	0.
28 FEB 1000	37	.05	.02	.03	0.	*	28 FEB 2215	86	.02	.00	.02	0.
28 FEB 1015	38	.05	.02	.03	0.	*	28 FEB 2230	87	.02	.00	.02	0.
28 FEB 1030	39	.06	.02	.04	0.	*	28 FEB 2245	88	.02	.00	.02	0.
28 FEB 1045	40	.06	.02	.04	1.	*	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.02	.05	1.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.02	.05	1.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.02	.06	1.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.02	.07	1.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.02	.08	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.03	.10	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.03	.13	1.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.04	.21	2.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.07	.47	3.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 1.15, TOTAL EXCESS = 4.85

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 9.	12.50		2.	1.	1.	1.
		(INCHES)	3.739	4.812	4.812	4.812
		(AC-FT)	1.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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              **************
              *            *
.d4 KK        *     HB1CH  *
              *            *
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485 KO        OUTPUT CONTROL VARIABLES
                   IPRNT          1  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL         0.  HYDROGRAPH PLOT SCALE
                          STORAGE ROUTING THROUGH N/S CHANNEL at PX REALTY

            HYDROGRAPH ROUTING DATA

487 RS        STORAGE ROUTING
                   NSTPS          1  NUMBER OF SUBREACHES
                    ITYP       ELEV  TYPE OF INITIAL CONDITION
                  RSVRIC      66.40  INITIAL CONDITION
                       X        .00 WORKING R AND D COEFFICIENT

488 SA            AREA         .0       .0       .0       .0       .0       .1       .1

489 SE        ELEVATION      66.40    66.50    67.00    67.50    68.00    69.00    69.40

490 SL        LOW-LEVEL OUTLET
                   ELEVL      59.65  ELEVATION AT CENTER OF OUTLET
                   CAREA       7.07  CROSS-SECTIONAL AREA
                    COQL        .60  COEFFICIENT
                    EXPL        .50  EXPONENT OF HEAD

491 SS        SPILLWAY
                    CREL      69.30  SPILLWAY CREST ELEVATION
                   SPWID        .00  SPILLWAY WIDTH
                    COQW        .00  WEIR COEFFICIENT
                    EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00      .00      .01      .02      .04      .09      .12
        ELEVATION     66.40    66.50    67.00    67.50    68.00    69.00    69.40

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00    90.03    91.72    93.49    95.32    97.23    99.21   101.28   103.44   105.68
        ELEVATION     66.40    66.65    66.92    67.20    67.50    67.82    68.15    68.51    68.89    69.30


                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      .00      .00      .01      .01      .01      .02      .03      .04      .05
          OUTFLOW     88.39    89.04    90.03    91.72    92.23    93.49    95.32    97.23    98.31    99.21
        ELEVATION     66.40    66.50    66.65    66.92    67.00    67.20    67.50    67.82    68.00    68.15

          STORAGE       .06      .09      .09      .11      .12
          OUTFLOW    101.28   103.44   104.03   105.68   106.23
        ELEVATION     68.51    68.89    69.00    69.30    69.40

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN      88. TO      103.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

*****************************************************************************************************************************

                                        HYDROGRAPH AT STATION    HB1CH

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                                                  *                                                  *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                                  *                                                  *
 28 FEB 0100   1     88.       .0    66.4 * 28 FEB 0915  34      6.      -.1    66.4 * 28 FEB 1730  67      53.       .0    66.4
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28 FEB 0115	2	6.	-.1	66.4	*	28 FEB 0930	35	6.	-.1	66.4	*	28 FEB 1745	68	57.	.0	66.4
28 FEB 0130	3	6.	-.1	66.4	*	28 FEB 0945	36	6.	-.1	66.4	*	28 FEB 1800	69	52.	.0	66.4
28 FEB 0145	4	6.	-.1	66.4	*	28 FEB 1000	37	6.	-.1	66.4	*	28 FEB 1815	70	54.	.0	66.4
28 FEB 0200	5	6.	-.1	66.4	*	28 FEB 1015	38	6.	-.1	66.4	*	28 FEB 1830	71	50.	.0	66.4
FEB 0215	6	6.	-.1	66.4	*	28 FEB 1030	39	10.	-.1	66.4	*	28 FEB 1845	72	51.	.0	66.4
FEB 0230	7	6.	-.1	66.4	*	28 FEB 1045	40	12.	-.1	66.4	*	28 FEB 1900	73	48.	.0	66.4
28 FEB 0245	8	6.	-.1	66.4	*	28 FEB 1100	41	14.	-.1	66.4	*	28 FEB 1915	74	48.	.0	66.4
28 FEB 0300	9	6.	-.1	66.4	*	28 FEB 1115	42	17.	-.1	66.4	*	28 FEB 1930	75	43.	.0	66.4
28 FEB 0315	10	6.	-.1	66.4	*	28 FEB 1130	43	21.	-.1	66.4	*	28 FEB 1945	76	40.	.0	66.4
28 FEB 0330	11	6.	-.1	66.4	*	28 FEB 1145	44	26.	-.1	66.4	*	28 FEB 2000	77	38.	.0	66.4
28 FEB 0345	12	6.	-.1	66.4	*	28 FEB 1200	45	32.	.0	66.4	*	28 FEB 2015	78	38.	.0	66.4
28 FEB 0400	13	6.	-.1	66.4	*	28 FEB 1215	46	40.	.0	66.4	*	28 FEB 2030	79	36.	.0	66.4
28 FEB 0415	14	6.	-.1	66.4	*	28 FEB 1230	47	52.	.0	66.4	*	28 FEB 2045	80	36.	.0	66.4
28 FEB 0430	15	6.	-.1	66.4	*	28 FEB 1245	48	67.	.0	66.4	*	28 FEB 2100	81	35.	.0	66.4
28 FEB 0445	16	6.	-.1	66.4	*	28 FEB 1300	49	98.	.0	68.0	*	28 FEB 2115	82	35.	.0	66.4
28 FEB 0500	17	6.	-.1	66.4	*	28 FEB 1315	50	124.	.4	72.6	*	28 FEB 2130	83	35.	.0	66.4
28 FEB 0515	18	6.	-.1	66.4	*	28 FEB 1330	51	157.	.8	78.7	*	28 FEB 2145	84	34.	.0	66.4
28 FEB 0530	19	6.	-.1	66.4	*	28 FEB 1345	52	174.	1.0	81.8	*	28 FEB 2200	85	33.	.0	66.4
28 FEB 0545	20	6.	-.1	66.4	*	28 FEB 1400	53	172.	1.0	81.4	*	28 FEB 2215	86	34.	.0	66.4
28 FEB 0600	21	6.	-.1	66.4	*	28 FEB 1415	54	159.	.8	79.1	*	28 FEB 2230	87	33.	.0	66.4
28 FEB 0615	22	6.	-.1	66.4	*	28 FEB 1430	55	147.	.7	76.8	*	28 FEB 2245	88	33.	.0	66.4
28 FEB 0630	23	6.	-.1	66.4	*	28 FEB 1445	56	138.	.6	75.3	*	28 FEB 2300	89	32.	.0	66.4
28 FEB 0645	24	6.	-.1	66.4	*	28 FEB 1500	57	131.	.5	74.0	*	28 FEB 2315	90	32.	.0	66.4
28 FEB 0700	25	6.	-.1	66.4	*	28 FEB 1515	58	125.	.4	72.8	*	28 FEB 2330	91	32.	.0	66.4
28 FEB 0715	26	6.	-.1	66.4	*	28 FEB 1530	59	118.	.3	71.6	*	28 FEB 2345	92	31.	.0	66.4
28 FEB 0730	27	6.	-.1	66.4	*	28 FEB 1545	60	112.	.2	70.4	*	1 MAR 0000	93	31.	.0	66.4
28 FEB 0745	28	6.	-.1	66.4	*	28 FEB 1600	61	106.	.1	69.4	*	1 MAR 0015	94	30.	.0	66.4
28 FEB 0800	29	6.	-.1	66.4	*	28 FEB 1615	62	104.	.1	69.0	*	1 MAR 0030	95	30.	.0	66.4
28 FEB 0815	30	6.	-.1	66.4	*	28 FEB 1630	63	101.	.1	68.4	*	1 MAR 0045	96	30.	.0	66.4
28 FEB 0830	31	6.	-.1	66.4	*	28 FEB 1645	64	89.	.0	66.4	*	1 MAR 0100	97	30.	.0	66.4
28 FEB 0845	32	6.	-.1	66.4	*	28 FEB 1700	65	70.	.0	66.4	*					
28 FEB 0900	33	6.	-.1	66.4	*	28 FEB 1715	66	61.	.0	66.4	*					
					*						*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 174.	12.75		105.	41.	41.	41.
		(INCHES)	1.644	2.571	2.571	2.571
		(AC-FT)	52.	81.	81.	81.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	12.75	0.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
81.76	12.75	71.12	67.58	67.58	67.58

CUMULATIVE AREA = .59 SQ MI

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              *            *
492 KK        *   DIHBCH   *
              *            *
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493 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                              DIRECT INPUT OF HYDROGRAPH FROM HB1CH (MODIFIED PEAK)

  6 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN         15  TIME INTERVAL IN MINUTES
                     JXDATE     28FEB91  STARTING DATE
                     JXTIME        100  STARTING TIME

             SUBBASIN RUNOFF DATA

495 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .66  SUBBASIN AREA

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HYDROGRAPH AT STATION DIHBCH

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DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	6.	28 FEB 1330	51	110.	28 FEB 1945	76	40.
28 FEB 0115	2	6.	28 FEB 0730	27	6.	28 FEB 1345	52	110.	28 FEB 2000	77	38.
28 FEB 0130	3	6.	28 FEB 0745	28	6.	28 FEB 1400	53	110.	28 FEB 2015	78	38.
28 FEB 0145	4	6.	28 FEB 0800	29	6.	28 FEB 1415	54	110.	28 FEB 2030	79	36.
28 FEB 0200	5	6.	28 FEB 0815	30	6.	28 FEB 1430	55	110.	28 FEB 2045	80	36
28 FEB 0215	6	6.	28 FEB 0830	31	6.	28 FEB 1445	56	110.	28 FEB 2100	81	35.
28 FEB 0230	7	6.	28 FEB 0845	32	6.	28 FEB 1500	57	110.	28 FEB 2115	82	35.
28 FEB 0245	8	6.	28 FEB 0900	33	6.	28 FEB 1515	58	110.	28 FEB 2130	83	35.
28 FEB 0300	9	6.	28 FEB 0915	34	6.	28 FEB 1530	59	110.	28 FEB 2145	84	34.
28 FEB 0315	10	6.	28 FEB 0930	35	6.	28 FEB 1545	60	110.	28 FEB 2200	85	33.
28 FEB 0330	11	6.	28 FEB 0945	36	6.	28 FEB 1600	61	106.	28 FEB 2215	86	34.
28 FEB 0345	12	6.	28 FEB 1000	37	6.	28 FEB 1615	62	104.	28 FEB 2230	87	33.
28 FEB 0400	13	6.	28 FEB 1015	38	6.	28 FEB 1630	63	101.	28 FEB 2245	88	33.
28 FEB 0415	14	6.	28 FEB 1030	39	10.	28 FEB 1645	64	89.	28 FEB 2300	89	32.
28 FEB 0430	15	6.	28 FEB 1045	40	12.	28 FEB 1700	65	70.	28 FEB 2315	90	32.
28 FEB 0445	16	6.	28 FEB 1100	41	14.	28 FEB 1715	66	61.	28 FEB 2330	91	32.
28 FEB 0500	17	6.	28 FEB 1115	42	17.	28 FEB 1730	67	53.	28 FEB 2345	92	31.
28 FEB 0515	18	6.	28 FEB 1130	43	21.	28 FEB 1745	68	57.	1 MAR 0000	93	31.
28 FEB 0530	19	6.	28 FEB 1145	44	26.	28 FEB 1800	69	52.	1 MAR 0015	94	30.
28 FEB 0545	20	6.	28 FEB 1200	45	32.	28 FEB 1815	70	54.	1 MAR 0030	95	30.
28 FEB 0600	21	6.	28 FEB 1215	46	40.	28 FEB 1830	71	50.	1 MAR 0045	96	30.
28 FEB 0615	22	6.	28 FEB 1230	47	52.	28 FEB 1845	72	51.	1 MAR 0100	97	30.
28 FEB 0630	23	6.	28 FEB 1245	48	67.	28 FEB 1900	73	48.			
28 FEB 0645	24	6.	28 FEB 1300	49	98.	28 FEB 1915	74	48.			
28 FEB 0700	25	6.	28 FEB 1315	50	110.	28 FEB 1930	75	43.			

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 110.	12.25		91.	37.	37.	37.
		(INCHES)	1.275	2.073	2.073	2.073
		(AC-FT)	45.	73.	73.	73.

CUMULATIVE AREA = .66 SQ MI

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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

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          *            *
506 KK    *     HB2A   *
          *            *
          **************

507 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

509 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .02  SUBBASIN AREA

              PRECIPITATION DATA

510 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .60    1.30    2.40   3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                  STORM AREA =     .02

511 LS        SCS LOSS RATE
                    STRTL        .33  INITIAL ABSTRACTION
                   CRVNBR      86.00  CURVE NUMBER
                    RTIMP        .00  PERCENT IMPERVIOUS AREA

512 UD        SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .41  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              10 END-OF-PERIOD ORDINATES
              8.       18.       14.        6.        3.        1.        1.        0.        0.        0.

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                                                HYDROGRAPH AT STATION     HB2A

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                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.30     .17    1.13        20.
      28 FEB 0115    2     .01     .01     .00         0.        *      28 FEB 1330   51     .31     .03     .28        30.
      28 FEB 0130    3     .01     .01     .00         0.        *      28 FEB 1345   52     .18     .02     .16        26.
      28 FEB 0145    4     .01     .01     .00         0.        *      28 FEB 1400   53     .14     .01     .13        17.
      28 FEB 0200    5     .01     .01     .00         0.        *      28 FEB 1415   54     .11     .01     .10        11.
      28 FEB 0215    6     .01     .01     .00         0.        *      28 FEB 1430   55     .10     .01     .09         8.
      28 FEB 0230    7     .01     .01     .00         0.        *      28 FEB 1445   56     .08     .01     .08         6.
      28 FEB 0245    8     .01     .01     .00         0.        *      28 FEB 1500   57     .08     .01     .07         5.
      28 FEB 0300    9     .01     .01     .00         0.        *      28 FEB 1515   58     .07     .00     .06         4.
      28 FEB 0315   10     .01     .01     .00         0.        *      28 FEB 1530   59     .06     .00     .06         4.
      28 FEB 0330   11     .02     .02     .00         0.        *      28 FEB 1545   60     .06     .00     .06         3.
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28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.05	3.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	3.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	3.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.04	3.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.04	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	2.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	2.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	2.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.03	.01	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.02	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.05	.03	.03	1.	*	28 FEB 2230	87	.02	.00	.01	1.
28 FEB 1030	39	.06	.03	.03	1.	*	28 FEB 2245	88	.02	.00	.01	1.
28 FEB 1045	40	.06	.03	.03	1.	*	28 FEB 2300	89	.02	.00	.01	1.
28 FEB 1100	41	.07	.03	.04	2.	*	28 FEB 2315	90	.01	.00	.01	1.
28 FEB 1115	42	.07	.03	.04	2.	*	28 FEB 2330	91	.01	.00	.01	1.
28 FEB 1130	43	.08	.03	.05	2.	*	28 FEB 2345	92	.01	.00	.01	1.
28 FEB 1145	44	.09	.03	.06	2.	*	1 MAR 0000	93	.01	.00	.01	1.
28 FEB 1200	45	.10	.04	.07	3.	*	1 MAR 0015	94	.01	.00	.01	1.
28 FEB 1215	46	.13	.04	.08	3.	*	1 MAR 0030	95	.01	.00	.01	1.
28 FEB 1230	47	.16	.05	.11	4.	*	1 MAR 0045	96	.01	.00	.01	1.
28 FEB 1245	48	.25	.07	.19	5.	*	1 MAR 0100	97	.01	.00	.01	1.
28 FEB 1300	49	.54	.11	.43	9.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 1.59, TOTAL EXCESS = 4.41

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 30.	12.50		7.	2.	2.	2.
		(INCHES)	3.463	4.380	4.380	4.380
		(AC-FT)	4.	5.	5.	5.

CUMULATIVE AREA = .02 SQ MI

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              **************
              *            *
516 KK        *   HB2ASP   *
              *            *
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517 KO            OUTPUT CONTROL VARIABLES
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                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH WET AREA IN B.E. ROW

          HYDROGRAPH ROUTING DATA

519 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      59.00  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

520 SA          AREA         .8       1.2       1.9

521 SE        ELEVATION     59.30     60.00     62.00

522 SS        SPILLWAY
                 CREL       59.00  SPILLWAY CREST ELEVATION
                SPWID       10.00  SPILLWAY WIDTH
                 COQW        3.00  WEIR COEFFICIENT
                 EXPW        1.50  EXPONENT OF HEAD

                                                    ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .69      3.76
      ELEVATION     59.30     60.00     62.00

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00       .03       .21       .72      1.71      3.34      5.77      9.17     13.69
      ELEVATION     59.30     59.00     59.01     59.04     59.08     59.15     59.23     59.33     59.45     59.59

        OUTFLOW     19.49     26.73     35.58     46.19     58.72     73.34     90.21    109.48    131.32    155.88
      ELEVATION     59.75     59.93     60.12     60.33     60.56     60.81     61.08     61.37     61.68     62.00

                                  COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .03       .13       .26       .41       .60       .69       .83      1.10      1.41
        OUTFLOW      4.93      5.77      9.17     13.69     19.49     26.73     30.00     35.58     46.19     58.72
      ELEVATION     59.30     59.33     59.45     59.59     59.75     59.93     60.00     60.12     60.33     60.56

        STORAGE      1.76      2.17      2.63      3.16      3.76
        OUTFLOW     73.34     90.21    109.48    131.32    155.88
      ELEVATION     60.81     61.08     61.37     61.68     62.00

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                                  HYDROGRAPH AT STATION   HB2ASP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.1	59.3	*	28	FEB	0915	34	7.	.0	59.4	*	28	FEB	1730	67	66.	1.6	60.7
28	FEB	0115	2	6.	.0	59.4	*	28	FEB	0930	35	7.	.1	59.4	*	28	FEB	1745	68	61.	1.5	60.6
28	FEB	0130	3	6.	.0	59.3	*	28	FEB	0945	36	7.	.1	59.4	*	28	FEB	1800	69	58.	1.4	60.6
	FEB	0145	4	6.	.0	59.3	*	28	FEB	1000	37	7.	.1	59.4	*	28	FEB	1815	70	56.	1.3	60.5
	FEB	0200	5	6.	.0	59.3	*	28	FEB	1015	38	7.	.1	59.4	*	28	FEB	1830	71	55.	1.3	60.5
28	FEB	0215	6	6.	.0	59.3	*	28	FEB	1030	39	8.	.1	59.4	*	28	FEB	1845	72	53.	1.3	60.5
28	FEB	0230	7	6.	.0	59.3	*	28	FEB	1045	40	10.	.2	59.5	*	28	FEB	1900	73	52.	1.2	60.4
28	FEB	0245	8	6.	.0	59.3	*	28	FEB	1100	41	13.	.2	59.6	*	28	FEB	1915	74	51.	1.2	60.4
28	FEB	0300	9	6.	.0	59.3	*	28	FEB	1115	42	15.	.3	59.6	*	28	FEB	1930	75	49.	1.2	60.4

28 FEB 0315	10	6.	.0	59.3	*	28 FEB 1130	43	18.	.4	59.7	*	28 FEB 1945	76	45.	1.1	60.3
28 FEB 0330	11	6.	.0	59.3	*	28 FEB 1145	44	22.	.5	59.8	*	28 FEB 2000	77	42.	1.0	60.3
28 FEB 0345	12	6.	.0	59.3	*	28 FEB 1200	45	27.	.6	59.9	*	28 FEB 2015	78	40.	1.0	60.2
28 FEB 0400	13	6.	.0	59.3	*	28 FEB 1215	46	34.	.8	60.1	*	28 FEB 2030	79	39.	.9	[illegible]
28 FEB 0415	14	6.	.0	59.3	*	28 FEB 1230	47	43.	1.0	60.3	*	28 FEB 2045	80	38.	.9	[illegible]
28 FEB 0430	15	6.	.0	59.3	*	28 FEB 1245	48	55.	1.3	60.5	*	28 FEB 2100	81	37.	.9	[illegible]
28 FEB 0445	16	6.	.0	59.3	*	28 FEB 1300	49	76.	1.8	60.9	*	28 FEB 2115	82	36.	.9	60.1
28 FEB 0500	17	6.	.0	59.3	*	28 FEB 1315	50	101.	2.4	61.3	*	28 FEB 2130	83	36.	.8	60.1
28 FEB 0515	18	6.	.0	59.3	*	28 FEB 1330	51	122.	2.9	61.5	*	28 FEB 2145	84	36.	.8	60.1
28 FEB 0530	19	6.	.0	59.3	*	28 FEB 1345	52	131.	3.2	61.7	*	28 FEB 2200	85	35.	.8	60.1
28 FEB 0545	20	6.	.0	59.3	*	28 FEB 1400	53	131.	3.2	61.7	*	28 FEB 2215	86	35.	.8	60.1
28 FEB 0600	21	6.	.0	59.3	*	28 FEB 1415	54	127.	3.1	61.6	*	28 FEB 2230	87	34.	.8	60.1
28 FEB 0615	22	6.	.0	59.3	*	28 FEB 1430	55	123.	3.0	61.6	*	28 FEB 2245	88	34.	.8	60.1
28 FEB 0630	23	6.	.0	59.3	*	28 FEB 1445	56	119.	2.9	61.5	*	28 FEB 2300	89	34.	.8	60.1
28 FEB 0645	24	6.	.0	59.3	*	28 FEB 1500	57	117.	2.8	61.5	*	28 FEB 2315	90	33.	.8	60.1
28 FEB 0700	25	6.	.0	59.3	*	28 FEB 1515	58	116.	2.8	61.5	*	28 FEB 2330	91	33.	.8	60.1
28 FEB 0715	26	6.	.0	59.3	*	28 FEB 1530	59	115.	2.8	61.4	*	28 FEB 2345	92	33.	.8	60.1
28 FEB 0730	27	6.	.0	59.3	*	28 FEB 1545	60	114.	2.7	61.4	*	1 MAR 0000	93	32.	.7	60.0
28 FEB 0745	28	6.	.0	59.3	*	28 FEB 1600	61	112.	2.7	61.4	*	1 MAR 0015	94	32.	.7	60.0
28 FEB 0800	29	6.	.0	59.3	*	28 FEB 1615	62	110.	2.6	61.4	*	1 MAR 0030	95	31.	.7	60.0
28 FEB 0815	30	6.	.0	59.3	*	28 FEB 1630	63	107.	2.6	61.3	*	1 MAR 0045	96	31.	.7	60.0
28 FEB 0830	31	6.	.0	59.4	*	28 FEB 1645	64	101.	2.4	61.2	*	1 MAR 0100	97	31.	.7	60.0
28 FEB 0845	32	6.	.0	59.4	*	28 FEB 1700	65	90.	2.2	61.1	*					
28 FEB 0900	33	6.	.0	59.4	*	28 FEB 1715	66	77.	1.8	60.9	*					
					*						*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 131.	12.75		97.	39.	39.	39.
		(INCHES)	1.333	2.122	2.122	2.122
		(AC-FT)	48.	77.	77.	77.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
3.	12.75	2.	1.	1.	1.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
61.68	12.75	61.17	60.06	60.06	60.06

CUMULATIVE AREA = .68 SQ MI

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            *            *
523 KK      *     HB2B   *
            *            *
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524 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

SCS RUNOFF CALCULATION

SUBBASIN RUNOFF DATA

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526 BA          SUBBASIN CHARACTERISTICS
                     TAREA          .01  SUBBASIN AREA

                PRECIPITATION DATA

527 PH                                 DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.40    3.00    3.40    4.20    5.20    6.00     .00     .00     .00     .00

                                                STORM AREA =     .01

528 LS          SCS LOSS RATE
                     STRTL          .60  INITIAL ABSTRACTION
                    CRVNBR        77.00  CURVE NUMBER
                     RTIMP          .00  PERCENT IMPERVIOUS AREA

529 UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG          .24  LAG

                                                      ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                            7 END-OF-PERIOD ORDINATES
              13.       14.        4.        1.        0.        0.        0.
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HYDROGRAPH AT STATION H82B

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.38	.92	17.
28 FEB 0115	2	.01	.01	.00	0.	*	28 FEB 1330	51	.31	.07	.24	17.
28 FEB 0130	3	.01	.01	.00	0.	*	28 FEB 1345	52	.18	.04	.14	10.
28 FEB 0145	4	.01	.01	.00	0.	*	28 FEB 1400	53	.14	.03	.11	6.
28 FEB 0200	5	.01	.01	.00	0.	*	28 FEB 1415	54	.11	.02	.09	4.
28 FEB 0215	6	.01	.01	.00	0.	*	28 FEB 1430	55	.10	.02	.08	3.
28 FEB 0230	7	.01	.01	.00	0.	*	28 FEB 1445	56	.08	.01	.07	3.
28 FEB 0245	8	.01	.01	.00	0.	*	28 FEB 1500	57	.08	.01	.06	2.
28 FEB 0300	9	.01	.01	.00	0.	*	28 FEB 1515	58	.07	.01	.06	2.
28 FEB 0315	10	.01	.01	.00	0.	*	28 FEB 1530	59	.06	.01	.05	2.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.06	.01	.05	2.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.04	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	1.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	1.
28 FEB 0630	23	.02	.02	.00	0.	*	28 FEB 1845	72	.04	.00	.03	1.
28 FEB 0645	24	.02	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.02	.02	.00	0.	*	28 FEB 1915	74	.02	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.02	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.02	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.02	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.

28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.01	1.
28 FEB 0930	35	.05	.04	.00	0.	*	28 FEB 2145	84	.02	.00	.01	1.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.01	0.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.01	0.
28 FEB 1015	38	.05	.04	.01	0.	*	28 FEB 2230	87	.02	.00	.01	0.
28 FEB 1030	39	.06	.05	.01	0.	*	28 FEB 2245	88	.02	.00	.01	0.
28 FEB 1045	40	.06	.05	.01	0.	*	28 FEB 2300	89	.02	.00	.01	0.
28 FEB 1100	41	.07	.05	.02	1.	*	28 FEB 2315	90	.01	.00	.01	0.
28 FEB 1115	42	.07	.05	.02	1.	*	28 FEB 2330	91	.01	.00	.01	0.
28 FEB 1130	43	.08	.05	.03	1.	*	28 FEB 2345	92	.01	.00	.01	0.
28 FEB 1145	44	.09	.06	.03	1.	*	1 MAR 0000	93	.01	.00	.01	0.
28 FEB 1200	45	.10	.06	.04	1.	*	1 MAR 0015	94	.01	.00	.01	0.
28 FEB 1215	46	.13	.07	.05	1.	*	1 MAR 0030	95	.01	.00	.01	0.
28 FEB 1230	47	.16	.08	.07	2.	*	1 MAR 0045	96	.01	.00	.01	0.
28 FEB 1245	48	.25	.12	.13	3.	*	1 MAR 0100	97	.01	.00	.01	0.
28 FEB 1300	49	.54	.22	.32	6.	*						
						*						

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TOTAL RAINFALL = 6.00, TOTAL LOSS = 2.52, TOTAL EXCESS = 3.48

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
17.	12.25		4.	1.	1.	1.
		(INCHES)	2.809	3.463	3.463	3.463
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

1

RUNOFF SUMMARY
FLOW IN CUBIC FEET PER SECOND
TIME IN HOURS, AREA IN SQUARE MILES

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
HYDROGRAPH AT	5E	77.	12.50	19.	6.	6.	.07		
HYDROGRAPH AT	6CSWP	177.	13.75	165.	55.	55.	.93		
HYDROGRAPH AT	NB1	18.	12.50	5.	1.	1.	.01		
3 COMBINED AT	6CNB1	250.	12.50	187.	62.	62.	1.01		
ROUTED TO	NB1CHL	250.	12.75	187.	62.	62.	1.01	72.94	12.75
HYDROGRAPH AT	NB2	8.	12.75	2.	1.	1.	.01		
2 COMBINED AT	NB1NB2	258.	12.75	189.	62.	62.	1.02		

	ROUTED TO								
+		NB2CHL	261.	12.75	189.	62.	62.	1.02	
+								71.84	12.75
	HYDROGRAPH AT								
		NB3	4.	12.50	1.	0.	0.	.00	
	ROUTED TO								
+		NB3CHL	4.	12.50	1.	0.	0.	.00	
+								66.52	12.50
	HYDROGRAPH AT								
+		NB5	24.	12.50	5.	2.	2.	.02	
	ROUTED TO								
+		NB5SWP	0.	24.00	0.	0.	0.	.02	
+								68.13	24.00
	HYDROGRAPH AT								
+		NB4	42.	12.50	11.	3.	3.	.04	
	4 COMBINED AT								
+		NB2345	304.	12.75	201.	66.	66.	1.08	
	ROUTED TO								
+		NB4CHL	167.	17.25	153.	61.	61.	1.08	
+								97.23	17.25
	HYDROGRAPH AT								
+		HP3A	40.	12.75	11.	4.	4.	.04	
	HYDROGRAPH AT								
+		5DSWP	49.	14.75	47.	23.	23.	.26	
	2 COMBINED AT								
+		HP3A45	78.	12.75	56.	26.	26.	.30	
	ROUTED TO								
+		HP3ASP	12.	24.00	11.	5.	5.	.30	
+								74.12	24.00
	HYDROGRAPH AT								
+		HP3B	20.	12.25	4.	1.	1.	.01	
	2 COMBINED AT								
+		HP3AB4	24.	12.25	12.	6.	6.	.31	
	ROUTED TO								
+		HP3BCH	23.	12.50	12.	6.	6.	.31	
+								68.73	12.50
	HYDROGRAPH AT								
+		SB5	24.	12.50	5.	2.	2.	.01	
	ROUTED TO								
+		SB5SWP	5.	13.25	4.	2.	2.	.01	
+								63.21	13.25
	HYDROGRAPH AT								
+		CW1	20.	12.25	4.	1.	1.	.01	
	4 COMBINED AT								
		HP3NB4	182.	17.25	169.	70.	70.	1.42	
	ROUTED TO								
+		CW1CHL	182.	17.50	169.	70.	70.	1.42	

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+                                                                                  70.28      17.50

      HYDROGRAPH AT
+                    CW2       63.   12.25        11.        4.        4.       .03

      2 COMBINED AT
+                   CW2IN      185.   17.25       172.       73.       73.      1.44

      ROUTED TO
+                   CW2CH      185.   17.50       172.       73.       73.      1.44
+                                                                                  68.12      17.50

      HYDROGRAPH AT
+                   SB3&4       42.   12.25         6.        2.        2.       .02

      ROUTED TO
+                   SB34PD      23.   12.50         5.        2.        2.       .02
+                                                                                  66.34      12.50

      2 COMBINED AT
+                   C2SB34     186.   17.25       173.       75.       75.      1.46

      ROUTED TO
+                   SB34CH     186.   17.50       173.       75.       75.      1.46
+                                                                                  69.99      17.50

      ROUTED TO
+                   HB4BCL     186.   17.50       173.       75.       75.      1.46
+                                                                                  68.39      17.50

      HYDROGRAPH AT
+                     SB7       17.   12.50         4.        1.        1.       .01

      HYDROGRAPH AT
+                     SB6        5.   12.25         1.        0.        0.       .00

      2 COMBINED AT
+                    SB67       22.   12.50         5.        1.        1.       .02

      ROUTED TO
+                   SB7CH       23.   12.50         5.        1.        1.       .02
+                                                                                  68.51      12.50

      HYDROGRAPH AT
+                     SB1       75.   12.25        12.        4.        4.       .03

      HYDROGRAPH AT
+                     SB2       30.   12.25         5.        2.        2.       .01

      4 COMBINED AT
+                   SB1267     224.   12.25       180.       82.       82.      1.52

      HYDROGRAPH AT
+                   BCSWP      525.   13.00       326.      119.      119.      1.43

      2 COMBINED AT
+                   CW2&PP     701.   12.75       506.      200.      200.      2.95

      ROUTED TO
+                   PHPND      426.   17.75       401.      169.      169.      2.95
+                                                                                  69.38      17.75

      HYDROGRAPH AT
+                     HP4       17.   12.50         4.        1.        1.       .01

      ROUTED TO
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+	HP4SWP	10.	12.75	4.	1.	1.	.01		
+								70.18	12.75
HYDROGRAPH AT									
	HP5	29.	12.25	5.	2.	2.	.01		
2 COMBINED AT									
+	HP45	33.	12.25	9.	3.	3.	.03		
ROUTED TO									
+	HP5SWP	29.	12.50	9.	3.	3.	.03		
+								70.35	12.50
HYDROGRAPH AT									
+	HB3A	33.	12.50	7.	2.	2.	.02		
HYDROGRAPH AT									
+	HB3B	25.	12.25	4.	1.	1.	.01		
2 COMBINED AT									
+	HB3AB	56.	12.25	11.	4.	4.	.03		
ROUTED TO									
+	HB3BSP	37.	12.50	11.	3.	3.	.03		
+								70.10	12.50
HYDROGRAPH AT									
+	HB3C	13.	12.50	3.	1.	1.	.01		
2 COMBINED AT									
+	HB3ABC	50.	12.50	14.	4.	4.	.04		
ROUTED TO									
	CRMLGN	37.	13.00	11.	3.	3.	.04		
								63.60	13.00
HYDROGRAPH AT									
+	HB4A	37.	12.50	8.	3.	3.	.02		
3 COMBINED AT									
+	SHD10	81.	12.75	28.	9.	9.	.09		
ROUTED TO									
+	SHD10C	80.	12.75	28.	9.	9.	.09		
+								55.40	12.75
HYDROGRAPH AT									
+	HB4B	122.	12.50	28.	9.	9.	.07		
HYDROGRAPH AT									
+	4DCHAB	107.	12.50	34.	14.	14.	.26		
HYDROGRAPH AT									
+	HB1AN	12.	12.50	3.	1.	1.	.01		
2 COMBINED AT									
+	HB1APX	119.	12.50	36.	15.	15.	.27		
ROUTED TO									
+	PXDPR	72.	12.75	36.	15.	15.	.27		
+								72.51	12.75
HYDROGRAPH AT									
+	4ECHL	75.	12.25	60.	20.	20.	.30		
HYDROGRAPH AT									

+	HB1B	34.	12.50	8.	2.	2.	.02		
2 COMBINED AT									
+	4EHB1B	109.	12.50	68.	22.	22.	.32		
ROUTED TO									
+	EWCLPX	108.	12.50	68.	22.	22.	.32		
+								67.27	12.50
HYDROGRAPH AT									
+	HB1AS	9.	12.50	2.	1.	1.	.01		
3 COMBINED AT									
+	HB1AS	178.	12.75	105.	38.	38.	.59		
ROUTED TO									
+	HB1CH	174.	12.75	105.	41.	41.	.59		
+								81.76	12.75
HYDROGRAPH AT									
+	DIHBCH	110.	12.25	91.	37.	37.	.66		
HYDROGRAPH AT									
+	HB2A	30.	12.50	7.	2.	2.	.02		
2 COMBINED AT									
+	HB12A	140.	12.50	98.	39.	39.	.68		
ROUTED TO									
+	HB2ASP	131.	12.75	97.	39.	39.	.68		
+								61.68	12.75
HYDROGRAPH AT									
+	HB2B	17.	12.25	4.	1.	1.	.01		

*** NORMAL END OF HEC-1 ***

HEC-1

100 Year, 24 Hour Storm

1

****

FLOOD HYDROGRAPH PACKAGE HEC-1 (IBM XT 512K VERSION) -FEB 1,1985
U.S. ARMY CORPS OF ENGINEERS, THE HYDROLOGIC ENGINEERING CENTER, 609 SECOND STREET, DAVIS, CA. 95616

****

THIS HEC-1 VERSION CONTAINS ALL OPTIONS EXCEPT ECONOMICS, AND THE NUMBER OF PLANS ARE REDUCED TO 3

1

HEC-1 INPUT

```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  1           ID        ISRT, WOBURN, MASSACHUSETTS
  2           ID        ON-SITE SUBWATERSHEDS
  3           ID        DETAILED STORAGE AND STREAM NETWORK
  4           ID        EXISTING CONDITIONS - 100 YR, 24 HR STORM
              *DIAGRAM
  5           IT      15 28FEB91     100      97
  6           IN      15 28FEB91     100
  7           IO       5

  8           KK      5E
  9           KO       1
 10           KM        DIRECT INPUT HYDROGRAPH FOR FLOW FROM 5E
 11           BA    0.07
 12           QI       0       0       0       0       0       0       0       0       0       0
 13           QI       0       0       0       0       0       0       0       0       0       0
 14           QI       0       0       0       0       0       0       0       0       0       0
 15           QI       0       0       0       0       1       1       1       1       2       2
 16           QI       3       3       4       4       5       7      10      14      25      56
 17           QI      84      71      49      35      25      19      15      13      12      11
 18           QI      10       9       8       8       7       7       7       6       6       6
 19           QI       6       5       5       5       4       4       4       4       4       4
 20           QI       3       3       3       3       3       3       3       3       3       3
 21           QI       3       3       3       3       3       3       3

 22           KK   6CSWP
 23           KO       1
 24           KM        DIRECT INPUT HYDROGRAPH FOR FLOW FROM READING, UNDER RTE 93
 25           BA    0.93
 26           QI       0       0       0       0       0       0       0       0       0       0
 27           QI       0       0       0       0       0       0       0       0       0       0
 28           QI       0       0       0       0       0       0       0       0       0       0
 29           QI       0       0       0       0       0       1       2       4       6       8
 30           QI      11      14      18      23      28      36      51      73     116     137
 31           QI     160     172     177     181     182     183     184     184     184     184
 32           QI     184     183     183     182     181     180     179     178     176     174
 33           QI     172     169     165     161     155     148     137     124      97      54
 34           QI      52      51      49      48      47      46      46      45      44      44
 35           QI      43      42      42      41      41      40      40

 36           KK     NB1
 37           KO       1
 38           KM        SCS RUNOFF CALCULATION
 39           BA   0.015
 40           PH               0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 41           LS              78
 42           UD    0.44
```

```
 43          KK   6CNB1
 44          KM        COMBINE HYDROGRAPHS FOR 5E, 6CSWP AND NB1
 45          HC       3
1                                        HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


 46          KK  NB1CHL
 47          KO       1
 48          KM        STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL
 49          RS       1    STOR       0
 50          RC    0.08    0.03    0.08     400  0.0063    69.5
 51          RX       0       5      10      11      17      18      23      28
 52          RY    70.5      70    69.5    67.5    67.5    69.5      70    70.5

 53          KK     NB2
 54          KO       1
 55          KM        SCS RUNOFF CALCULATION
 56          BA   0.009
 57          PH               0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 58          LS              70
 59          UD    0.49

 60          KK  NB1NB2
 61          KM        COMBINE HYDROGRAPHS FOR NB1CHL & NB2
 62          HC       2

 63          KK  NB2CHL
 64          KO       1
 65          KM        STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL
 66          RS       1    STOR       0
 67          RC   0.080   0.030   0.080     500   0.003      66
 68          RX       0       5      10      11      17      18      23      28
 69          RY      67    66.5      66      64      64      66    66.5      67

 70          KK     NB3
 71          KO       1
 72          KM        SCS RUNOFF CALCULATION
 73          BA   0.004
 74          PH               0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 75          LS              70
 76          UD    0.34

 77          KK  NB3CHL
 78          KO       1
 79          KM        STORAGE ROUTING THROUGH RTE 93 E/W CHANNEL
 80          RS       1    STOR       0
 81          RC   0.080   0.030   0.080     430   0.007      67
 82          RX       0       5      10      11      14      15      20      25
 83          RY      68    67.5      67      66      66      67    67.5      68

 84          KK     NB5
 85          KO       1
 86          KM        SCS RUNOFF CALCULATION
 87          BA   0.017
 88          PH               0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 89          LS              79
 90          UD    0.32
1                                        HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


 91          KK  NB5SWP
 92          KO       1
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```
 93          KM        ROUTING THROUGH WETLAND 3B
 94          RS       1    ELEV    67.2
 95          SA   1.084   1.586   3.737
 96          SE    66.5    67.2    68.2
 97          SS    68.1      30     3.0     1.5

 98          KK     NB4
 99          KO       1
100          KM        SCS RUNOFF CALCULATION
101          BA   0.036
102          PH            0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
103          LS           78
104          UD    0.45

105          KK  NB2345
106          KM        COMBINE HYDROGRAPHS FOR NB2CHL, NB3CHL, NB5SWP & NB4
107          HC       4

108          KK  NB4CHL
109          KO       1
110          KM        STORAGE ROUTING THROUGH NORTH BRANCH TO COMMERCE WAY
111          RS       1    ELEV    61.6
112          SA       0   0.514   0.743   0.912   1.300
113          SE    61.6      64    64.5      65      66
114          SL    62.6    3.14     0.6     0.5
115          SS    64.9       0     3.0     1.5

116          KK    HP3A
117          KO       1
118          KM        SCS RUNOFF CALCULATION
119          BA   0.035
120          PH            0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
121          LS           80
122          UD    0.50

123          KK   5DSWP
124          KO       1
125          KM        DIRECT INPUT OF HYDROGRAPH FROM UPPER SOUTH POND
126          BA   0.262
127          QI       0       0       0       0       0       0       0       0       0       0
128          QI       0       0       0       0       0       1       1       2       2       2
129          QI       3       3       3       3       3       3       3       4       4       4
130          QI       4       4       4       4       5       5       5       6       6       7
131          QI       7       8       9      10      11      12      13      16      19      25
132          QI      35      40      44      48      50      52      53      54      54      54
133          QI      54      54      54      54      54      53      53      53      52      52
134          QI      51      51      50      50      50      49      49      48      48      47
135          QI      47      46      45      45      44      44      43      43      42      42
136          QI      41      41      40      39      39      38      38
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LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

137          KK  HP3A45
138          KM        COMBINE HYDROGRAPHS FOR 5DSWP & HP3A
139          HC       2

140          KK  HP3ASP
141          KO       1
142          KM        ROUTING THROUGH E/W HIDE PILE WETLAND
143          RS       1    ELEV    69.4
144          SA   1.885   3.173   7.358
145          SE      69      70    71.5
146          SL    70.2    1.23     0.6     0.5
147          SS    74.2       0     3.0     1.5
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```
148          KK    HP3B
149          KO       1
150          KM        SCS RUNOFF CALCULATION
151          BA   0.013
152          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
153          LS             76
154          UD    0.19

155          KK  HP3AB4
156          KM        COMBINE HYDROGRAPHS FOR HP3ASP & HP3B
157          HC       2

158          KK  HP3BCH
159          KO       1
160          KM        STORAGE ROUTING THROUGH HP3B CHANNEL
161          RS       1    STOR       0
162          RC    0.08    0.03    0.08     600  0.0013      74
163          RX       0       5      10      15      20      25      30      35
164          RY      74      73      72      67      67      72      73      74

165          KK     SB5
166          KO       1
167          KM        SCS RUNOFF CALCULATION
168          BA   0.015
169          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
170          LS             85
171          UD    0.26

172          KK  SB5SWP
173          KO       1
174          KM        STORAGE ROUTING THROUGH WETLAND 3C
175          RS       1    ELEV    62.4
176          SA   1.020   2.247   3.131   3.834
177          SE      62      63      64    65.0
178          SL    62.4    1.23     0.6     0.5
179          SS    64.9      30     3.0     1.5
1                                          HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


180          KK     CW1
181          KO       1
182          KM        SCS RUNOFF CALCULATION
183          BA   0.011
184          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
185          LS             80
186          UD    0.17

187          KK  HP3NB4
188          KM        COMBINE HYDROGRAPHS FOR HP3B & NB4 CHANNELS, SB5SWP & CW1
189          HC       4

190          KK  CW1CHL
191          KO       1
192          KM        STORAGE ROUTING THROUGH CW1 CHANNEL
193          RS       1    ELEV      61
194          SA       0   0.017   0.135   0.214   0.260
195          SE      61      63      64      65      66
196          SL    62.6   12.57     0.6     0.5
197          SS    65.9       0     3.0     1.5

198          KK     CW2
199          KO       1
200          KM        SCS RUNOFF CALCULATION
```

```
201          BA   0.026
202          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
203          LS             92
204          UD    0.16

205          KK   CW2IN
206          KM        COMBINE HYDROGRAPHS FOR INFLOW TO CW2 AND CW2 RUNOFF
207          HC       2

208          KK   CW2CH
209          KO       1
210          KM        STORAGE ROUTING THROUGH CW2 CHANNEL
211          RS       1    ELEV    59.9
212          SA       0   0.082   0.129   0.178   0.225   0.241
213          SE    59.9      61      63      65      67    67.7
214          SL    61.8   12.57     0.6     0.5
215          SS    67.5      30     3.0     1.5

216          KK   SB3&4
217          KO       1
218          KM        SCS RUNOFF CALCULATION - SB3 & SB4
219          BA   0.017
220          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
221          LS             87
222          UD    0.07
1                                          HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


223          KK  SB34PD
224          KO       1
225          KM        STORAGE ROUTING THROUGH SB3 & SB4
226          RS       1    ELEV    59.1
227          SA   0.228   0.484   1.708
228          SE    63.5    65.7      66
229          SS    65.9      40     3.0     1.5

230          KK  C2SB34
231          KM        COMBINE HYDROGRAPHS FOR CW2 CHANNEL & SB34POND
232          HC       2

233          KK  SB34CH
234          KO       1
235          KM        STORAGE ROUTING THROUGH COMMERCE WAY at SB34
236          RS       1    ELEV    59.1
237          SA       0   0.033   0.064   0.095   0.123
238          SE    59.1      60      62      64      66
239          SL    61.4   12.57     0.6     0.5
240          SS    65.9       0     3.0     1.5

241          KK  HB4BCL
242          KO       1
243          KM        STORAGE ROUTING THROUGH COMMERCE WAY AT HB4B
244          RS       1    ELEV    57.8
245          SA       0   0.047   0.067   0.088   0.110   0.128
246          SE    57.8      59      61      63      65    66.8
247          SL      59   12.57     0.6     0.5
248          SS    66.7       0     3.0     1.5

249          KK     SB7
250          KO       1
251          KM        SCS RUNOFF CALCULATION
252          BA   0.014
253          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
254          LS             73
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 255          UD    0.25

 256          KK     SB6
 257          KO       1
 258          KM        SCS RUNOFF CALCULATION
 259          BA   0.004
 260          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 261          LS             73
 262          UD    0.21

 263          KK    SB67
 264          KM        COMBINE HYDROGRAPHS FOR SB6 & SB7
 265          HC       2
1                                          HEC-1 INPUT

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


 266          KK   SB7CH
 267          KO       1
 268          KM        STORAGE ROUTING THROUGH SB7 CHANNEL
 269          RS       1    STOR       0
 270          RC    0.08    0.03    0.08     900   0.002      70
 271          RX       0       5      10      13      18      21      26      31
 272          RY      71    70.5      70      67      67      70    70.5      71

 273          KK     SB1
 274          KO       1
 275          KM        SCS RUNOFF CALCULATION
 276          BA   0.032
 277          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 278          LS             88
 279          UD    0.15

 280          KK     SB2
 281          KO       1
 282          KM        SCS RUNOFF CALCULATION
 283          BA   0.011
 284          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 285          LS             95
 286          UD    0.06

 287          KK  SB1267
 288          KM        COMBINE HYDROGRAPHS FOR SB1, SB2, SB7CH & SB34CH
 289          HC       4

 290          KK   8CSWP
 291          KO       1
 292          KM        DIRECT INPUT HYDROGRAPH FROM READING, UNDER RTE 93
 293          BA    1.43
 294          QI       0       0       0       0       0       0       0       0       1       3
 295          QI       4       6       7       8       9      10      10      10      10      10
 296          QI      11      11      11      11      11      11      11      11      11      11
 297          QI      11      11      12      13      15      17      20      23      27      32
 298          QI      38      44      52      61      70      82     102     132     186     300
 299          QI     449     549     572     547     502     453     411     379     358     343
 300          QI     331     323     316     309     303     298     293     287     282     276
 301          QI     269     261     252     243     233     223     213     203     194     184
 302          QI     169     148     131     119     110     102      97      92      89      86
 303          QI      84      83      81      80      79      78      77

 304          KK  CW2&PP
 305          KM        COMBINE HYDROGRAPHS FOR PHILLIPS POND
 306          HC       2

 307          KK   PHPND
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```
 308          KO       1
 309          KM        STORAGE ROUTING THROUGH PHILLIPS POND
 310          RS       1    ELEV      57
 311          SA   3.914   4.830   5.514   7.530   8.809  11.892
 312          SE      57    59.5    60.6      62      64      66
 313          SL    57.5   14.14     0.6     0.5
1                                          HEC-1 INPUT

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 314          SS    65.9      40     3.0     1.5

 315          KK     HP4
 316          KO       1
 317          KM        SCS RUNOFF CALCULATION
 318          BA   0.013
 319          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 320          LS             76
 321          UD    0.34

 322          KK  HP4SWP
 323          KO       1
 324          KM        ROUTING THROUGH WET AREA NEAR ARSENIC POND
 325          RS       1    ELEV    69.9
 326          SA   0.334   0.632   1.897
 327          SE      68      69      70
 328          SS    69.9      30     3.0     1.5

 329          KK     HP5
 330          KO       1
 331          KM        SCS RUNOFF CALCULATION
 332          BA   0.015
 333          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 334          LS             84
 335          UD    0.19

 336          KK    HP45
 337          KM        COMBINE HYDROGRAPH FOR HP4SWP & HP5
 338          HC       2

 339          KK  HP5SWP
 340          KO       1
 341          KM        SCS RUNOFF CALCULATION
 342          RS       1    ELEV      68
 343          SA       0   0.304
 344          SE      68      69
 345          SS    68.9      15     3.0     1.5

 346          KK    HB3A
 347          KO       1
 348          KM        SCS RUNOFF CALCULATION
 349          BA    0.02
 350          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 351          LS             85
 352          UD    0.26

 353          KK    HB3B
 354          KO       1
 355          KM        SCS RUNOFF CALCULATION
 356          BA    0.01
 357          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
 358          LS             88
 359          UD    0.10
1                                          HEC-1 INPUT

LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10
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360          KK   HB3AB
361          KM        COMBINE HYDROGRAPHS FOR HB3A & HB3B
362          HC       2

363          KK   HB3BS
364          KO       1
365          KM        STORAGE ROUTING THROUGH HB3B DEPRESSION
366          RS       1    ELEV    68.8
367          SA       0   0.745   1.868
368          SE    68.8    69.2    69.5
369          SS    69.4      40     3.0     1.5

370          KK    HB3C
371          KO       1
372          KM        SCS RUNOFF CALCULATION
373          BA    0.01
374          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
375          LS             76
376          UD    0.28

377          KK  HB3ABC
378          KM        COMBINE HYDROGRAPHS FOR HB3B DEPRESSION & HB3C
379          HC       2

380          KK  CRMLGN
381          KO       1
382          KM        STORAGE ROUTING THROUGH CHROMIUM LAGOONS
383          RS       1    ELEV      60
384          SA   0.298   0.425   0.735   1.211
385          SE      59    60.2      62      63
386          SS    62.9      40     3.0     1.5

387          KK    HB4A
388          KO       1
389          KM        SCS RUNOFF CALCULATION
390          BA   0.023
391          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
392          LS             84
393          UD    0.25

394          KK   SHD10
395          KM        COMBINE HYDROGRAPHS FOR HB4A, HP5SWP & CHROMIUM LAGOONS
396          HC       3

397          KK  SHD10C
398          KO       1
399          KM        STORAGE ROUTING THROUGH ATLANTIC AVENUE CHANNEL at RR TRACKS
400          RS       1   STOR       0
401          RC    0.08    0.03    0.08     800   0.007      63
402          RX       0      10      20      28      42      50      60      70
403          RY      63    62.5      62    54.2    54.2      62    62.5      63
1                                        HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


404          KK    HB4B
405          KO       1
406          KM        SCS RUNOFF CALCULATION
407          BA   0.066
408          PH              0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
409          LS             93
410          UD    0.32
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```
411          KK  4DCHAB
412          KO      1
413          KM       DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON
414          BA  0.259
415          QI      0      0      0      0      0      0      0      0      0      0
416          QI      0      0      0      0      0      0      0      0      0      0
417          QI      0      0      0      0      0      0      0      0      0      0
418          QI      0      0      0      1      1      1      1      2      2      3
419          QI      3      4      5      6      7     10     14     21     37     88
420          QI    116     87     61     47     37     32     30     29     28     27
421          QI     27     27     26     26     26     26     26     26     26     26
422          QI     26     26     26     26     25     25     25     25     25     25
423          QI     25     25     24     24     24     24     24     24     24     24
424          QI     24     24     23     23     23     23     23

425          KK   HB1AN
426          KO      1
427          KM       SCS RUNOFF CALCULATION
428          BA  0.008
429          PH             0    0.6    1.3    2.5    3.3    3.7    4.6    5.6    6.6
430          LS            81
431          UD   0.28

432          KK    HBN
433          KM       COMBINE HYDROGRAPHS FROM HB1A & 4DCHAB
434          HC      2

435          KK   PXDPR
436          KO      1
437          KM       ROUTING OF NW WOBURN & WILMINGTON THROUGH PX DEPRESSED AREA
438          RS      1   ELEV   67.4
439          SA      0  0.291  0.721  0.936  0.936
440          SE     68     69     70     71   72.4
441          SL   68.9   7.07    0.6    0.5
442          SS   72.3     30    3.0    1.5

443          KK   4ECHL
444          KO      1
445          KM       DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON
446          BA   0.30
447          QI      0      0      0      0      0      0      0      0      0      0
448          QI      0      0      0      0      0      0      0      0      0      0
449          QI      0      0      0      0      0      0      0      0      0      0
450          QI      0      0      1      3      3      5      6      7      9     11
451          QI     13     16     19     22     26     35     47     59     75     75
452          QI     75     75     75     75     75     75     75     75     75     75
```



```
LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

453          QI     75     75     75     74     61     48     33     28     27     26
454          QI     25     24     24     22     20     18     18     17     17     16
455          QI     16     15     15     15     14     14     14     13     13     13
456          QI     13     12     12     12     12     12     11

457          KK   HB1B
458          KO      1
459          KM       SCS RUNOFF CALCULATION
460          BA  0.021
461          PH             0    0.6    1.3    2.5    3.3    3.7    4.6    5.6    6.6
462          LS            84
463          UD   0.31

464          KK  4EHB1B
465          KM       COMBINE HYDROGRAPHS FROM 4ECHL & HB1B
466          HC      2
```

```
467          KK  EWCLPX
468          KO       1
469          KM        CHANNEL ROUTING THROUGH E/W CHANNEL AT PX REALTY
470          RS       1    STOR       0
471          RC   0.080   0.030   0.080     250  0.0032    70.5
472          RX       0       5      10      16      22      28      38      48
473          RY      72      71      70    64.4    64.4      70    70.2    70.5

474          KK   HB1AS
475          KO       1
476          KM        SCS RUNOFF CALCULATION
477          BA   0.006
478          PH             0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
479          LS            90
480          UD    0.47

481          KK   HB1PX
482          KM        COMBINE HYDROGRAPHS FROM PX DEPRESSED AREA & HB1 RUNOFF
483          HC       3

484          KK   HB1CH
485          KO       1
486          KM        STORAGE ROUTING THROUGH N/S CHANNEL at PX REALTY
487          RS       1    ELEV    66.4
488          SA       0   0.016   0.019   0.033   0.041   0.066   0.074
489          SE    66.4    66.5      67    67.5      68      69    69.4
490          SL   59.65    7.07     0.6     0.5
491          SS    69.3       0     3.0     1.5

492          KK  DIHBCH
493          KO       1
494          KM        DIRECT INPUT OF HYDROGRAPH FROM HB1CH (MODIFIED PEAK)
495          BA     .66
496          QI       0       6       6       6       6       6       6       6       6       6
497          QI       6       6       6       6       6       6       6       6       6       6
498          QI       6       6       6       6       6       6       6       6       6       6
499          QI       6       6       6       6       6       6       9      11      13      16
500          QI      19      23      27      32      37      50      65      85     107     110
1                                          HEC-1 INPUT

LINE         ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

501          QI     110     110     110     110     110     110     110     110     110     110
502          QI     110     110     108     106      99      77      66      56      58      54
503          QI      55      53      54      51      49      46      45      44      44      43
504          QI      43      42      41      41      40      40      40      39      39      39
505          QI      39      38      37      37      37      37      36

506          KK    HB2A
507          KO       1
508          KM        SCS RUNOFF CALCULATION
509          BA   0.020
510          PH             0     0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
511          LS            86
512          UD    0.41

513          KK   HB12A
514          KM        COMBINE HYDROGRAPHS FROM HB1 & HB2A
515          HC       2

516          KK  HB2ASP
517          KO       1
518          KM        STORAGE ROUTING THROUGH WET AREA IN B.E. ROW
519          RS       1    ELEV      59
520          SA   0.801   1.178   1.929
```

```
521          SE    59.3      60      62
522          SS      59      10     3.0     1.5

523          KK    HB2B
524          KO       1
525          KM        SCS RUNOFF CALCULATION
526          BA   0.013
527          PH              0   0.6     1.3     2.5     3.3     3.7     4.6     5.6     6.6
528          LS             77
529          UD    0.24
530          ZZ
1
             SCHEMATIC DIAGRAM OF STREAM NETWORK
INPUT
 LINE     (V) ROUTING          (--->) DIVERSION OR PUMP FLOW

  NO.     (.) CONNECTOR        (<---) RETURN OF DIVERTED OR PUMPED FLOW

   8          5E
              .
              .
  22          .       6CSWP
              .           .
              .           .
  36          .           .        NB1
              .           .          .
              .           .          .
  43       6CNB1.......................
              V
              V
  46      NB1CHL
              .
              .
   3          .         NB2
              .           .
              .           .
  60      NB1NB2............
              V
              V
  63      NB2CHL
              .
              .
  70          .         NB3
              .           V
              .           V
  77          .      NB3CHL
              .           .
              .           .
  84          .           .        NB5
              .           .          V
              .           .          V
  91          .           .     NB5SWP
              .           .          .
              .           .          .
  98          .           .          .        NB4
              .           .          .          .
              .           .          .          .
 105      NB2345.................................
              V
              V
 108      NB4CHL
              .
              .
 116          .        HP3A
              .           .
              .           .
```

```
123          .           .       5DSWP
             .           .           .
             .           .           .
137          .      HP3A45............
             .           V
             .           V
140          .      HP3ASP
             .           .
             .           .
148          .           .        HP3B
             .           .           .
             .           .           .
155          .      HP3AB4............
             .           V
             .           V
158          .      HP3BCH
             .           .
             .           .
165          .           .         SB5
             .           .           V
             .           .           V
172          .           .      SB5SWP
             .           .           .
             .           .           .
180          .           .           .         CW1
             .           .           .           .
             .           .           .           .
187     HP3NB4.................................
             V
             V
190     CW1CHL
             .
             .
198          .         CW2
             .           .
             .           .
205      CW2IN............
             V
             V
208      CW2CH
             .
             .
216          .       SB3&4
             .           V
             .           V
223          .      SB34PD
             .           .
             .           .
230     C2SB34............
             V
             V
233     SB34CH
             V
             V
241     HB4BCL
             .
             .
249          .         SB7
             .           .
             .           .
256          .           .         SB6
             .           .           .
             .           .           .
263          .       SB67............
             .           V
             .           V
```

```
266          .       SB7CM
             .          .
             .          .
273          .          .         SB1
             .          .          .
             .          .          .
280          .          .          .         SB2
             .          .          .          .
             .          .          .          .
287     SB1267.....................................
             .
             .
290          .       8CSWP
             .          .
             .          .
304     CW2&PP............
             V
             V
307      PHPND
             .
             .
315          .         HP4
             .          V
             .          V
322          .      HP4SWP
             .          .
             .          .
329          .          .         HP5
             .          .          .
             .          .          .
336          .        HP45............
             .          V
             .          V
  9          .      HP5SWP
             .          .
             .          .
346          .          .        HB3A
             .          .          .
             .          .          .
353          .          .          .        HB3B
             .          .          .          .
             .          .          .          .
360          .          .       HB3AB............
             .          .          V
             .          .          V
363          .          .       HB3BS
             .          .          .
             .          .          .
370          .          .          .        HB3C
             .          .          .          .
             .          .          .          .
377          .          .     HB3ABC............
             .          .          V
             .          .          V
380          .          .     CRMLGM
             .          .          .
             .          .          .
387          .          .          .        HB4A
             .          .          .          .
             .          .          .          .
394          .       SHD10........................
             .          V
             .          V
397          .      SHD10C
             .          .
             .          .
```

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404          .          .       HB4B
             .          .         .
             .          .         .
411          .          .         .     4DCHAB
             .          .         .         .
             .          .         .         .
425          .          .         .         .       HB1AN
             .          .         .         .          .
             .          .         .         .          .
432          .          .         .       HBN............
             .          .         .         V
             .          .         .         V
435          .          .         .     PXDPR
             .          .         .         .
             .          .         .         .
443          .          .         .         .       4ECHL
             .          .         .         .          .
             .          .         .         .          .
457          .          .         .         .          .       HB1B
             .          .         .         .          .         .
             .          .         .         .          .         .
464          .          .         .         .     4EHB1B............
             .          .         .         .          V
             .          .         .         .          V
467          .          .         .         .     EWCLPX
             .          .         .         .          .
             .          .         .         .          .
474          .          .         .         .          .      HB1AS
             .          .         .         .          .         .
             .          .         .         .          .         .
481          .          .         .     HB1PX........................
             .          .         .         V
             .          .         .         V
484          .          .         .     HB1CH
             .          .         .         .
             .          .         .         .
492          .          .         .         .     DIHBCH
             .          .         .         .          .
             .          .         .         .          .
506          .          .         .         .          .       HB2A
             .          .         .         .          .         .
             .          .         .         .          .         .
513          .          .         .         .      HB12A............
             .          .         .         .          V
             .          .         .         .          V
516          .          .         .         .     HB2ASP
             .          .         .         .          .
             .          .         .         .          .
523          .          .         .         .          .       HB2B
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

1 ****

FLOOD HYDROGRAPH PACKAGE HEC-1 (IBM XT 512K VERSION) -FEB 1,1985
U.S. ARMY CORPS OF ENGINEERS, THE HYDROLOGIC ENGINEERING CENTER, 609 SECOND STREET, DAVIS, CA. 95616
****

ISRT, WOBURN, MASSACHUSETTS
ON-SITE SUBWATERSHEDS
DETAILED STORAGE AND STREAM NETWORK
EXISTING CONDITIONS - 100 YR, 24 HR STORM

7 IO OUTPUT CONTROL VARIABLES
IPRNT 5 PRINT CONTROL

```
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE

   IT        HYDROGRAPH TIME DATA
                 NMIN         15  MINUTES IN COMPUTATION INTERVAL
                IDATE    28FEB91  STARTING DATE
                ITIME       0100  STARTING TIME
                   NQ         97  NUMBER OF HYDROGRAPH ORDINATES
               NDDATE     1MAR91  ENDING DATE
               NDTIME       0100  ENDING TIME

            COMPUTATION INTERVAL     .25 HOURS
                 TOTAL TIME BASE   24.00 HOURS

      ENGLISH UNITS


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


         **************
         *            *
  8 KK   *       5E   *
         *            *
         **************

  9 KO        OUTPUT CONTROL VARIABLES
                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        DIRECT INPUT HYDROGRAPH FOR FLOW FROM 5E

   IN        TIME DATA FOR INPUT TIME SERIES
                JXMIN         15  TIME INTERVAL IN MINUTES
               JXDATE    28FEB91  STARTING DATE
               JXTIME        100  STARTING TIME

           SUBBASIN RUNOFF DATA

 11 BA        SUBBASIN CHARACTERISTICS
                TAREA        .07  SUBBASIN AREA

                                                    ***

*****************************************************************************************************************************

                                        HYDROGRAPH AT STATION       5E

*****************************************************************************************************************************
                                 *                                *                                *
  DA MON HRMN  ORD      FLOW     *  DA MON HRMN  ORD      FLOW    *  DA MON HRMN  ORD      FLOW    *  DA MON HRMN  ORD      FLOW
                                 *                                *                                *
  28 FEB 0100    1        0.     *  28 FEB 0715   26        0.    *  28 FEB 1330   51       84.    *  28 FEB 1945   76        4.
  28 FEB 0115    2        0.     *  28 FEB 0730   27        0.    *  28 FEB 1345   52       71.    *  28 FEB 2000   77        4.
  28 FEB 0130    3        0.     *  28 FEB 0745   28        0.    *  28 FEB 1400   53       49.    *  28 FEB 2015   78        4.
  28 FEB 0145    4        0.     *  28 FEB 0800   29        0.    *  28 FEB 1415   54       35.    *  28 FEB 2030   79        4.
  28 FEB 0200    5        0.     *  28 FEB 0815   30        0.    *  28 FEB 1430   55       25.    *  28 FEB 2045   80        4.
  28 FEB 0215    6        0.     *  28 FEB 0830   31        0.    *  28 FEB 1445   56       19.    *  28 FEB 2100   81        3.
  28 FEB 0230    7        0.     *  28 FEB 0845   32        0.    *  28 FEB 1500   57       15.    *  28 FEB 2115   82        3.
  28 FEB 0245    8        0.     *  28 FEB 0900   33        0.    *  28 FEB 1515   58       13.    *  28 FEB 2130   83        3.
   8 FEB 0300    9        0.     *  28 FEB 0915   34        0.    *  28 FEB 1530   59       12.    *  28 FEB 2145   84        3.
  28 FEB 0315   10        0.     *  28 FEB 0930   35        1.    *  28 FEB 1545   60       11.    *  28 FEB 2200   85        3.
  28 FEB 0330   11        0.     *  28 FEB 0945   36        1.    *  28 FEB 1600   61       10.    *  28 FEB 2215   86        3.
  28 FEB 0345   12        0.     *  28 FEB 1000   37        1.    *  28 FEB 1615   62        9.    *  28 FEB 2230   87        3.
  28 FEB 0400   13        0.     *  28 FEB 1015   38        1.    *  28 FEB 1630   63        8.    *  28 FEB 2245   88        3.
```

28 FEB 0415	14	0.	*	28 FEB 1030	39	2.	*	28 FEB 1645	64	8.	*	28 FEB 2300	89	3.
28 FEB 0430	15	0.	*	28 FEB 1045	40	2.	*	28 FEB 1700	65	7.	*	28 FEB 2315	90	3.
28 FEB 0445	16	0.	*	28 FEB 1100	41	3.	*	28 FEB 1715	66	7.	*	28 FEB 2330	91	3.
28 FEB 0500	17	0.	*	28 FEB 1115	42	3.	*	28 FEB 1730	67	7.	*	28 FEB 2345	92	3.
28 FEB 0515	18	0.	*	28 FEB 1130	43	4.	*	28 FEB 1745	68	6.	*	1 MAR 0000	93	3
28 FEB 0530	19	0.	*	28 FEB 1145	44	4.	*	28 FEB 1800	69	6.	*	1 MAR 0015	94	3.
28 FEB 0545	20	0.	*	28 FEB 1200	45	5.	*	28 FEB 1815	70	6.	*	1 MAR 0030	95	3.
28 FEB 0600	21	0.	*	28 FEB 1215	46	7.	*	28 FEB 1830	71	6.	*	1 MAR 0045	96	3.
28 FEB 0615	22	0.	*	28 FEB 1230	47	10.	*	28 FEB 1845	72	5.	*	1 MAR 0100	97	3.
28 FEB 0630	23	0.	*	28 FEB 1245	48	14.	*	28 FEB 1900	73	5.	*			
28 FEB 0645	24	0.	*	28 FEB 1300	49	25.	*	28 FEB 1915	74	5.	*			
28 FEB 0700	25	0.	*	28 FEB 1315	50	56.	*	28 FEB 1930	75	4.	*			
			*				*				*			

****

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 84.	12.50		21.	7.	7.	7.
		(INCHES)	2.842	3.550	3.550	3.550
		(AC-FT)	11.	13.	13.	13.

CUMULATIVE AREA = .07 SQ MI

*** ***

```
          **************
          *            *
 22 KK    *    6CSWP   *
          *            *
          **************

 23 KO        OUTPUT CONTROL VARIABLES
                   IPRNT          1  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL         0.  HYDROGRAPH PLOT SCALE
                          DIRECT INPUT HYDROGRAPH FOR FLOW FROM READING, UNDER RTE 93

  6 IN        TIME DATA FOR INPUT TIME SERIES
                   JXMIN         15  TIME INTERVAL IN MINUTES
                  JXDATE    28FEB91  STARTING DATE
                  JXTIME        100  STARTING TIME

            SUBBASIN RUNOFF DATA

 25 BA        SUBBASIN CHARACTERISTICS
                   TAREA        .93  SUBBASIN AREA
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HYDROGRAPH AT STATION 6CSWP

****

DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW	*	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	*	28 FEB 0715	26	0.	*	28 FEB 1330	51	160.	*	28 FEB 1945	76	148.
28 FEB 0115	2	0.	*	28 FEB 0730	27	0.	*	28 FEB 1345	52	172.	*	28 FEB 2000	77	137.
28 FEB 0130	3	0.	*	28 FEB 0745	28	0.	*	28 FEB 1400	53	177.	*	28 FEB 2015	78	124.

28 FEB 0145	4	0.	*	28 FEB 0800	29	0.	*	28 FEB 1415	54	181.	*	28 FEB 2030	79	97.
28 FEB 0200	5	0.	*	28 FEB 0815	30	0.	*	28 FEB 1430	55	182.	*	28 FEB 2045	80	54.
28 FEB 0215	6	0.	*	28 FEB 0830	31	0.	*	28 FEB 1445	56	183.	*	28 FEB 2100	81	52.
28 FEB 0230	7	0.	*	28 FEB 0845	32	0.	*	28 FEB 1500	57	184.	*	28 FEB 2115	82	51.
28 FEB 0245	8	0.	*	28 FEB 0900	33	0.	*	28 FEB 1515	58	184.	*	28 FEB 2130	83	49.
28 FEB 0300	9	0.	*	28 FEB 0915	34	0.	*	28 FEB 1530	59	184.	*	28 FEB 2145	84	48.
28 FEB 0315	10	0.	*	28 FEB 0930	35	0.	*	28 FEB 1545	60	184.	*	28 FEB 2200	85	47.
28 FEB 0330	11	0.	*	28 FEB 0945	36	1.	*	28 FEB 1600	61	184.	*	28 FEB 2215	86	46.
28 FEB 0345	12	0.	*	28 FEB 1000	37	2.	*	28 FEB 1615	62	183.	*	28 FEB 2230	87	46.
28 FEB 0400	13	0.	*	28 FEB 1015	38	4.	*	28 FEB 1630	63	183.	*	28 FEB 2245	88	45.
28 FEB 0415	14	0.	*	28 FEB 1030	39	6.	*	28 FEB 1645	64	182.	*	28 FEB 2300	89	44.
28 FEB 0430	15	0.	*	28 FEB 1045	40	8.	*	28 FEB 1700	65	181.	*	28 FEB 2315	90	44.
28 FEB 0445	16	0.	*	28 FEB 1100	41	11.	*	28 FEB 1715	66	180.	*	28 FEB 2330	91	43.
28 FEB 0500	17	0.	*	28 FEB 1115	42	14.	*	28 FEB 1730	67	179.	*	28 FEB 2345	92	42.
28 FEB 0515	18	0.	*	28 FEB 1130	43	18.	*	28 FEB 1745	68	178.	*	1 MAR 0000	93	42.
28 FEB 0530	19	0.	*	28 FEB 1145	44	23.	*	28 FEB 1800	69	176.	*	1 MAR 0015	94	41.
28 FEB 0545	20	0.	*	28 FEB 1200	45	28.	*	28 FEB 1815	70	174.	*	1 MAR 0030	95	41.
28 FEB 0600	21	0.	*	28 FEB 1215	46	36.	*	28 FEB 1830	71	172.	*	1 MAR 0045	96	40.
28 FEB 0615	22	0.	*	28 FEB 1230	47	51.	*	28 FEB 1845	72	169.	*	1 MAR 0100	97	40.
28 FEB 0630	23	0.	*	28 FEB 1245	48	73.	*	28 FEB 1900	73	165.	*			
28 FEB 0645	24	0.	*	28 FEB 1300	49	116.	*	28 FEB 1915	74	161.	*			
28 FEB 0700	25	0.	*	28 FEB 1315	50	137.	*	28 FEB 1930	75	155.	*			
			*				*				*			

****

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 184.	14.00		177.	65.	65.	65.
		(INCHES)	1.773	2.600	2.600	2.600
		(AC-FT)	88.	129.	129.	129.

CUMULATIVE AREA = .93 SQ MI

*** ***

```
          **************
          *            *
36 KK     *      NB1   *
          *            *
          **************
```

37 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

SCS RUNOFF CALCULATION

SUBBASIN RUNOFF DATA

39 BA SUBBASIN CHARACTERISTICS

TAREA .01 SUBBASIN AREA

PRECIPITATION DATA

) PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
.60	1.30	2.50	3.30	3.70	4.60	5.60	6.60	.00	.00	.00	.00

STORM AREA = .01

```
 41 LS          SCS LOSS RATE
                      STRTL          .56  INITIAL ABSTRACTION
                     CRVNBR        78.00  CURVE NUMBER
                      RTIMP          .00  PERCENT IMPERVIOUS AREA

 42 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG          .44  LAG

                                                    ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                              UNIT HYDROGRAPH
                                          11 END-OF-PERIOD ORDINATES
              5.      13.      11.       5.       3.       1.       1.       0.       0.       0.
              0.
```

****

HYDROGRAPH AT STATION NB1

****

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.31	.99	12.
28 FEB 0115	2	.02	.02	.00	0.	28 FEB 1330	51	.34	.06	.28	19.
28 FEB 0130	3	.02	.02	.00	0.	28 FEB 1345	52	.23	.04	.19	18.
28 FEB 0145	4	.02	.02	.00	0.	28 FEB 1400	53	.19	.03	.16	13.
28 FEB 0200	5	.02	.02	.00	0.	28 FEB 1415	54	.11	.02	.09	9.
28 FEB 0215	6	.02	.02	.00	0.	28 FEB 1430	55	.10	.01	.08	7.
28 FEB 0230	7	.02	.02	.00	0.	28 FEB 1445	56	.09	.01	.08	5.
28 FEB 0245	8	.02	.02	.00	0.	28 FEB 1500	57	.09	.01	.07	4.
28 FEB 0300	9	.02	.02	.00	0.	28 FEB 1515	58	.08	.01	.07	3.
28 FEB 0315	10	.02	.02	.00	0.	28 FEB 1530	59	.07	.01	.06	3.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.07	.01	.06	3.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.01	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.01	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.01	.04	2.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.01	.04	2.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.01	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.01	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.01	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.03	.00	0.	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.03	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.03	.00	0.	28 FEB 1915	74	.03	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.01	0.	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.01	0.	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.04	.01	0.	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.04	.01	0.	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.05	.02	0.	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.05	.02	1.	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.05	.02	1.	28 FEB 2300	89	.02	.00	.02	1.

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28 FEB 1100   41    .07    .05    .03      1.     *     28 FEB 2315   90    .02    .00    .02      1.
28 FEB 1115   42    .08    .05    .03      1.     *     28 FEB 2330   91    .02    .00    .02      1.
28 FEB 1130   43    .09    .05    .04      1.     *     28 FEB 2345   92    .02    .00    .02      1.
28 FEB 1145   44    .09    .05    .04      1.     *      1 MAR 0000   93    .02    .00    .02      1.
28 FEB 1200   45    .10    .06    .05      1.     *      1 MAR 0015   94    .02    .00    .02      1.
28 FEB 1215   46    .17    .09    .08      2.     *      1 MAR 0030   95    .02    .00    .02      1.
28 FEB 1230   47    .21    .10    .11      2.     *      1 MAR 0045   96    .02    .00    .02      1.
28 FEB 1245   48    .27    .11    .16      4.     *      1 MAR 0100   97    .02    .00    .01      1.
28 FEB 1300   49    .59    .20    .39      6.     *
                                                  *
*****************************************************************************************************************

   TOTAL RAINFALL =    6.60, TOTAL LOSS =    2.49, TOTAL EXCESS =    4.11

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+     19.     12.50                  5.          2.          2.          2.
                      (INCHES)    3.258       4.077       4.077       4.077
                       (AC-FT)       3.          3.          3.          3.

                       CUMULATIVE AREA =     .01 SQ MI


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          *            *
  KK      *    NB1CHL  *
          *            *
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 47 KO          OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL

              HYDROGRAPH ROUTING DATA

 49 RS          STORAGE ROUTING
                     NSTPS           1  NUMBER OF SUBREACHES
                      ITYP        STOR  TYPE OF INITIAL CONDITION
                    RSVRIC         .00  INITIAL CONDITION
                         X         .00 WORKING R AND D COEFFICIENT

 50 RC          NORMAL DEPTH CHANNEL ROUTING
                       ANL        .080  LEFT OVERBANK N-VALUE
                      ANCH        .030  MAIN CHANNEL N-VALUE
                       ANR        .080  RIGHT OVERBANK N-VALUE
                     RLNTH        400.  REACH LENGTH
                       SEL       .0063  ENERGY SLOPE
                     ELMAX        69.5  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                        CROSS-SECTION DATA
                          --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
  RY        ELEVATION     70.50     70.00     69.50     67.50     67.50     69.50     70.00     70.50
  RX        DISTANCE        .00      5.00     10.00     11.00     17.00     18.00     23.00     28.00

                                                  ***

                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA
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STORAGE	.00	.01	.01	.02	.02	.03	.04	.04	.05	.06
OUTFLOW	.00	.55	1.72	3.36	5.38	7.74	10.40	13.36	16.58	20.05
ELEVATION	67.50	67.61	67.71	67.82	67.92	68.03	68.13	68.24	68.34	68.45

STORAGE	.06	.07	.08	.08	.09	.10	.11	.11	.12	.13
OUTFLOW	23.77	27.72	31.90	36.29	40.89	45.71	50.73	55.95	61.36	66.98
ELEVATION	68.55	68.66	68.76	68.87	68.97	69.08	69.18	69.29	69.39	69.50

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 1. TO 67.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION NB1CHL

****

DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.0	67.5	28 FEB 0915	34	0.	.0	67.5	28 FEB 1730	67	188.	.3	71.8
28 FEB 0115	2	0.	.0	67.5	28 FEB 0930	35	1.	.0	67.6	28 FEB 1745	68	186.	.3	71.7
28 FEB 0130	3	0.	.0	67.5	28 FEB 0945	36	2.	.0	67.7	28 FEB 1800	69	184.	.3	71.7
28 FEB 0145	4	0.	.0	67.5	28 FEB 1000	37	3.	.0	67.8	28 FEB 1815	70	182.	.3	71.6
28 FEB 0200	5	0.	.0	67.5	28 FEB 1015	38	5.	.0	67.9	28 FEB 1830	71	179.	.3	71.6
28 FEB 0215	6	0.	.0	67.5	28 FEB 1030	39	8.	.0	68.0	28 FEB 1845	72	176.	.3	71.5
28 FEB 0230	7	0.	.0	67.5	28 FEB 1045	40	10.	.0	68.1	28 FEB 1900	73	171.	.3	71.5
28 FEB 0245	8	0.	.0	67.5	28 FEB 1100	41	14.	.0	68.3	28 FEB 1915	74	168.	.3	71.4
28 FEB 0300	9	0.	.0	67.5	28 FEB 1115	42	18.	.1	68.4	28 FEB 1930	75	161.	.3	71.3
28 FEB 0315	10	0.	.0	67.5	28 FEB 1130	43	22.	.1	68.5	28 FEB 1945	76	153.	.2	71.1
28 FEB 0330	11	0.	.0	67.5	28 FEB 1145	44	28.	.1	68.7	28 FEB 2000	77	143.	.2	70
28 FEB 0345	12	0.	.0	67.5	28 FEB 1200	45	34.	.1	68.8	28 FEB 2015	78	130.	.2	70
28 FEB 0400	13	0.	.0	67.5	28 FEB 1215	46	44.	.1	69.0	28 FEB 2030	79	104.	.2	70.2
28 FEB 0415	14	0.	.0	67.5	28 FEB 1230	47	62.	.1	69.4	28 FEB 2045	80	62.	.1	69.4
28 FEB 0430	15	0.	.0	67.5	28 FEB 1245	48	89.	.2	69.9	28 FEB 2100	81	54.	.1	69.2
28 FEB 0445	16	0.	.0	67.5	28 FEB 1300	49	142.	.2	70.9	28 FEB 2115	82	56.	.1	69.3
28 FEB 0500	17	0.	.0	67.5	28 FEB 1315	50	202.	.3	72.0	28 FEB 2130	83	52.	.1	69.2
28 FEB 0515	18	0.	.0	67.5	28 FEB 1330	51	259.	.4	73.1	28 FEB 2145	84	53.	.1	69.2
28 FEB 0530	19	0.	.0	67.5	28 FEB 1345	52	265.	.4	73.2	28 FEB 2200	85	50.	.1	69.2
28 FEB 0545	20	0.	.0	67.5	28 FEB 1400	53	238.	.4	72.7	28 FEB 2215	86	50.	.1	69.2
28 FEB 0600	21	0.	.0	67.5	28 FEB 1415	54	227.	.3	72.5	28 FEB 2230	87	49.	.1	69.2
28 FEB 0615	22	0.	.0	67.5	28 FEB 1430	55	214.	.3	72.2	28 FEB 2245	88	49.	.1	69.2
28 FEB 0630	23	0.	.0	67.5	28 FEB 1445	56	208.	.3	72.1	28 FEB 2300	89	47.	.1	69.1
28 FEB 0645	24	0.	.0	67.5	28 FEB 1500	57	203.	.3	72.0	28 FEB 2315	90	48.	.1	69.1
28 FEB 0700	25	0.	.0	67.5	28 FEB 1515	58	201.	.3	72.0	28 FEB 2330	91	47.	.1	69.1
28 FEB 0715	26	0.	.0	67.5	28 FEB 1530	59	199.	.3	72.0	28 FEB 2345	92	46.	.1	69.1
28 FEB 0730	27	0.	.0	67.5	28 FEB 1545	60	198.	.3	72.0	1 MAR 0000	93	46.	.1	69.1
28 FEB 0745	28	0.	.0	67.5	28 FEB 1600	61	196.	.3	71.9	1 MAR 0015	94	45.	.1	69.1
28 FEB 0800	29	0.	.0	67.5	28 FEB 1615	62	195.	.3	71.9	1 MAR 0030	95	44.	.1	69.1
28 FEB 0815	30	0.	.0	67.5	28 FEB 1630	63	193.	.3	71.9	1 MAR 0045	96	44.	.1	69.0
28 FEB 0830	31	0.	.0	67.5	28 FEB 1645	64	192.	.3	71.8	1 MAR 0100	97	43.	.1	69.0
28 FEB 0845	32	0.	.0	67.5	28 FEB 1700	65	190.	.3	71.8					
28 FEB 0900	33	0.	.0	67.5	28 FEB 1715	66	189.	.3	71.8					

****

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
+ 265.	12.75		201.	73.	73.	73.
		(INCHES)	1.839	2.686	2.686	2.686
		(AC-FT)	100.	145.	145.	145.

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PEAK STORAGE   TIME                          MAXIMUM AVERAGE STORAGE
                                      6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)     (HR)
       0.     12.75                    0.          0.          0.          0.

   AK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                      6-HR       24-HR       72-HR     24.00-HR
+   (FEET)     (HR)
    73.20     12.75                  72.01       69.32       69.32       69.32

                        CUMULATIVE AREA =    1.01 SQ MI


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            **************
            *            *
  53 KK     *      NB2   *
            *            *
            **************

  54 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

     BA          SUBBASIN CHARACTERISTICS
                       TAREA         .01  SUBBASIN AREA

                 PRECIPITATION DATA

  57 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .01

  58 LS          SCS LOSS RATE
                       STRTL         .86  INITIAL ABSTRACTION
                      CRVNBR       70.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

  59 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .49  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                 12 END-OF-PERIOD ORDINATES
                 2.        7.        7.        4.        2.        1.        1.        0.        0.        0.
                 0.        0.

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                                                HYDROGRAPH AT STATION      NB2

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.
28 FEB 0115	2	.02	.02	.00	0.
28 FEB 0130	3	.02	.02	.00	0.
28 FEB 0145	4	.02	.02	.00	0.
28 FEB 0200	5	.02	.02	.00	0.
28 FEB 0215	6	.02	.02	.00	0.
28 FEB 0230	7	.02	.02	.00	0.
28 FEB 0245	8	.02	.02	.00	0.
28 FEB 0300	9	.02	.02	.00	0.
28 FEB 0315	10	.02	.02	.00	0.
28 FEB 0330	11	.02	.02	.00	0.
28 FEB 0345	12	.02	.02	.00	0.
28 FEB 0400	13	.02	.02	.00	0.
28 FEB 0415	14	.02	.02	.00	0.
28 FEB 0430	15	.02	.02	.00	0.
28 FEB 0445	16	.02	.02	.00	0.
28 FEB 0500	17	.02	.02	.00	0.
28 FEB 0515	18	.02	.02	.00	0.
28 FEB 0530	19	.02	.02	.00	0.
28 FEB 0545	20	.02	.02	.00	0.
28 FEB 0600	21	.02	.02	.00	0.
28 FEB 0615	22	.02	.02	.00	0.
28 FEB 0630	23	.03	.03	.00	0.
28 FEB 0645	24	.03	.03	.00	0.
28 FEB 0700	25	.03	.03	.00	0.
28 FEB 0715	26	.03	.03	.00	0.
28 FEB 0730	27	.03	.03	.00	0.
28 FEB 0745	28	.04	.04	.00	0.
28 FEB 0800	29	.04	.04	.00	0.
28 FEB 0815	30	.04	.04	.00	0.
28 FEB 0830	31	.04	.04	.00	0.
28 FEB 0845	32	.04	.04	.00	0.
28 FEB 0900	33	.04	.04	.00	0.
28 FEB 0915	34	.04	.04	.00	0.
28 FEB 0930	35	.05	.05	.00	0.
28 FEB 0945	36	.05	.05	.00	0.
28 FEB 1000	37	.05	.05	.00	0.
28 FEB 1015	38	.06	.06	.00	0.
28 FEB 1030	39	.06	.06	.01	0.
28 FEB 1045	40	.07	.06	.01	0.
28 FEB 1100	41	.07	.06	.01	0.
28 FEB 1115	42	.08	.07	.01	0.
28 FEB 1130	43	.09	.07	.02	0.
28 FEB 1145	44	.09	.07	.02	0.
28 FEB 1200	45	.10	.08	.03	0.
28 FEB 1215	46	.17	.12	.05	1.
28 FEB 1230	47	.21	.13	.07	1.
28 FEB 1245	48	.27	.16	.11	1.
28 FEB 1300	49	.59	.30	.29	2.
28 FEB 1315	50	1.30	.50	.80	5.
28 FEB 1330	51	.34	.10	.23	8.
28 FEB 1345	52	.23	.07	.17	9.
28 FEB 1400	53	.19	.05	.14	7.
28 FEB 1415	54	.11	.03	.08	5.
28 FEB 1430	55	.10	.02	.07	4.
28 FEB 1445	56	.09	.02	.07	3.
28 FEB 1500	57	.09	.02	.06	2.
28 FEB 1515	58	.08	.02	.06	2.
28 FEB 1530	59	.07	.02	.06	2.
28 FEB 1545	60	.07	.02	.05	1.
28 FEB 1600	61	.06	.01	.05	1.
28 FEB 1615	62	.05	.01	.04	1.
28 FEB 1630	63	.05	.01	.04	1.
28 FEB 1645	64	.05	.01	.04	1.
28 FEB 1700	65	.05	.01	.04	1.
28 FEB 1715	66	.04	.01	.03	1.
28 FEB 1730	67	.04	.01	.03	1.
28 FEB 1745	68	.04	.01	.03	1.
28 FEB 1800	69	.04	.01	.03	1.
28 FEB 1815	70	.04	.01	.03	1.
28 FEB 1830	71	.04	.01	.03	1.
28 FEB 1845	72	.03	.01	.03	1.
28 FEB 1900	73	.03	.01	.03	1.
28 FEB 1915	74	.03	.01	.02	1.
28 FEB 1930	75	.03	.01	.02	1.
28 FEB 1945	76	.03	.01	.02	1.
28 FEB 2000	77	.03	.00	.02	1.
28 FEB 2015	78	.02	.00	.02	0.
28 FEB 2030	79	.02	.00	.02	0.
28 FEB 2045	80	.02	.00	.02	0.
28 FEB 2100	81	.02	.00	.02	0.
28 FEB 2115	82	.02	.00	.02	0.
28 FEB 2130	83	.02	.00	.02	0.
28 FEB 2145	84	.02	.00	.02	0.
28 FEB 2200	85	.02	.00	.02	0.
28 FEB 2215	86	.02	.00	.02	0.
28 FEB 2230	87	.02	.00	.02	0.
28 FEB 2245	88	.02	.00	.02	0.
28 FEB 2300	89	.02	.00	.02	0.
28 FEB 2315	90	.02	.00	.02	0.
28 FEB 2330	91	.02	.00	.01	0.
28 FEB 2345	92	.02	.00	.01	0.
1 MAR 0000	93	.02	.00	.01	0.
1 MAR 0015	94	.02	.00	.01	0.
1 MAR 0030	95	.02	.00	.01	0.
1 MAR 0045	96	.02	.00	.01	0.
1 MAR 0100	97	.02	.00	.01	0.

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 3.31, TOTAL EXCESS = 3.29

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+		(CFS)				
+ 9.	12.75		3.	1.	1.	1.
		(INCHES)	2.636	3.251	3.251	3.251
		(AC-FT)	1.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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          *            *
63 KK     *   NB2CHL   *
          *            *
          **************

64 KO          OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH NORTH BRANCH CHANNEL

            HYDROGRAPH ROUTING DATA

66 RS          STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       STOR  TYPE OF INITIAL CONDITION
                    RSVRIC        .00  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

67 RC          NORMAL DEPTH CHANNEL ROUTING
                       ANL       .080  LEFT OVERBANK N-VALUE
                      ANCH       .030  MAIN CHANNEL N-VALUE
                       ANR       .080  RIGHT OVERBANK N-VALUE
                     RLNTH       500.  REACH LENGTH
                       SEL      .0030  ENERGY SLOPE
                     ELMAX       66.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                   CROSS-SECTION DATA
                        --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
69 RY        ELEVATION    67.00    66.50    66.00    64.00    64.00    66.00    66.50    67.00
68 RX        DISTANCE       .00     5.00    10.00    11.00    17.00    18.00    23.00    28.00

                                                  ***

                                   COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      .01      .01      .02      .03      .04      .05      .05      .06      .07
          OUTFLOW       .00      .38     1.19     2.32     3.71     5.34     7.18     9.22    11.44    13.84
        ELEVATION     64.00    64.11    64.21    64.32    64.42    64.53    64.63    64.74    64.84    64.95

          STORAGE       .08      .09      .10      .10      .11      .12      .13      .14      .15      .16
          OUTFLOW     16.40    19.13    22.01    25.04    28.22    31.54    35.00    38.61    42.34    46.22
        ELEVATION     65.05    65.16    65.26    65.37    65.47    65.58    65.68    65.79    65.89    66.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO       46.
                THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
                THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

*****************************************************************************************************************************

                                   HYDROGRAPH AT STATION   NB2CHL

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                                      *                                      *
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                      *                                      *
28 FEB 0100   1      0.       .0    64.0 * 28 FEB 0915  34      0.       .0    64.0 * 28 FEB 1730  67     189.       .5    69.9
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28 FEB 0115	2	0.	.0	64.0 *	28 FEB 0930	35	0.	.0	64.1 *	28 FEB 1745	68	187.	.5	69.8
28 FEB 0130	3	0.	.0	64.0 *	28 FEB 0945	36	2.	.0	64.2 *	28 FEB 1800	69	185.	.5	69.8
28 FEB 0145	4	0.	.0	64.0 *	28 FEB 1000	37	3.	.0	64.4 *	28 FEB 1815	70	183.	.5	69.7
28 FEB 0200	5	0.	.0	64.0 *	28 FEB 1015	38	5.	.0	64.5 *	28 FEB 1830	71	180.	.5	69.[illegible]
28 FEB 0215	6	0.	.0	64.0 *	28 FEB 1030	39	7.	.0	64.6 *	28 FEB 1845	72	177.	.5	6[illegible]
28 FEB 0230	7	0.	.0	64.0 *	28 FEB 1045	40	10.	.1	64.8 *	28 FEB 1900	73	173.	.5	69.[illegible]
28 FEB 0245	8	0.	.0	64.0 *	28 FEB 1100	41	13.	.1	64.9 *	28 FEB 1915	74	169.	.5	69.3
28 FEB 0300	9	0.	.0	64.0 *	28 FEB 1115	42	17.	.1	65.1 *	28 FEB 1930	75	162.	.4	69.2
28 FEB 0315	10	0.	.0	64.0 *	28 FEB 1130	43	22.	.1	65.3 *	28 FEB 1945	76	155.	.4	68.9
28 FEB 0330	11	0.	.0	64.0 *	28 FEB 1145	44	27.	.1	65.4 *	28 FEB 2000	77	145.	.4	68.7
28 FEB 0345	12	0.	.0	64.0 *	28 FEB 1200	45	33.	.1	65.6 *	28 FEB 2015	78	132.	.4	68.3
28 FEB 0400	13	0.	.0	64.0 *	28 FEB 1215	46	43.	.2	65.9 *	28 FEB 2030	79	109.	.3	67.7
28 FEB 0415	14	0.	.0	64.0 *	28 FEB 1230	47	60.	.2	66.4 *	28 FEB 2045	80	68.	.2	66.6
28 FEB 0430	15	0.	.0	64.0 *	28 FEB 1245	48	86.	.3	67.1 *	28 FEB 2100	81	52.	.2	66.2
28 FEB 0445	16	0.	.0	64.0 *	28 FEB 1300	49	136.	.4	68.4 *	28 FEB 2115	82	58.	.2	66.3
28 FEB 0500	17	0.	.0	64.0 *	28 FEB 1315	50	200.	.5	70.2 *	28 FEB 2130	83	53.	.2	66.2
28 FEB 0515	18	0.	.0	64.0 *	28 FEB 1330	51	260.	.7	71.8 *	28 FEB 2145	84	53.	.2	66.2
28 FEB 0530	19	0.	.0	64.0 *	28 FEB 1345	52	276.	.7	72.3 *	28 FEB 2200	85	51.	.2	66.1
28 FEB 0545	20	0.	.0	64.0 *	28 FEB 1400	53	249.	.7	71.5 *	28 FEB 2215	86	50.	.2	66.1
28 FEB 0600	21	0.	.0	64.0 *	28 FEB 1415	54	232.	.6	71.1 *	28 FEB 2230	87	50.	.2	66.1
28 FEB 0615	22	0.	.0	64.0 *	28 FEB 1430	55	220.	.6	70.7 *	28 FEB 2245	88	49.	.2	66.1
28 FEB 0630	23	0.	.0	64.0 *	28 FEB 1445	56	210.	.6	70.5 *	28 FEB 2300	89	48.	.2	66.1
28 FEB 0645	24	0.	.0	64.0 *	28 FEB 1500	57	206.	.6	70.3 *	28 FEB 2315	90	48.	.2	66.0
28 FEB 0700	25	0.	.0	64.0 *	28 FEB 1515	58	202.	.5	70.2 *	28 FEB 2330	91	47.	.2	66.0
28 FEB 0715	26	0.	.0	64.0 *	28 FEB 1530	59	201.	.5	70.2 *	28 FEB 2345	92	46.	.2	66.0
28 FEB 0730	27	0.	.0	64.0 *	28 FEB 1545	60	199.	.5	70.2 *	1 MAR 0000	93	46.	.2	66.0
28 FEB 0745	28	0.	.0	64.0 *	28 FEB 1600	61	198.	.5	70.1 *	1 MAR 0015	94	45.	.2	66.0
28 FEB 0800	29	0.	.0	64.0 *	28 FEB 1615	62	196.	.5	70.1 *	1 MAR 0030	95	45.	.2	66.0
28 FEB 0815	30	0.	.0	64.0 *	28 FEB 1630	63	194.	.5	70.0 *	1 MAR 0045	96	44.	.2	65.9
28 FEB 0830	31	0.	.0	64.0 *	28 FEB 1645	64	193.	.5	70.0 *	1 MAR 0100	97	44.	.2	65.9
28 FEB 0845	32	0.	.0	64.0 *	28 FEB 1700	65	191.	.5	69.9 *					
28 FEB 0900	33	0.	.0	64.0 *	28 FEB 1715	66	190.	.5	69.9 *					
				*					*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 276.	12.75		203.	74.	74.	74.
		(INCHES)	1.845	2.688	2.688	2.688
		(AC-FT)	101.	147.	147.	147.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	12.75	1.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
72.25	12.75	70.26	66.46	66.46	66.46

CUMULATIVE AREA = 1.02 SQ MI

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              **************
              *            *
   70 KK      *     N83    *
              *            *
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71 KO        OUTPUT CONTROL VARIABLES
                  IPRNT          1  PRINT CONTROL
                  IPLOT          0  PLOT CONTROL
                  QSCAL         0.  HYDROGRAPH PLOT SCALE
                           SCS RUNOFF CALCULATION

           SUBBASIN RUNOFF DATA

73 BA        SUBBASIN CHARACTERISTICS
                  TAREA        .00  SUBBASIN AREA

             PRECIPITATION DATA

74 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
             ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
             5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
               .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                STORM AREA =      .00

75 LS        SCS LOSS RATE
                  STRTL         .86  INITIAL ABSTRACTION
                 CRVNBR       70.00  CURVE NUMBER
                  RTIMP         .00  PERCENT IMPERVIOUS AREA

76 UD        SCS DIMENSIONLESS UNITGRAPH
                   TLAG         .34  LAG

                                                    ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                  UNIT HYDROGRAPH
                                              9 END-OF-PERIOD ORDINATES
             2.       4.       2.       1.       0.       0.       0.       0.       0.

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                                          HYDROGRAPH AT STATION      NB3

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                                                                  *
     DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q         *     DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
     28 FEB 0100    1     .00     .00     .00         0.         *     28 FEB 1315   50    1.30     .50     .80         3.
     28 FEB 0115    2     .02     .02     .00         0.         *     28 FEB 1330   51     .34     .10     .23         5.
     28 FEB 0130    3     .02     .02     .00         0.         *     28 FEB 1345   52     .23     .07     .17         4.
     28 FEB 0145    4     .02     .02     .00         0.         *     28 FEB 1400   53     .19     .05     .14         2.
     28 FEB 0200    5     .02     .02     .00         0.         *     28 FEB 1415   54     .11     .03     .08         2.
     28 FEB 0215    6     .02     .02     .00         0.         *     28 FEB 1430   55     .10     .02     .07         1.
     28 FEB 0230    7     .02     .02     .00         0.         *     28 FEB 1445   56     .09     .02     .07         1.
     28 FEB 0245    8     .02     .02     .00         0.         *     28 FEB 1500   57     .09     .02     .06         1.
     28 FEB 0300    9     .02     .02     .00         0.         *     28 FEB 1515   58     .08     .02     .06         1.
     28 FEB 0315   10     .02     .02     .00         0.         *     28 FEB 1530   59     .07     .02     .06         1.
     28 FEB 0330   11     .02     .02     .00         0.         *     28 FEB 1545   60     .07     .02     .05         1.
     28 FEB 0345   12     .02     .02     .00         0.         *     28 FEB 1600   61     .06     .01     .05         1.
     28 FEB 0400   13     .02     .02     .00         0.         *     28 FEB 1615   62     .05     .01     .04         1.
     28 FEB 0415   14     .02     .02     .00         0.         *     28 FEB 1630   63     .05     .01     .04         0.
     28 FEB 0430   15     .02     .02     .00         0.         *     28 FEB 1645   64     .05     .01     .04         0.
     28 FEB 0445   16     .02     .02     .00         0.         *     28 FEB 1700   65     .05     .01     .04         0.
     28 FEB 0500   17     .02     .02     .00         0.         *     28 FEB 1715   66     .04     .01     .03         0.
     28 FEB 0515   18     .02     .02     .00         0.         *     28 FEB 1730   67     .04     .01     .03         0.
     28 FEB 0530   19     .02     .02     .00         0.         *     28 FEB 1745   68     .04     .01     .03         0.
     28 FEB 0545   20     .02     .02     .00         0.         *     28 FEB 1800   69     .04     .01     .03         0.
     28 FEB 0600   21     .02     .02     .00         0.         *     28 FEB 1815   70     .04     .01     .03         0.
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28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	0.
28 FEB 0630	23	.03	.03	.00	0.	*	28 FEB 1845	72	.03	.01	.03	0.
28 FEB 0645	24	.03	.03	.00	0.	*	28 FEB 1900	73	.03	.01	.03	0.
28 FEB 0700	25	.03	.03	.00	0.	*	28 FEB 1915	74	.03	.01	.02	0.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.01	.02	0.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.03	.01	.02	0.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.03	.00	.02	0.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.02	0.
28 FEB 0930	35	.05	.05	.00	0.	*	28 FEB 2145	84	.02	.00	.02	0.
28 FEB 0945	36	.05	.05	.00	0.	*	28 FEB 2200	85	.02	.00	.02	0.
28 FEB 1000	37	.05	.05	.00	0.	*	28 FEB 2215	86	.02	.00	.02	0.
28 FEB 1015	38	.06	.06	.00	0.	*	28 FEB 2230	87	.02	.00	.02	0.
28 FEB 1030	39	.06	.06	.01	0.	*	28 FEB 2245	88	.02	.00	.02	0.
28 FEB 1045	40	.07	.06	.01	0.	*	28 FEB 2300	89	.02	.00	.02	0.
28 FEB 1100	41	.07	.06	.01	0.	*	28 FEB 2315	90	.02	.00	.02	0.
28 FEB 1115	42	.08	.07	.01	0.	*	28 FEB 2330	91	.02	.00	.01	0.
28 FEB 1130	43	.09	.07	.02	0.	*	28 FEB 2345	92	.02	.00	.01	0.
28 FEB 1145	44	.09	.07	.02	0.	*	1 MAR 0000	93	.02	.00	.01	0.
28 FEB 1200	45	.10	.08	.03	0.	*	1 MAR 0015	94	.02	.00	.01	0.
28 FEB 1215	46	.17	.12	.05	0.	*	1 MAR 0030	95	.02	.00	.01	0.
28 FEB 1230	47	.21	.13	.07	0.	*	1 MAR 0045	96	.02	.00	.01	0.
28 FEB 1245	48	.27	.16	.11	1.	*	1 MAR 0100	97	.02	.00	.01	0.
28 FEB 1300	49	.59	.30	.29	1.	*						
						*						

****

TOTAL RAINFALL = 6.60, TOTAL LOSS = 3.31, TOTAL EXCESS = 3.29

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 5.	12.50		1.	0.	0.	0.
		(INCHES)	2.642	3.262	3.262	3.262
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .00 SQ MI

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          **************
          *            *
77 KK     *   NB3CHL   *
          *            *
          **************
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78 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

STORAGE ROUTING THROUGH RTE 93 E/W CHANNEL

HYDROGRAPH ROUTING DATA

80 RS STORAGE ROUTING

NSTPS	1	NUMBER OF SUBREACHES
ITYP	STOR	TYPE OF INITIAL CONDITION

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                RSVRIC        .00  INITIAL CONDITION
                     X        .00 WORKING R AND D COEFFICIENT

 81 RC      NORMAL DEPTH CHANNEL ROUTING
                   ANL       .080  LEFT OVERBANK N-VALUE
                  ANCH       .030  MAIN CHANNEL N-VALUE
                   ANR       .080  RIGHT OVERBANK N-VALUE
                 RLNTH       430.  REACH LENGTH
                   SEL      .0070  ENERGY SLOPE
                 ELMAX       67.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                   CROSS-SECTION DATA
                      --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
 83 RY     ELEVATION   68.00   67.50   67.00   66.00   66.00   67.00   67.50   68.00
 82 RX     DISTANCE      .00    5.00   10.00   11.00   14.00   15.00   20.00   25.00

                                                  ***

                                   COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE     .00     .00     .00     .00     .01     .01     .01     .01     .01     .02
        OUTFLOW     .00     .09     .29     .57     .92    1.34    1.81    2.35    2.94    3.58
      ELEVATION   66.00   66.05   66.11   66.16   66.21   66.26   66.32   66.37   66.42   66.47

        STORAGE     .02     .02     .02     .02     .03     .03     .03     .03     .04     .04
        OUTFLOW    4.28    5.03    5.84    6.69    7.60    8.56    9.58   10.64   11.76   12.93
      ELEVATION   66.53   66.58   66.63   66.68   66.74   66.79   66.84   66.89   66.95   67.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO       13.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                   HYDROGRAPH AT STATION   NB3CHL

*****************************************************************************************************************************
                                     *                                     *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                     *                                     *
 28 FEB 0100  1      0.       .0    66.0 * 28 FEB 0915  34      0.       .0    66.0 * 28 FEB 1730  67      0.       .0    66.1
 28 FEB 0115  2      0.       .0    66.0 * 28 FEB 0930  35      0.       .0    66.0 * 28 FEB 1745  68      0.       .0    66.1
 28 FEB 0130  3      0.       .0    66.0 * 28 FEB 0945  36      0.       .0    66.0 * 28 FEB 1800  69      0.       .0    66.1
 28 FEB 0145  4      0.       .0    66.0 * 28 FEB 1000  37      0.       .0    66.0 * 28 FEB 1815  70      0.       .0    66.1
 28 FEB 0200  5      0.       .0    66.0 * 28 FEB 1015  38      0.       .0    66.0 * 28 FEB 1830  71      0.       .0    66.1
 28 FEB 0215  6      0.       .0    66.0 * 28 FEB 1030  39      0.       .0    66.0 * 28 FEB 1845  72      0.       .0    66.1
 28 FEB 0230  7      0.       .0    66.0 * 28 FEB 1045  40      0.       .0    66.0 * 28 FEB 1900  73      0.       .0    66.1
 28 FEB 0245  8      0.       .0    66.0 * 28 FEB 1100  41      0.       .0    66.0 * 28 FEB 1915  74      0.       .0    66.1
 28 FEB 0300  9      0.       .0    66.0 * 28 FEB 1115  42      0.       .0    66.1 * 28 FEB 1930  75      0.       .0    66.1
 28 FEB 0315 10      0.       .0    66.0 * 28 FEB 1130  43      0.       .0    66.1 * 28 FEB 1945  76      0.       .0    66.1
 28 FEB 0330 11      0.       .0    66.0 * 28 FEB 1145  44      0.       .0    66.1 * 28 FEB 2000  77      0.       .0    66.1
 28 FEB 0345 12      0.       .0    66.0 * 28 FEB 1200  45      0.       .0    66.1 * 28 FEB 2015  78      0.       .0    66.1
 28 FEB 0400 13      0.       .0    66.0 * 28 FEB 1215  46      0.       .0    66.1 * 28 FEB 2030  79      0.       .0    66.1
 28 FEB 0415 14      0.       .0    66.0 * 28 FEB 1230  47      0.       .0    66.1 * 28 FEB 2045  80      0.       .0    66.1
 28 FEB 0430 15      0.       .0    66.0 * 28 FEB 1245  48      1.       .0    66.2 * 28 FEB 2100  81      0.       .0    66.1
 28 FEB 0445 16      0.       .0    66.0 * 28 FEB 1300  49      1.       .0    66.2 * 28 FEB 2115  82      0.       .0    66.1
 28 FEB 0500 17      0.       .0    66.0 * 28 FEB 1315  50      3.       .0    66.4 * 28 FEB 2130  83      0.       .0    66.1
 28 FEB 0515 18      0.       .0    66.0 * 28 FEB 1330  51      5.       .0    66.5 * 28 FEB 2145  84      0.       .0    66.1
 28 FEB 0530 19      0.       .0    66.0 * 28 FEB 1345  52      4.       .0    66.5 * 28 FEB 2200  85      0.       .0    66.1
 28 FEB 0545 20      0.       .0    66.0 * 28 FEB 1400  53      3.       .0    66.4 * 28 FEB 2215  86      0.       .0    66.1
 28 FEB 0600 21      0.       .0    66.0 * 28 FEB 1415  54      2.       .0    66.3 * 28 FEB 2230  87      0.       .0    66.1
 28 FEB 0615 22      0.       .0    66.0 * 28 FEB 1430  55      1.       .0    66.3 * 28 FEB 2245  88      0.       .0    66.1
 28 FEB 0630 23      0.       .0    66.0 * 28 FEB 1445  56      1.       .0    66.2 * 28 FEB 2300  89      0.       .0    66.1
 28 FEB 0645 24      0.       .0    66.0 * 28 FEB 1500  57      1.       .0    66.2 * 28 FEB 2315  90      0.       .0    66.1
 28 FEB 0700 25      0.       .0    66.0 * 28 FEB 1515  58      1.       .0    66.2 * 28 FEB 2330  91      0.       .0    66.1
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28 FEB 0715  26      0.      .0    66.0 * 28 FEB 1530  59      1.      .0    66.2 * 28 FEB 2345  92      0.      .0    66.1
28 FEB 0730  27      0.      .0    66.0 * 28 FEB 1545  60      1.      .0    66.2 *  1 MAR 0000  93      0.      .0    66.1
28 FEB 0745  28      0.      .0    66.0 * 28 FEB 1600  61      1.      .0    66.2 *  1 MAR 0015  94      0.      .0    66.1
28 FEB 0800  29      0.      .0    66.0 * 28 FEB 1615  62      1.      .0    66.1 *  1 MAR 0030  95      0.      .0    66.1
28 FEB 0815  30      0.      .0    66.0 * 28 FEB 1630  63      0.      .0    66.1 *  1 MAR 0045  96      0.      .0    66
28 FEB 0830  31      0.      .0    66.0 * 28 FEB 1645  64      0.      .0    66.1 *  1 MAR 0100  97      0.      .0    6
28 FEB 0845  32      0.      .0    66.0 * 28 FEB 1700  65      0.      .0    66.1 *
28 FEB 0900  33      0.      .0    66.0 * 28 FEB 1715  66      0.      .0    66.1 *
                                        *                                          *
*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+      5.     12.50                   1.          0.          0.          0.
                       (INCHES)     2.640       3.253       3.253       3.253
                        (AC-FT)       1.          1.          1.          1.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       0.     12.50                   0.          0.          0.          0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    66.55     12.50                 66.22       66.08       66.08       66.08

                       CUMULATIVE AREA =     .00 SQ MI


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           *            *
  84 KK    *      NB5   *
           *            *
           **************

  85 KO         OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

  87 BA         SUBBASIN CHARACTERISTICS
                      TAREA         .02  SUBBASIN AREA

                PRECIPITATION DATA

  88 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .02

  89 LS         SCS LOSS RATE
                      STRTL         .53  INITIAL ABSTRACTION
                     CRVNBR       79.00  CURVE NUMBER
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RTIMP .00 PERCENT IMPERVIOUS AREA

90 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .32 LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES

11. 18. 9. 4. 1. 1. 0. 0.

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HYDROGRAPH AT STATION NB5

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.29	1.01	20.
28 FEB 0115	2	.02	.02	.00	0.	28 FEB 1330	51	.34	.06	.28	26.
28 FEB 0130	3	.02	.02	.00	0.	28 FEB 1345	52	.23	.04	.20	18.
28 FEB 0145	4	.02	.02	.00	0.	28 FEB 1400	53	.19	.03	.16	12.
28 FEB 0200	5	.02	.02	.00	0.	28 FEB 1415	54	.11	.02	.10	8.
28 FEB 0215	6	.02	.02	.00	0.	28 FEB 1430	55	.10	.01	.08	6.
28 FEB 0230	7	.02	.02	.00	0.	28 FEB 1445	56	.09	.01	.08	5.
28 FEB 0245	8	.02	.02	.00	0.	28 FEB 1500	57	.09	.01	.07	4.
28 FEB 0300	9	.02	.02	.00	0.	28 FEB 1515	58	.08	.01	.07	3.
28 FEB 0315	10	.02	.02	.00	0.	28 FEB 1530	59	.07	.01	.06	3.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.07	.01	.06	3.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.01	.06	3.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.01	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.01	.04	2.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.01	.04	2.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.01	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.03	2.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.03	2.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.03	.00	0.	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.03	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.03	.00	0.	28 FEB 1915	74	.03	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.03	.00	0.	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.03	.00	0.	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.00	0.	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.01	0.	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.01	0.	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.01	0.	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.04	.01	0.	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.04	.01	0.	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.04	.02	1.	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.04	.02	1.	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.05	.02	1.	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.05	.03	1.	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.05	.03	1.	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.05	.04	1.	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.05	.04	2.	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.05	.05	2.	1 MAR 0015	94	.02	.00	.02	1.

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28 FEB 1215   46    .17    .08    .09      2.     *     1 MAR 0030   95    .02    .00    .02      1.
28 FEB 1230   47    .21    .09    .12      4.     *     1 MAR 0045   96    .02    .00    .02      1.
28 FEB 1245   48    .28    .11    .17      5.     *     1 MAR 0100   97    .02    .00    .01      1.
28 FEB 1300   49    .59    .19    .40      9.     *
                                                *
*****************************************************************************************************************

   TOTAL RAINFALL =    6.60, TOTAL LOSS =    2.38, TOTAL EXCESS =    4.22

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+     26.     12.50                   6.          2.          2.          2.
                       (INCHES)    3.337       4.192       4.192       4.192
                        (AC-FT)      3.          4.          4.          4.

                       CUMULATIVE AREA =     .02 SQ MI


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          *            *
  91 KK   *    NB5SWP  *
          *            *
          **************

  92 KO        OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              ROUTING THROUGH WETLAND 3B

             HYDROGRAPH ROUTING DATA

  94 RS        STORAGE ROUTING
                     NSTPS           1  NUMBER OF SUBREACHES
                      ITYP        ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC       67.20  INITIAL CONDITION
                         X         .00 WORKING R AND D COEFFICIENT

  95 SA            AREA         1.1       1.6       3.7

  96 SE        ELEVATION      66.50     67.20     68.20

  97 SS        SPILLWAY
                      CREL      68.10  SPILLWAY CREST ELEVATION
                     SPWID      30.00  SPILLWAY WIDTH
                      COQW       3.00  WEIR COEFFICIENT
                      EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .93      3.51
        ELEVATION      66.50     67.20     68.20

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00       .00       .00       .01       .03       .06       .11       .17       .25
        ELEVATION      66.50     68.10     68.10     68.10     68.10     68.10     68.11     68.11     68.12     68.12
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OUTFLOW	.36	.49	.65	.84	1.07	1.34	1.65	2.00	2.40	2.85
ELEVATION	68.13	68.13	68.14	68.14	68.15	68.16	68.17	68.18	68.19	68.20

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.93	3.15	3.19	3.24	3.29	3.34	3.40	3.47	3.51
OUTFLOW	.00	.00	.00	.11	.36	.65	1.07	1.65	2.40	2.85
ELEVATION	66.50	67.20	68.10	68.11	68.13	68.14	68.15	68.17	68.19	68.20

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HYDROGRAPH AT STATION NB5SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.9	67.2	28	FEB	0915	34	0.	.9	67.2	28	FEB	1730	67	2.	3.5	68.2
28	FEB	0115	2	0.	.9	67.2	28	FEB	0930	35	0.	1.0	67.2	28	FEB	1745	68	2.	3.4	68.2
28	FEB	0130	3	0.	.9	67.2	28	FEB	0945	36	0.	1.0	67.2	28	FEB	1800	69	2.	3.4	68.2
28	FEB	0145	4	0.	.9	67.2	28	FEB	1000	37	0.	1.0	67.2	28	FEB	1815	70	2.	3.4	68.2
28	FEB	0200	5	0.	.9	67.2	28	FEB	1015	38	0.	1.0	67.2	28	FEB	1830	71	2.	3.4	68.2
28	FEB	0215	6	0.	.9	67.2	28	FEB	1030	39	0.	1.0	67.2	28	FEB	1845	72	2.	3.4	68.2
28	FEB	0230	7	0.	.9	67.2	28	FEB	1045	40	0.	1.0	67.2	28	FEB	1900	73	2.	3.4	68.2
28	FEB	0245	8	0.	.9	67.2	28	FEB	1100	41	0.	1.0	67.2	28	FEB	1915	74	2.	3.4	68.2
28	FEB	0300	9	0.	.9	67.2	28	FEB	1115	42	0.	1.1	67.3	28	FEB	1930	75	2.	3.4	68.2
28	FEB	0315	10	0.	.9	67.2	28	FEB	1130	43	0.	1.1	67.3	28	FEB	1945	76	1.	3.4	68.2
28	FEB	0330	11	0.	.9	67.2	28	FEB	1145	44	0.	1.1	67.3	28	FEB	2000	77	1.	3.4	68.2
28	FEB	0345	12	0.	.9	67.2	28	FEB	1200	45	0.	1.1	67.3	28	FEB	2015	78	1.	3.4	68.2
[illegible]	FEB	0400	13	0.	.9	67.2	28	FEB	1215	46	0.	1.2	67.3	28	FEB	2030	79	1.	3.4	68.2
[illegible]	FEB	0415	14	0.	.9	67.2	28	FEB	1230	47	0.	1.3	67.3	28	FEB	2045	80	1.	3.4	68.2
28	FEB	0430	15	0.	.9	67.2	28	FEB	1245	48	0.	1.3	67.4	28	FEB	2100	81	1.	3.4	68.2
28	FEB	0445	16	0.	.9	67.2	28	FEB	1300	49	0.	1.5	67.4	28	FEB	2115	82	1.	3.3	68.2
28	FEB	0500	17	0.	.9	67.2	28	FEB	1315	50	0.	1.8	67.5	28	FEB	2130	83	1.	3.3	68.2
28	FEB	0515	18	0.	.9	67.2	28	FEB	1330	51	0.	2.3	67.7	28	FEB	2145	84	1.	3.3	68.2
28	FEB	0530	19	0.	.9	67.2	28	FEB	1345	52	0.	2.7	67.9	28	FEB	2200	85	1.	3.3	68.2
28	FEB	0545	20	0.	.9	67.2	28	FEB	1400	53	0.	3.0	68.0	28	FEB	2215	86	1.	3.3	68.1
28	FEB	0600	21	0.	.9	67.2	28	FEB	1415	54	0.	3.2	68.1	28	FEB	2230	87	1.	3.3	68.1
28	FEB	0615	22	0.	.9	67.2	28	FEB	1430	55	1.	3.4	68.2	28	FEB	2245	88	1.	3.3	68.1
28	FEB	0630	23	0.	.9	67.2	28	FEB	1445	56	2.	3.4	68.2	28	FEB	2300	89	1.	3.3	68.1
28	FEB	0645	24	0.	.9	67.2	28	FEB	1500	57	2.	3.5	68.2	28	FEB	2315	90	1.	3.3	68.1
28	FEB	0700	25	0.	.9	67.2	28	FEB	1515	58	3.	3.5	68.2	28	FEB	2330	91	1.	3.3	68.1
28	FEB	0715	26	0.	.9	67.2	28	FEB	1530	59	3.	3.5	68.2	28	FEB	2345	92	1.	3.3	68.1
28	FEB	0730	27	0.	.9	67.2	28	FEB	1545	60	3.	3.5	68.2	1	MAR	0000	93	1.	3.3	68.1
28	FEB	0745	28	0.	.9	67.2	28	FEB	1600	61	3.	3.5	68.2	1	MAR	0015	94	1.	3.3	68.1
28	FEB	0800	29	0.	.9	67.2	28	FEB	1615	62	3.	3.5	68.2	1	MAR	0030	95	1.	3.3	68.1
28	FEB	0815	30	0.	.9	67.2	28	FEB	1630	63	3.	3.5	68.2	1	MAR	0045	96	1.	3.3	68.1
28	FEB	0830	31	0.	.9	67.2	28	FEB	1645	64	3.	3.5	68.2	1	MAR	0100	97	1.	3.3	68.1
28	FEB	0845	32	0.	.9	67.2	28	FEB	1700	65	2.	3.5	68.2							
28	FEB	0900	33	0.	.9	67.2	28	FEB	1715	66	2.	3.5	68.2							

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
(CFS)	(HR)					
		(CFS)				
3.	14.75		2.	1.	1.	1.
		(INCHES)	1.158	1.577	1.577	1.577
		(AC-FT)	1.	1.	1.	1.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR

```
+ (AC-FT)      (HR)
      4.     14.75                    3.          2.          2.          2.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    68.20     14.75                 68.18       67.67       67.67       67.67

                       CUMULATIVE AREA =     .02 SQ MI


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           **************
           *            *
  98 KK    *      NB4   *
           *            *
           **************

  99 KO         OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 101 BA         SUBBASIN CHARACTERISTICS
                      TAREA         .04  SUBBASIN AREA

                PRECIPITATION DATA

 102 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .04

 103 LS         SCS LOSS RATE
                      STRTL         .56  INITIAL ABSTRACTION
                     CRVNBR       78.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

 104 UD         SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .45  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                      UNIT HYDROGRAPH
                                                  11 END-OF-PERIOD ORDINATES
              11.       30.       26.       13.        7.        3.        2.        1.        0.        0.
               0.

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                                                HYDROGRAPH AT STATION      NB4

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                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
```

28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.31	.99	29.
28 FEB 0115	2	.02	.02	.00	0.	*	28 FEB 1330	51	.34	.06	.28	46.
28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.04	.19	43.
28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.03	.16	31.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.02	.09	23.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.01	.08	16.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.01	.08	12.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.01	.07	10.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.01	.07	8.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.01	.06	7.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.01	.06	6.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	6.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.05	5.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	5.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	5.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	4.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	4.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	4.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	4.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	3.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.03	3.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	3.
28 FEB 0630	23	.03	.03	.00	0.	*	28 FEB 1845	72	.03	.00	.03	3.
28 FEB 0645	24	.03	.03	.00	0.	*	28 FEB 1900	73	.03	.00	.03	3.
28 FEB 0700	25	.03	.03	.00	0.	*	28 FEB 1915	74	.03	.00	.02	3.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.00	.02	3.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.03	.00	.02	2.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.03	.00	.02	2.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	2.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	2.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	2.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	2.
28 FEB 0900	33	.04	.04	.01	0.	*	28 FEB 2115	82	.02	.00	.02	2.
28 FEB 0915	34	.04	.04	.01	0.	*	28 FEB 2130	83	.02	.00	.02	2.
28 FEB 0930	35	.05	.04	.01	1.	*	28 FEB 2145	84	.02	.00	.02	2.
28 FEB 0945	36	.05	.04	.01	1.	*	28 FEB 2200	85	.02	.00	.02	2.
28 FEB 1000	37	.05	.04	.01	1.	*	28 FEB 2215	86	.02	.00	.02	2.
28 FEB 1015	38	.06	.05	.02	1.	*	28 FEB 2230	87	.02	.00	.02	2.
28 FEB 1030	39	.06	.05	.02	1.	*	28 FEB 2245	88	.02	.00	.02	2.
28 FEB 1045	40	.07	.05	.02	1.	*	28 FEB 2300	89	.02	.00	.02	2.
28 FEB 1100	41	.07	.05	.03	2.	*	28 FEB 2315	90	.02	.00	.02	2.
28 FEB 1115	42	.08	.05	.03	2.	*	28 FEB 2330	91	.02	.00	.02	2.
28 FEB 1130	43	.09	.05	.04	2.	*	28 FEB 2345	92	.02	.00	.02	2.
28 FEB 1145	44	.09	.05	.04	3.	*	1 MAR 0000	93	.02	.00	.02	2.
28 FEB 1200	45	.10	.06	.05	3.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.09	.08	4.	*	1 MAR 0030	95	.02	.00	.02	1.
28 FEB 1230	47	.21	.10	.11	6.	*	1 MAR 0045	96	.02	.00	.02	1.
28 FEB 1245	48	.28	.11	.16	8.	*	1 MAR 0100	97	.02	.00	.01	1.
28 FEB 1300	49	.59	.20	.39	14.	*						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 2.49, TOTAL EXCESS = 4.11

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 46.	12.50		13.	4.	4.	4.
		(INCHES)	3.257	4.076	4.076	4.076
		(AC-FT)	6.	8.	8.	8.

CUMULATIVE AREA = .04 SQ MI

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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

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          *            *
108 KK    *   NB4CHL   *
          *            *
          **************

109 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            STORAGE ROUTING THROUGH NORTH BRANCH TO COMMERCE WAY

            HYDROGRAPH ROUTING DATA

111 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      61.60  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

112 SA             AREA         .0       .5       .7       .9      1.3

113 SE        ELEVATION      61.60    64.00    64.50    65.00    66.00

114 SL        LOW-LEVEL OUTLET
                    ELEVL      62.60  ELEVATION AT CENTER OF OUTLET
                    CAREA       3.14  CROSS-SECTIONAL AREA
                     COQL        .60  COEFFICIENT
                     EXPL        .50  EXPONENT OF HEAD

115 SS        SPILLWAY
                     CREL      64.90  SPILLWAY CREST ELEVATION
                    SPWID        .00  SPILLWAY WIDTH
                     COQW        .00  WEIR COEFFICIENT
                     EXPW       1.50  EXPONENT OF HEAD

                                                  ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00      .41      .72     1.14     2.24
        ELEVATION     61.60    64.00    64.50    65.00    66.00

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00      .00    14.61    15.41    16.30    17.30    18.43    19.71    21.19    22.91
        ELEVATION     61.60    62.60    63.54    63.64    63.76    63.91    64.09    64.30    64.57    64.90

                                       COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      .03      .22      .25      .30      .37      .41      .46      .59      .72
          OUTFLOW       .00      .00    14.61    15.41    16.30    17.30    17.88    18.43    19.71    20.83
        ELEVATION     61.60    62.60    63.54    63.64    63.76    63.91    64.00    64.09    64.30    64.50

          STORAGE       .77     1.05     1.14     2.24
          OUTFLOW     21.19    22.91    23.41    27.86
        ELEVATION     64.57    64.90    65.00    66.00

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HYDROGRAPH AT STATION NB4CHL

MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB	0100	1	0.	.0	61.6	28	FEB	0915	34	0.	.0	62.5	28	FEB	1730	67	178.	39.3	99.7
28 FEB	0115	2	0.	.0	61.6	28	FEB	0930	35	1.	.0	62.6	28	FEB	1745	68	179.	39.6	100.0
28 FEB	0130	3	0.	.0	61.6	28	FEB	0945	36	1.	.0	62.7	28	FEB	1800	69	180.	39.9	100.2
28 FEB	0145	4	0.	.0	61.6	28	FEB	1000	37	3.	.1	62.8	28	FEB	1815	70	181.	40.0	100.4
28 FEB	0200	5	0.	.0	61.6	28	FEB	1015	38	4.	.1	62.9	28	FEB	1830	71	181.	40.2	100.5
28 FEB	0215	6	0.	.0	61.6	28	FEB	1030	39	7.	.1	63.0	28	FEB	1845	72	182.	40.2	100.5
28 FEB	0230	7	0.	.0	61.6	28	FEB	1045	40	10.	.2	63.2	28	FEB	1900	73	181.	40.2	100.5
28 FEB	0245	8	0.	.0	61.6	28	FEB	1100	41	13.	.2	63.4	28	FEB	1915	74	181.	40.1	100.4
28 FEB	0300	9	0.	.0	61.6	28	FEB	1115	42	16.	.3	63.7	28	FEB	1930	75	180.	39.8	100.2
28 FEB	0315	10	0.	.0	61.6	28	FEB	1130	43	17.	.4	63.9	28	FEB	1945	76	179.	39.5	99.9
28 FEB	0330	11	0.	.0	61.6	28	FEB	1145	44	19.	.6	64.3	28	FEB	2000	77	177.	39.0	99.4
28 FEB	0345	12	0.	.0	61.6	28	FEB	1200	45	22.	.8	64.6	28	FEB	2015	78	174.	38.3	98.8
28 FEB	0400	13	0.	.0	61.6	28	FEB	1215	46	24.	1.2	65.1	28	FEB	2030	79	170.	37.3	97.9
28 FEB	0415	14	0.	.0	61.6	28	FEB	1230	47	26.	1.9	65.7	28	FEB	2045	80	164.	35.8	96.5
28 FEB	0430	15	0.	.0	61.6	28	FEB	1245	48	31.	3.0	66.7	28	FEB	2100	81	156.	33.8	94.7
28 FEB	0445	16	0.	.0	61.6	28	FEB	1300	49	38.	4.8	68.3	28	FEB	2115	82	148.	31.9	92.9
28 FEB	0500	17	0.	.0	61.6	28	FEB	1315	50	50.	7.8	71.1	28	FEB	2130	83	141.	30.1	91.3
28 FEB	0515	18	0.	.0	61.6	28	FEB	1330	51	68.	12.2	75.1	28	FEB	2145	84	134.	28.4	89.8
28 FEB	0530	19	0.	.0	61.6	28	FEB	1345	52	88.	17.1	79.5	28	FEB	2200	85	127.	26.9	88.4
28 FEB	0545	20	0.	.0	61.6	28	FEB	1400	53	105.	21.4	83.4	28	FEB	2215	86	122.	25.4	87.0
28 FEB	0600	21	0.	.0	61.6	28	FEB	1415	54	119.	24.6	86.4	28	FEB	2230	87	116.	24.0	85.8
28 FEB	0615	22	0.	.0	61.6	28	FEB	1430	55	129.	27.2	88.7	28	FEB	2245	88	111.	22.8	84.7
28 FEB	0630	23	0.	.0	61.6	28	FEB	1445	56	137.	29.3	90.6	28	FEB	2300	89	106.	21.6	83.6
28 FEB	0645	24	0.	.0	61.6	28	FEB	1500	57	144.	30.9	92.1	28	FEB	2315	90	102.	20.5	82.6
28 FEB	0700	25	0.	.0	61.6	28	FEB	1515	58	150.	32.4	93.4	28	FEB	2330	91	98.	19.5	81.7
28 FEB	0715	26	0.	.0	61.6	28	FEB	1530	59	155.	33.6	94.5	28	FEB	2345	92	94.	18.5	80.8
FEB	0730	27	0.	.0	61.6	28	FEB	1545	60	159.	34.7	95.5	1	MAR	0000	93	90.	17.6	80.0
FEB	0745	28	0.	.0	61.6	28	FEB	1600	61	163.	35.7	96.4	1	MAR	0015	94	87.	16.8	79.2
28 FEB	0800	29	0.	.0	61.6	28	FEB	1615	62	167.	36.5	97.2	1	MAR	0030	95	84.	16.0	78.5
28 FEB	0815	30	0.	.0	61.7	28	FEB	1630	63	170.	37.3	97.8	1	MAR	0045	96	81.	15.3	77.9
28 FEB	0830	31	0.	.0	61.8	28	FEB	1645	64	172.	37.9	98.4	1	MAR	0100	97	78.	14.6	77.2
28 FEB	0845	32	0.	.0	61.9	28	FEB	1700	65	174.	38.5	98.9							
28 FEB	0900	33	0.	.0	62.2	28	FEB	1715	66	176.	38.9	99.3							

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 182.	17.75		172.	72.	72.	72.
		(INCHES)	1.479	2.465	2.465	2.465
		(AC-FT)	85.	142.	142.	142.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
40.	17.75	38.	15.	15.	15.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
100.51	17.75	98.36	76.66	76.66	76.66

CUMULATIVE AREA = 1.08 SQ MI

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              *            *
116 KK        *     HP3A   *
              *            *
              **************

117 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

119 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .04  SUBBASIN AREA

                PRECIPITATION DATA

120 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                   STORM AREA =     .04

121 LS          SCS LOSS RATE
                      STRTL        .50  INITIAL ABSTRACTION
                     CRVNBR      80.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

122 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .50  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                           12 END-OF-PERIOD ORDINATES
                8.      25.      25.      15.       8.       4.       2.       1.       1.       0.
                0.       0.
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HYDROGRAPH AT STATION HP3A

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.27	1.03	27.
28 FEB 0115	2	.02	.02	.00	0.	*	28 FEB 1330	51	.34	.05	.28	43.
28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.03	.20	43.
28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.03	.16	34.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.01	.10	24.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.01	.08	18.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.01	.08	13.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.01	.08	10.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.01	.07	9.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.01	.06	8.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.01	.06	7.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.06	6.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.05	6.

28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.05	5.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	5.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	4.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	4.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	4.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	4.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.03	3.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.03	3.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	3.
28 FEB 0630	23	.03	.03	.00	0.	*	28 FEB 1845	72	.03	.00	.03	3.
28 FEB 0645	24	.03	.03	.00	0.	*	28 FEB 1900	73	.03	.00	.03	3.
28 FEB 0700	25	.03	.03	.00	0.	*	28 FEB 1915	74	.03	.00	.02	3.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.00	.02	3.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.03	.00	.02	2.
28 FEB 0745	28	.04	.03	.00	0.	*	28 FEB 2000	77	.03	.00	.02	2.
28 FEB 0800	29	.04	.03	.00	0.	*	28 FEB 2015	78	.02	.00	.02	2.
28 FEB 0815	30	.04	.03	.00	0.	*	28 FEB 2030	79	.02	.00	.02	2.
28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	2.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.02	2.
28 FEB 0900	33	.04	.03	.01	0.	*	28 FEB 2115	82	.02	.00	.02	2.
28 FEB 0915	34	.04	.04	.01	1.	*	28 FEB 2130	83	.02	.00	.02	2.
28 FEB 0930	35	.05	.04	.01	1.	*	28 FEB 2145	84	.02	.00	.02	2.
28 FEB 0945	36	.05	.04	.01	1.	*	28 FEB 2200	85	.02	.00	.02	2.
28 FEB 1000	37	.05	.04	.02	1.	*	28 FEB 2215	86	.02	.00	.02	2.
28 FEB 1015	38	.06	.04	.02	1.	*	28 FEB 2230	87	.02	.00	.02	2.
28 FEB 1030	39	.06	.04	.02	1.	*	28 FEB 2245	88	.02	.00	.02	2.
28 FEB 1045	40	.07	.04	.03	2.	*	28 FEB 2300	89	.02	.00	.02	2.
28 FEB 1100	41	.07	.04	.03	2.	*	28 FEB 2315	90	.02	.00	.02	2.
28 FEB 1115	42	.08	.05	.03	2.	*	28 FEB 2330	91	.02	.00	.02	2.
28 FEB 1130	43	.09	.05	.04	3.	*	28 FEB 2345	92	.02	.00	.02	2.
28 FEB 1145	44	.09	.05	.04	3.	*	1 MAR 0000	93	.02	.00	.02	2.
28 FEB 1200	45	.10	.05	.05	4.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.08	.09	4.	*	1 MAR 0030	95	.02	.00	.02	1.
28 FEB 1230	47	.21	.09	.12	6.	*	1 MAR 0045	96	.02	.00	.02	1.
28 FEB 1245	48	.28	.10	.17	8.	*	1 MAR 0100	97	.02	.00	.02	1.
28 FEB 1300	49	.59	.18	.41	13.	*						
						*						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 2.27, TOTAL EXCESS = 4.33

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 43.	12.75		13.	4.	4.	4.
		(INCHES)	3.409	4.284	4.284	4.284
		(AC-FT)	6.	8.	8.	8.

CUMULATIVE AREA = .04 SQ MI

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          *            *
123 KK    *    5DSWP   *
          *            *
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124 KO OUTPUT CONTROL VARIABLES

IPRNT 1 PRINT CONTROL

IPLOT 0 PLOT CONTROL

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                    QSCAL          0.  HYDROGRAPH PLOT SCALE
                              DIRECT INPUT OF HYDROGRAPH FROM UPPER SOUTH POND

  6 IN          TIME DATA FOR INPUT TIME SERIES
                     JXMIN         15  TIME INTERVAL IN MINUTES
                    JXDATE     28FEB91  STARTING DATE
                    JXTIME        100  STARTING TIME

             SUBBASIN RUNOFF DATA

 126 BA         SUBBASIN CHARACTERISTICS
                     TAREA        .26  SUBBASIN AREA

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HYDROGRAPH AT STATION 5DSWP

DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	3.	28 FEB 1330	51	35.	28 FEB 1945	76	49.
28 FEB 0115	2	0.	28 FEB 0730	27	3.	28 FEB 1345	52	40.	28 FEB 2000	77	49.
28 FEB 0130	3	0.	28 FEB 0745	28	4.	28 FEB 1400	53	44.	28 FEB 2015	78	48.
28 FEB 0145	4	0.	28 FEB 0800	29	4.	28 FEB 1415	54	48.	28 FEB 2030	79	48.
28 FEB 0200	5	0.	28 FEB 0815	30	4.	28 FEB 1430	55	50.	28 FEB 2045	80	47.
28 FEB 0215	6	0.	28 FEB 0830	31	4.	28 FEB 1445	56	52.	28 FEB 2100	81	47.
28 FEB 0230	7	0.	28 FEB 0845	32	4.	28 FEB 1500	57	53.	28 FEB 2115	82	46.
28 FEB 0245	8	0.	28 FEB 0900	33	4.	28 FEB 1515	58	54.	28 FEB 2130	83	45.
28 FEB 0300	9	0.	28 FEB 0915	34	4.	28 FEB 1530	59	54.	28 FEB 2145	84	45.
28 FEB 0315	10	0.	28 FEB 0930	35	5.	28 FEB 1545	60	54.	28 FEB 2200	85	44
28 FEB 0330	11	0.	28 FEB 0945	36	5.	28 FEB 1600	61	54.	28 FEB 2215	86	44
28 FEB 0345	12	0.	28 FEB 1000	37	5.	28 FEB 1615	62	54.	28 FEB 2230	87	43.
28 FEB 0400	13	0.	28 FEB 1015	38	6.	28 FEB 1630	63	54.	28 FEB 2245	88	43.
28 FEB 0415	14	0.	28 FEB 1030	39	6.	28 FEB 1645	64	54.	28 FEB 2300	89	42.
28 FEB 0430	15	0.	28 FEB 1045	40	7.	28 FEB 1700	65	54.	28 FEB 2315	90	42.
28 FEB 0445	16	1.	28 FEB 1100	41	7.	28 FEB 1715	66	53.	28 FEB 2330	91	41.
28 FEB 0500	17	1.	28 FEB 1115	42	8.	28 FEB 1730	67	53.	28 FEB 2345	92	41.
28 FEB 0515	18	2.	28 FEB 1130	43	9.	28 FEB 1745	68	53.	1 MAR 0000	93	40.
28 FEB 0530	19	2.	28 FEB 1145	44	10.	28 FEB 1800	69	52.	1 MAR 0015	94	39.
28 FEB 0545	20	2.	28 FEB 1200	45	11.	28 FEB 1815	70	52.	1 MAR 0030	95	39.
28 FEB 0600	21	3.	28 FEB 1215	46	12.	28 FEB 1830	71	51.	1 MAR 0045	96	38.
28 FEB 0615	22	3.	28 FEB 1230	47	13.	28 FEB 1845	72	51.	1 MAR 0100	97	38.
28 FEB 0630	23	3.	28 FEB 1245	48	16.	28 FEB 1900	73	50.			
28 FEB 0645	24	3.	28 FEB 1300	49	19.	28 FEB 1915	74	50.			
28 FEB 0700	25	3.	28 FEB 1315	50	25.	28 FEB 1930	75	50.			

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 54.	14.25		52.	25.	25.	25.
		(INCHES)	1.845	3.592	3.592	3.592
		(AC-FT)	26.	50.	50.	50.

CUMULATIVE AREA = .26 SQ MI

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          *            *
140 KK    *    HP3ASP  *
          *            *
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141 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               ROUTING THROUGH E/W HIDE PILE WETLAND

             HYDROGRAPH ROUTING DATA

143 RS          STORAGE ROUTING
                      NSTPS           1  NUMBER OF SUBREACHES
                       ITYP        ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC       69.40  INITIAL CONDITION
                          X         .00 WORKING R AND D COEFFICIENT

144 SA               AREA         1.9       3.2       7.4

145 SE          ELEVATION       69.00     70.00     71.50

146 SL          LOW-LEVEL OUTLET
                      ELEVL       70.20  ELEVATION AT CENTER OF OUTLET
                      CAREA        1.23  CROSS-SECTIONAL AREA
                       COQL         .60  COEFFICIENT
                       EXPL         .50  EXPONENT OF HEAD

147 SS          SPILLWAY
                       CREL       74.20  SPILLWAY CREST ELEVATION
                      SPWID         .00  SPILLWAY WIDTH
                       COQW         .00  WEIR COEFFICIENT
                       EXPW        1.00  EXPONENT OF HEAD

                                                    ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00      2.50     10.18
        ELEVATION      69.00     70.00     71.50

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00      4.68      5.12      5.65      6.31      7.15      8.24      9.71     11.84
        ELEVATION      69.00     70.20     70.82     70.95     71.11     71.34     71.66     72.14     72.89     74.20


                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00      2.50      3.18      5.94      6.61      7.58      9.03     10.18     11.39     15.58
          OUTFLOW        .00       .00       .00      4.68      5.12      5.65      6.31      6.75      7.15      8.24
        ELEVATION      69.00     70.00     70.20     70.82     70.95     71.11     71.34     71.50     71.66     72.14

          STORAGE      24.05     44.86
          OUTFLOW       9.71     11.84
        ELEVATION      72.89     74.20

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                                          HYDROGRAPH AT STATION   HP3ASP

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.8	69.3	28 FEB 0915	34	0.	2.0	69.8	28 FEB 1730	67	10.	26.1	73.0
28 FEB 0115	2	0.	.8	69.3	28 FEB 0930	35	0.	2.1	69.9	28 FEB 1745	68	10.	27.0	73
28 FEB 0130	3	0.	.8	69.3	28 FEB 0945	36	0.	2.2	69.9	28 FEB 1800	69	10.	28.0	7
28 FEB 0145	4	0.	.8	69.3	28 FEB 1000	37	0.	2.4	69.9	28 FEB 1815	70	10.	28.9	73
28 FEB 0200	5	0.	.8	69.3	28 FEB 1015	38	0.	2.5	70.0	28 FEB 1830	71	10.	29.8	73.3
28 FEB 0215	6	0.	.8	69.3	28 FEB 1030	39	0.	2.7	70.0	28 FEB 1845	72	10.	30.7	73.3
28 FEB 0230	7	0.	.8	69.3	28 FEB 1045	40	0.	2.8	70.1	28 FEB 1900	73	10.	31.6	73.4
28 FEB 0245	8	0.	.8	69.3	28 FEB 1100	41	0.	3.0	70.1	28 FEB 1915	74	11.	32.5	73.4
28 FEB 0300	9	0.	.8	69.3	28 FEB 1115	42	0.	3.2	70.2	28 FEB 1930	75	11.	33.4	73.5
28 FEB 0315	10	0.	.8	69.3	28 FEB 1130	43	0.	3.4	70.3	28 FEB 1945	76	11.	34.2	73.5
28 FEB 0330	11	0.	.8	69.3	28 FEB 1145	44	1.	3.7	70.3	28 FEB 2000	77	11.	35.1	73.6
28 FEB 0345	12	0.	.8	69.3	28 FEB 1200	45	1.	3.9	70.4	28 FEB 2015	78	11.	35.9	73.6
28 FEB 0400	13	0.	.8	69.3	28 FEB 1215	46	2.	4.2	70.4	28 FEB 2030	79	11.	36.7	73.7
28 FEB 0415	14	0.	.8	69.3	28 FEB 1230	47	2.	4.5	70.5	28 FEB 2045	80	11.	37.5	73.7
28 FEB 0430	15	0.	.8	69.3	28 FEB 1245	48	3.	4.9	70.6	28 FEB 2100	81	11.	38.3	73.8
28 FEB 0445	16	0.	.9	69.3	28 FEB 1300	49	4.	5.4	70.7	28 FEB 2115	82	11.	39.0	73.8
28 FEB 0500	17	0.	.9	69.4	28 FEB 1315	50	5.	6.2	70.9	28 FEB 2130	83	11.	39.8	73.9
28 FEB 0515	18	0.	.9	69.4	28 FEB 1330	51	6.	7.5	71.1	28 FEB 2145	84	11.	40.5	73.9
28 FEB 0530	19	0.	1.0	69.4	28 FEB 1345	52	6.	9.0	71.3	28 FEB 2200	85	11.	41.2	74.0
28 FEB 0545	20	0.	1.0	69.4	28 FEB 1400	53	7.	10.5	71.5	28 FEB 2215	86	12.	42.0	74.0
28 FEB 0600	21	0.	1.0	69.4	28 FEB 1415	54	7.	11.9	71.7	28 FEB 2230	87	12.	42.6	74.1
28 FEB 0615	22	0.	1.1	69.4	28 FEB 1430	55	8.	13.2	71.9	28 FEB 2245	88	12.	43.3	74.1
28 FEB 0630	23	0.	1.2	69.5	28 FEB 1445	56	8.	14.4	72.0	28 FEB 2300	89	12.	44.0	74.1
28 FEB 0645	24	0.	1.2	69.5	28 FEB 1500	57	8.	15.6	72.1	28 FEB 2315	90	12.	44.7	74.2
28 FEB 0700	25	0.	1.3	69.5	28 FEB 1515	58	8.	16.7	72.2	28 FEB 2330	91	12.	45.3	74.2
28 FEB 0715	26	0.	1.4	69.5	28 FEB 1530	59	9.	17.8	72.3	28 FEB 2345	92	12.	45.9	74.3
28 FEB 0730	27	0.	1.4	69.6	28 FEB 1545	60	9.	18.9	72.4	1 MAR 0000	93	12.	46.6	74.3
28 FEB 0745	28	0.	1.5	69.6	28 FEB 1600	61	9.	20.0	72.5	1 MAR 0015	94	12.	47.2	74.3
28 FEB 0800	29	0.	1.6	69.6	28 FEB 1615	62	9.	21.0	72.6	1 MAR 0030	95	12.	47.7	74.4
28 FEB 0815	30	0.	1.7	69.7	28 FEB 1630	63	9.	22.1	72.7	1 MAR 0045	96	12.	48.3	74.
28 FEB 0830	31	0.	1.7	69.7	28 FEB 1645	64	10.	23.1	72.8	1 MAR 0100	97	12.	48.9	7
28 FEB 0845	32	0.	1.8	69.7	28 FEB 1700	65	10.	24.1	72.9					
28 FEB 0900	33	0.	1.9	69.8	28 FEB 1715	66	10.	25.1	73.0					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 12.	24.00		11.	5.	5.	5.
		(INCHES)	.358	.641	.641	.641
		(AC-FT)	6.	10.	10.	10.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
49.	24.00	41.	16.	16.	16.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
74.45	24.00	73.95	71.42	71.42	71.42

CUMULATIVE AREA = .30 SQ MI

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148 KK     *      HP3B  *
           *            *
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149 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

151 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .01  SUBBASIN AREA

                PRECIPITATION DATA

152 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .01

153 LS          SCS LOSS RATE
                      STRTL         .63  INITIAL ABSTRACTION
                     CRVNBR       76.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

154 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .19  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              6 END-OF-PERIOD ORDINATES
              18.       11.       3.       1.       0.       0.
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HYDROGRAPH AT STATION HP3B

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.30	.36	.94	22.
28	FEB	0115	2	.02	.02	.00	0.	*	28	FEB	1330	51	.34	.07	.27	17.
28	FEB	0130	3	.02	.02	.00	0.	*	28	FEB	1345	52	.23	.05	.19	10.
28	FEB	0145	4	.02	.02	.00	0.	*	28	FEB	1400	53	.19	.03	.15	7.
28	FEB	0200	5	.02	.02	.00	0.	*	28	FEB	1415	54	.11	.02	.09	4.
28	FEB	0215	6	.02	.02	.00	0.	*	28	FEB	1430	55	.10	.02	.08	3.
28	FEB	0230	7	.02	.02	.00	0.	*	28	FEB	1445	56	.09	.02	.08	3.
28	FEB	0245	8	.02	.02	.00	0.	*	28	FEB	1500	57	.09	.01	.07	3.
28	FEB	0300	9	.02	.02	.00	0.	*	28	FEB	1515	58	.08	.01	.07	2.
28	FEB	0315	10	.02	.02	.00	0.	*	28	FEB	1530	59	.07	.01	.06	2.
28	FEB	0330	11	.02	.02	.00	0.	*	28	FEB	1545	60	.07	.01	.06	2.
28	FEB	0345	12	.02	.02	.00	0.	*	28	FEB	1600	61	.06	.01	.05	2.
28	FEB	0400	13	.02	.02	.00	0.	*	28	FEB	1615	62	.05	.01	.05	2.
28	FEB	0415	14	.02	.02	.00	0.	*	28	FEB	1630	63	.05	.01	.04	2.
28	FEB	0430	15	.02	.02	.00	0.	*	28	FEB	1645	64	.05	.01	.04	1.
28	FEB	0445	16	.02	.02	.00	0.	*	28	FEB	1700	65	.05	.01	.04	1.
28	FEB	0500	17	.02	.02	.00	0.	*	28	FEB	1715	66	.04	.01	.04	1.
28	FEB	0515	18	.02	.02	.00	0.	*	28	FEB	1730	67	.04	.01	.04	1.

28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.03	.00	0.	*	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.03	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.03	.00	0.	*	28 FEB 1915	74	.03	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.05	.01	0.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.05	.02	0.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.05	.02	1.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.05	.02	1.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.06	.03	1.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.06	.03	1.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.06	.03	1.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.06	.04	1.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.10	.08	2.	*	1 MAR 0030	95	.02	.00	.01	1.
28 FEB 1230	47	.21	.11	.10	3.	*	1 MAR 0045	96	.02	.00	.01	0.
28 FEB 1245	48	.27	.13	.15	4.	*	1 MAR 0100	97	.02	.00	.01	0.
28 FEB 1300	49	.59	.23	.36	9.	*						
						*						

****

TOTAL RAINFALL = 6.60, TOTAL LOSS = 2.70, TOTAL EXCESS = 3.90

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 22.	12.25		4.	1.	1.	1.
		(INCHES)	3.108	3.887	3.887	3.887
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .01 SQ MI

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            *            *
158 KK      *   HP3BCH   *
            *            *
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159 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

STORAGE ROUTING THROUGH HP3B CHANNEL

HYDROGRAPH ROUTING DATA

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161 RS          STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       STOR  TYPE OF INITIAL CONDITION
                    RSVRIC        .00  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

162 RC          NORMAL DEPTH CHANNEL ROUTING
                       ANL       .080  LEFT OVERBANK N-VALUE
                      ANCH       .030  MAIN CHANNEL N-VALUE
                       ANR       .080  RIGHT OVERBANK N-VALUE
                     RLNTH       600.  REACH LENGTH
                       SEL      .0013  ENERGY SLOPE
                     ELMAX       74.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION
```

CROSS-SECTION DATA

		--- LEFT OVERBANK ---	+	------ MAIN CHANNEL		------- +	--- RIGHT OVERBANK ---		
164 RY	ELEVATION	74.00	73.00	72.00	67.00	67.00	72.00	73.00	74.00
163 RX	DISTANCE	.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.03	.06	.09	.13	.17	.22	.27	.32	.38
OUTFLOW	.00	1.68	5.37	10.68	17.54	25.97	36.00	47.68	61.06	76.22
ELEVATION	67.00	67.37	67.74	68.11	68.47	68.84	69.21	69.58	69.95	70.32
STORAGE	.44	.51	.57	.65	.72	.82	.93	1.06	1.21	1.38
OUTFLOW	93.20	112.09	132.94	155.82	183.46	217.20	253.96	294.01	337.61	384.96
ELEVATION	70.68	71.05	71.42	71.79	72.16	72.53	72.89	73.26	73.63	74.00

WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 2. TO 385.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION HP3BCH

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	67.0	*	28	FEB	0915	34	0.	.0	67.0	*	28	FEB	1730	67	11.	.1	68.1
28	FEB	0115	2	0.	.0	67.0	*	28	FEB	0930	35	0.	.0	67.0	*	28	FEB	1745	68	11.	.1	68.1
28	FEB	0130	3	0.	.0	67.0	*	28	FEB	0945	36	0.	.0	67.0	*	28	FEB	1800	69	11.	.1	68.1
28	FEB	0145	4	0.	.0	67.0	*	28	FEB	1000	37	0.	.0	67.1	*	28	FEB	1815	70	11.	.1	68.1
28	FEB	0200	5	0.	.0	67.0	*	28	FEB	1015	38	0.	.0	67.1	*	28	FEB	1830	71	11.	.1	68.1
28	FEB	0215	6	0.	.0	67.0	*	28	FEB	1030	39	0.	.0	67.1	*	28	FEB	1845	72	11.	.1	68.1
28	FEB	0230	7	0.	.0	67.0	*	28	FEB	1045	40	0.	.0	67.1	*	28	FEB	1900	73	11.	.1	68.1
28	FEB	0245	8	0.	.0	67.0	*	28	FEB	1100	41	1.	.0	67.1	*	28	FEB	1915	74	11.	.1	68.1
28	FEB	0300	9	0.	.0	67.0	*	28	FEB	1115	42	1.	.0	67.2	*	28	FEB	1930	75	11.	.1	68.1
28	FEB	0315	10	0.	.0	67.0	*	28	FEB	1130	43	1.	.0	67.2	*	28	FEB	1945	76	12.	.1	68.1
28	FEB	0330	11	0.	.0	67.0	*	28	FEB	1145	44	1.	.0	67.3	*	28	FEB	2000	77	12.	.1	68.2
28	FEB	0345	12	0.	.0	67.0	*	28	FEB	1200	45	2.	.0	67.4	*	28	FEB	2015	78	12.	.1	68.2
28	FEB	0400	13	0.	.0	67.0	*	28	FEB	1215	46	3.	.0	67.5	*	28	FEB	2030	79	12.	.1	68.2
28	FEB	0415	14	0.	.0	67.0	*	28	FEB	1230	47	5.	.1	67.7	*	28	FEB	2045	80	12.	.1	68.2
28	FEB	0430	15	0.	.0	67.0	*	28	FEB	1245	48	6.	.1	67.8	*	28	FEB	2100	81	12.	.1	68.2
28	FEB	0445	16	0.	.0	67.0	*	28	FEB	1300	49	11.	.1	68.1	*	28	FEB	2115	82	12.	.1	68.2
	FEB	0500	17	0.	.0	67.0	*	28	FEB	1315	50	22.	.2	68.7	*	28	FEB	2130	83	12.	.1	68.2
	FEB	0515	18	0.	.0	67.0	*	28	FEB	1330	51	25.	.2	68.8	*	28	FEB	2145	84	12.	.1	68.2
28	FEB	0530	19	0.	.0	67.0	*	28	FEB	1345	52	17.	.1	68.4	*	28	FEB	2200	85	12.	.1	68.2
28	FEB	0545	20	0.	.0	67.0	*	28	FEB	1400	53	14.	.1	68.3	*	28	FEB	2215	86	12.	.1	68.2
28	FEB	0600	21	0.	.0	67.0	*	28	FEB	1415	54	12.	.1	68.2	*	28	FEB	2230	87	12.	.1	68.2
28	FEB	0615	22	0.	.0	67.0	*	28	FEB	1430	55	11.	.1	68.1	*	28	FEB	2245	88	12.	.1	68.2

28	FEB	0630	23	0.	.0	67.0	*	28	FEB	1445	56	11.	.1	68.1	*	28	FEB	2300	89	12.	.1	68.2
28	FEB	0645	24	0.	.0	67.0	*	28	FEB	1500	57	11.	.1	68.1	*	28	FEB	2315	90	12.	.1	68.2
28	FEB	0700	25	0.	.0	67.0	*	28	FEB	1515	58	11.	.1	68.1	*	28	FEB	2330	91	12.	.1	68.2
28	FEB	0715	26	0.	.0	67.0	*	28	FEB	1530	59	11.	.1	68.1	*	28	FEB	2345	92	12.	.1	68
28	FEB	0730	27	0.	.0	67.0	*	28	FEB	1545	60	11.	.1	68.1	*	1	MAR	0000	93	13.	.1	6
28	FEB	0745	28	0.	.0	67.0	*	28	FEB	1600	61	11.	.1	68.1	*	1	MAR	0015	94	13.	.1	68.
28	FEB	0800	29	0.	.0	67.0	*	28	FEB	1615	62	11.	.1	68.1	*	1	MAR	0030	95	13.	.1	68.2
28	FEB	0815	30	0.	.0	67.0	*	28	FEB	1630	63	11.	.1	68.1	*	1	MAR	0045	96	13.	.1	68.2
28	FEB	0830	31	0.	.0	67.0	*	28	FEB	1645	64	11.	.1	68.1	*	1	MAR	0100	97	13.	.1	68.2
28	FEB	0845	32	0.	.0	67.0	*	28	FEB	1700	65	11.	.1	68.1	*							
28	FEB	0900	33	0.	.0	67.0	*	28	FEB	1715	66	11.	.1	68.1	*							

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                                                   *                                         *
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  PEAK FLOW     TIME                                  MAXIMUM AVERAGE FLOW
                                        6-HR        24-HR       72-HR     24.00-HR
+   (CFS)       (HR)
                            (CFS)
+      25.     12.50                    12.           6.          6.          6.
                          (INCHES)      .375         .771        .771        .771
                           (AC-FT)        6.          13.         13.         13.

 PEAK STORAGE   TIME                                MAXIMUM AVERAGE STORAGE
                                        6-HR        24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
        0.     12.50                      0.          0.          0.          0.

  PEAK STAGE    TIME                                  MAXIMUM AVERAGE STAGE
                                        6-HR        24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
     68.81     12.50                    68.20       67.64       67.64       67.64

                           CUMULATIVE AREA =      .31 SQ MI



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             **************
             *            *
  165 KK     *      SB5   *
             *            *
             **************

  166 KO         OUTPUT CONTROL VARIABLES
                       IPRNT            1  PRINT CONTROL
                       IPLOT            0  PLOT CONTROL
                       QSCAL           0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

  168 BA         SUBBASIN CHARACTERISTICS
                       TAREA          .01  SUBBASIN AREA

                 PRECIPITATION DATA

  169 PH                                   DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                   STORM AREA =      .01
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170 LS          SCS LOSS RATE
                     STRTL        .35  INITIAL ABSTRACTION
                    CRVNBR      85.00  CURVE NUMBER
                     RTIMP        .00  PERCENT IMPERVIOUS AREA

    UD          SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .26  LAG

                                                    ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                              UNIT HYDROGRAPH
                                          7 END-OF-PERIOD ORDINATES
              14.       16.       6.       2.       1.       0.       0.
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HYDROGRAPH AT STATION SB5

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.17	1.13	25.
28 FEB 0115	2	.02	.02	.00	0.	28 FEB 1330	51	.34	.03	.31	26.
28 FEB 0130	3	.02	.02	.00	0.	28 FEB 1345	52	.23	.02	.21	15.
28 FEB 0145	4	.02	.02	.00	0.	28 FEB 1400	53	.19	.01	.17	10.
28 FEB 0200	5	.02	.02	.00	0.	28 FEB 1415	54	.11	.01	.10	7.
28 FEB 0215	6	.02	.02	.00	0.	28 FEB 1430	55	.10	.01	.09	5.
28 FEB 0230	7	.02	.02	.00	0.	28 FEB 1445	56	.09	.01	.09	4.
28 FEB 0245	8	.02	.02	.00	0.	28 FEB 1500	57	.09	.01	.08	3.
28 FEB 0300	9	.02	.02	.00	0.	28 FEB 1515	58	.08	.01	.07	3.
28 FEB 0315	10	.02	.02	.00	0.	28 FEB 1530	59	.07	.00	.07	3.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.07	.00	.06	3.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.00	.06	2.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.00	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.00	.05	2.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.00	.05	2.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.04	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.02	.00	0.	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.02	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.02	.00	0.	28 FEB 1915	74	.03	.00	.03	1.
28 FEB 0715	26	.03	.03	.01	0.	28 FEB 1930	75	.03	.00	.03	1.
28 FEB 0730	27	.03	.03	.01	0.	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.03	.01	0.	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	1.	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.02	1.	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.03	.03	1.	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.03	.03	1.	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.03	.04	1.	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.03	.04	1.	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.03	.05	2.	28 FEB 2330	91	.02	.00	.02	1.

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28 FEB 1130   43    .09    .04    .05       2.     *    28 FEB 2345   92    .02    .00    .02       1.
28 FEB 1145   44    .09    .03    .06       2.     *     1 MAR 0000   93    .02    .00    .02       1.
28 FEB 1200   45    .10    .04    .07       2.     *     1 MAR 0015   94    .02    .00    .02       1.
28 FEB 1215   46    .17    .05    .12       3.     *     1 MAR 0030   95    .02    .00    .02       1.
28 FEB 1230   47    .21    .06    .15       4.     *     1 MAR 0045   96    .02    .00    .02       1.
28 FEB 1245   48    .27    .07    .21       6.     *     1 MAR 0100   97    .02    .00    .02       1.
28 FEB 1300   49    .59    .12    .47      11.     *
                                                    *
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   TOTAL RAINFALL =    6.60, TOTAL LOSS =    1.73, TOTAL EXCESS =    4.87

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+     26.     12.50                  6.          2.          2.          2.
                       (INCHES)    3.791       4.847       4.847       4.847
                        (AC-FT)      3.          4.          4.          4.

                        CUMULATIVE AREA =     .01 SQ MI


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          *            *
 172 KK   *    SB5SWP  *
          *            *
          **************

 173 KO        OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH WETLAND 3C

             HYDROGRAPH ROUTING DATA

 175 RS        STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC      62.40  INITIAL CONDITION
                         X        .00 WORKING R AND D COEFFICIENT

 176 SA             AREA        1.0       2.2       3.1       3.8

 177 SE        ELEVATION      62.00     63.00     64.00     65.00

 178 SL        LOW-LEVEL OUTLET
                     ELEVL      62.40  ELEVATION AT CENTER OF OUTLET
                     CAREA       1.23  CROSS-SECTIONAL AREA
                      COQL        .60  COEFFICIENT
                      EXPL        .50  EXPONENT OF HEAD

 179 SS        SPILLWAY
                      CREL      64.90  SPILLWAY CREST ELEVATION
                     SPWID      30.00  SPILLWAY WIDTH
                      COQW       3.00  WEIR COEFFICIENT
                      EXPW       1.50  EXPONENT OF HEAD

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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	1.59	4.27	7.75
ELEVATION	62.00	63.00	64.00	65.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	4.62	4.98	5.40	5.90	6.50	7.24	8.16	9.36
ELEVATION	62.00	62.40	63.01	63.11	63.23	63.39	63.61	63.89	64.30	64.90
OUTFLOW	9.37	9.41	9.48	9.61	9.81	10.10	10.49	10.99	11.62	12.39
ELEVATION	64.90	64.91	64.91	64.92	64.93	64.94	64.95	64.97	64.98	65.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.49	1.59	1.84	2.14	2.54	3.11	3.94	4.27	5.24
OUTFLOW	.00	.00	4.58	4.98	5.40	5.90	6.50	7.24	7.49	8.16
ELEVATION	62.00	62.40	63.00	63.11	63.23	63.39	63.61	63.89	64.00	64.30
STORAGE	7.37	7.41	7.47	7.51	7.56	7.61	7.68	7.75		
OUTFLOW	9.36	9.48	9.81	10.10	10.49	10.99	11.62	12.39		
ELEVATION	64.90	64.91	64.93	64.94	64.95	64.97	64.98	65.00		

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HYDROGRAPH AT STATION SB5SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
	FEB	0100	1	0.	.5	62.4	28	FEB	0915	34	0.	.5	62.4	28	FEB	1730	67	5.	1.7	63.0
	FEB	0115	2	0.	.5	62.4	28	FEB	0930	35	0.	.5	62.4	28	FEB	1745	68	5.	1.6	63.0
	FEB	0130	3	0.	.5	62.4	28	FEB	0945	36	0.	.6	62.4	28	FEB	1800	69	4.	1.5	63.0
28	FEB	0145	4	0.	.5	62.4	28	FEB	1000	37	0.	.6	62.4	28	FEB	1815	70	4.	1.5	62.9
28	FEB	0200	5	0.	.5	62.4	28	FEB	1015	38	0.	.6	62.4	28	FEB	1830	71	4.	1.4	62.9
28	FEB	0215	6	0.	.5	62.4	28	FEB	1030	39	0.	.6	62.5	28	FEB	1845	72	4.	1.4	62.9
28	FEB	0230	7	0.	.5	62.4	28	FEB	1045	40	0.	.6	62.5	28	FEB	1900	73	3.	1.3	62.9
28	FEB	0245	8	0.	.5	62.4	28	FEB	1100	41	1.	.6	62.5	28	FEB	1915	74	3.	1.3	62.8
28	FEB	0300	9	0.	.5	62.4	28	FEB	1115	42	1.	.6	62.5	28	FEB	1930	75	3.	1.2	62.8
28	FEB	0315	10	0.	.5	62.4	28	FEB	1130	43	1.	.7	62.5	28	FEB	1945	76	3.	1.2	62.8
28	FEB	0330	11	0.	.5	62.4	28	FEB	1145	44	1.	.7	62.5	28	FEB	2000	77	3.	1.2	62.8
28	FEB	0345	12	0.	.5	62.4	28	FEB	1200	45	1.	.7	62.5	28	FEB	2015	78	3.	1.1	62.7
28	FEB	0400	13	0.	.5	62.4	28	FEB	1215	46	1.	.8	62.5	28	FEB	2030	79	2.	1.1	62.7
28	FEB	0415	14	0.	.5	62.4	28	FEB	1230	47	1.	.8	62.6	28	FEB	2045	80	2.	1.1	62.7
28	FEB	0430	15	0.	.5	62.4	28	FEB	1245	48	2.	.9	62.6	28	FEB	2100	81	2.	1.0	62.7
28	FEB	0445	16	0.	.5	62.4	28	FEB	1300	49	2.	1.0	62.7	28	FEB	2115	82	2.	1.0	62.7
28	FEB	0500	17	0.	.5	62.4	28	FEB	1315	50	4.	1.3	62.9	28	FEB	2130	83	2.	1.0	62.7
28	FEB	0515	18	0.	.5	62.4	28	FEB	1330	51	5.	1.8	63.1	28	FEB	2145	84	2.	.9	62.6
28	FEB	0530	19	0.	.5	62.4	28	FEB	1345	52	5.	2.1	63.2	28	FEB	2200	85	2.	.9	62.6
28	FEB	0545	20	0.	.5	62.4	28	FEB	1400	53	6.	2.2	63.3	28	FEB	2215	86	2.	.9	62.6
28	FEB	0600	21	0.	.5	62.4	28	FEB	1415	54	6.	2.3	63.3	28	FEB	2230	87	2.	.9	62.6
28	FEB	0615	22	0.	.5	62.4	28	FEB	1430	55	6.	2.3	63.3	28	FEB	2245	88	2.	.9	62.6
28	FEB	0630	23	0.	.5	62.4	28	FEB	1445	56	6.	2.3	63.3	28	FEB	2300	89	2.	.9	62.6
28	FEB	0645	24	0.	.5	62.4	28	FEB	1500	57	6.	2.2	63.3	28	FEB	2315	90	1.	.8	62.6
28	FEB	0700	25	0.	.5	62.4	28	FEB	1515	58	5.	2.2	63.3	28	FEB	2330	91	1.	.8	62.6
28	FEB	0715	26	0.	.5	62.4	28	FEB	1530	59	5.	2.1	63.2	28	FEB	2345	92	1.	.8	62.6
28	FEB	0730	27	0.	.5	62.4	28	FEB	1545	60	5.	2.1	63.2	1	MAR	0000	93	1.	.8	62.6
28	FEB	0745	28	0.	.5	62.4	28	FEB	1600	61	5.	2.0	63.2	1	MAR	0015	94	1.	.8	62.6
	FEB	0800	29	0.	.5	62.4	28	FEB	1615	62	5.	2.0	63.2	1	MAR	0030	95	1.	.8	62.6
	FEB	0815	30	0.	.5	62.4	28	FEB	1630	63	5.	1.9	63.1	1	MAR	0045	96	1.	.8	62.5
	FEB	0830	31	0.	.5	62.4	28	FEB	1645	64	5.	1.9	63.1	1	MAR	0100	97	1.	.8	62.5
28	FEB	0845	32	0.	.5	62.4	28	FEB	1700	65	5.	1.8	63.1							
28	FEB	0900	33	0.	.5	62.4	28	FEB	1715	66	5.	1.7	63.1							

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+      6.     13.50                   5.          2.          2.          2.
                        (INCHES)    3.011       4.523       4.523       4.523
                         (AC-FT)      2.          4.          4.          4.

 PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       2.     13.50                   2.          1.          1.          1.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    63.30     13.50                 63.11       62.66       62.66       62.66

                        CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


           **************
           *            *
 180 KK    *      CW1   *
           *            *
           **************

 181 KO         OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 183 BA         SUBBASIN CHARACTERISTICS
                      TAREA         .01  SUBBASIN AREA

                PRECIPITATION DATA

 184 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                   STORM AREA =     .01

 185 LS         SCS LOSS RATE
                      STRTL         .50  INITIAL ABSTRACTION
                     CRVNBR       80.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

 186 UD         SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .17  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG
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UNIT HYDROGRAPH
5 END-OF-PERIOD ORDINATES

17. 8. 2. 1. 0.

HYDROGRAPH AT STATION CW1

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.27	1.03	22.
28 FEB 0115	2	.02	.02	.00	0.	28 FEB 1330	51	.34	.05	.28	14.
28 FEB 0130	3	.02	.02	.00	0.	28 FEB 1345	52	.23	.03	.20	8.
28 FEB 0145	4	.02	.02	.00	0.	28 FEB 1400	53	.19	.03	.16	6.
28 FEB 0200	5	.02	.02	.00	0.	28 FEB 1415	54	.11	.01	.10	4.
28 FEB 0215	6	.02	.02	.00	0.	28 FEB 1430	55	.10	.01	.08	3.
28 FEB 0230	7	.02	.02	.00	0.	28 FEB 1445	56	.09	.01	.08	2.
28 FEB 0245	8	.02	.02	.00	0.	28 FEB 1500	57	.09	.01	.08	2.
28 FEB 0300	9	.02	.02	.00	0.	28 FEB 1515	58	.08	.01	.07	2.
28 FEB 0315	10	.02	.02	.00	0.	28 FEB 1530	59	.07	.01	.06	2.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.07	.01	.06	2.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.01	.06	2.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.01	.05	1.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.01	.05	1.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.01	.04	1.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.03	.00	0.	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.03	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.03	.00	0.	28 FEB 1915	74	.03	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.03	.00	0.	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.03	.00	0.	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.00	0.	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	0.	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.01	0.	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.04	.01	0.	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.04	.02	0.	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.04	.02	0.	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.04	.02	1.	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.04	.03	1.	28 FEB 2300	89	.02	.00	.02	0.
28 FEB 1100	41	.07	.04	.03	1.	28 FEB 2315	90	.02	.00	.02	0.
28 FEB 1115	42	.08	.05	.03	1.	28 FEB 2330	91	.02	.00	.02	0.
28 FEB 1130	43	.09	.05	.04	1.	28 FEB 2345	92	.02	.00	.02	0.
28 FEB 1145	44	.09	.05	.04	1.	1 MAR 0000	93	.02	.00	.02	0.
28 FEB 1200	45	.10	.05	.05	1.	1 MAR 0015	94	.02	.00	.02	0.
28 FEB 1215	46	.17	.08	.09	2.	1 MAR 0030	95	.02	.00	.02	0.
28 FEB 1230	47	.21	.09	.12	3.	1 MAR 0045	96	.02	.00	.02	0.
28 FEB 1245	48	.27	.10	.17	4.	1 MAR 0100	97	.02	.00	.02	0.
28 FEB 1300	49	.59	.18	.41	9.						

TOTAL RAINFALL = 6.60, TOTAL LOSS = 2.27, TOTAL EXCESS = 4.33

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+   (CFS)       (HR)
                          (CFS)
+      22.     12.25                  4.          1.          1.          1.
                        (INCHES)    3.416       4.311       4.311       4.311
                         (AC-FT)      2.          3.          3.          3.

                         CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


            **************
            *            *
 190 KK     *    CW1CHL  *
            *            *
            **************

 191 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                STORAGE ROUTING THROUGH CW1 CHANNEL

               HYDROGRAPH ROUTING DATA

 193 RS          STORAGE ROUTING
                       NSTPS           1  NUMBER OF SUBREACHES
                        ITYP        ELEV  TYPE OF INITIAL CONDITION
                      RSVRIC       61.00  INITIAL CONDITION
                           X         .00 WORKING R AND D COEFFICIENT

 194 SA               AREA          .0        .0        .1        .2        .3

 195 SE          ELEVATION       61.00     63.00     64.00     65.00     66.00

 196 SL          LOW-LEVEL OUTLET
                       ELEVL       62.60  ELEVATION AT CENTER OF OUTLET
                       CAREA       12.57  CROSS-SECTIONAL AREA
                        COQL         .60  COEFFICIENT
                        EXPL         .50  EXPONENT OF HEAD

 197 SS          SPILLWAY
                        CREL       65.90  SPILLWAY CREST ELEVATION
                       SPWID         .00  SPILLWAY WIDTH
                        COQW         .00  WEIR COEFFICIENT
                        EXPW        1.50  EXPONENT OF HEAD

                                                          ***

                                          COMPUTED STORAGE-ELEVATION DATA

           STORAGE        .00       .01       .08       .25       .49
         ELEVATION      61.00     63.00     64.00     65.00     66.00

                                          COMPUTED OUTFLOW-ELEVATION DATA

           OUTFLOW        .00       .00     81.56     84.67     88.04     91.69     95.64     99.96    104.69    109.88
         ELEVATION      61.00     62.60     64.42     64.56     64.72     64.90     65.10     65.33     65.60     65.90

                                        COMPUTED STORAGE-OUTFLOW-ELEVATION DATA
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STORAGE	.00	.01	.01	.08	.14	.17	.19	.23	.25	.27
OUTFLOW	.00	.00	38.26	71.57	81.56	84.67	88.04	91.69	93.71	95.64
ELEVATION	61.00	62.60	63.00	64.00	64.42	64.56	64.72	64.90	65.00	65.10

STORAGE	.32	.39	.46	.49
OUTFLOW	99.96	104.69	109.88	111.53
ELEVATION	65.33	65.60	65.90	66.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 92.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION CW1CHL

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	61.0	28	FEB	0915	34	1.	.0	62.6	28	FEB	1730	67	194.	1.8	71.0
28	FEB	0115	2	0.	.0	61.0	28	FEB	0930	35	1.	.0	62.6	28	FEB	1745	68	195.	1.8	71.1
28	FEB	0130	3	0.	.0	61.0	28	FEB	0945	36	2.	.0	62.6	28	FEB	1800	69	196.	1.8	71.1
28	FEB	0145	4	0.	.0	61.0	28	FEB	1000	37	4.	.0	62.6	28	FEB	1815	70	197.	1.8	71.2
28	FEB	0200	5	0.	.0	61.0	28	FEB	1015	38	6.	.0	62.7	28	FEB	1830	71	197.	1.8	71.2
28	FEB	0215	6	0.	.0	61.0	28	FEB	1030	39	8.	.0	62.7	28	FEB	1845	72	197.	1.8	71.2
28	FEB	0230	7	0.	.0	61.0	28	FEB	1045	40	12.	.0	62.7	28	FEB	1900	73	197.	1.8	71.2
28	FEB	0245	8	0.	.0	61.0	28	FEB	1100	41	15.	.0	62.8	28	FEB	1915	74	197.	1.8	71.2
28	FEB	0300	9	0.	.0	61.0	28	FEB	1115	42	18.	.0	62.8	28	FEB	1930	75	196.	1.8	71.1
28	FEB	0315	10	0.	.0	61.0	28	FEB	1130	43	20.	.0	62.8	28	FEB	1945	76	195.	1.8	71.0
28	FEB	0330	11	0.	.0	61.0	28	FEB	1145	44	23.	.0	62.8	28	FEB	2000	77	193.	1.8	70.9
[illegible]	FEB	0345	12	0.	.0	61.0	28	FEB	1200	45	26.	.0	62.9	28	FEB	2015	78	191.	1.7	70.8
[illegible]	FEB	0400	13	0.	.0	61.0	28	FEB	1215	46	30.	.0	62.9	28	FEB	2030	79	188.	1.7	70.6
28	FEB	0415	14	0.	.0	61.0	28	FEB	1230	47	35.	.0	63.0	28	FEB	2045	80	183.	1.6	70.3
28	FEB	0430	15	0.	.0	61.0	28	FEB	1245	48	42.	.0	63.1	28	FEB	2100	81	176.	1.5	69.9
28	FEB	0445	16	0.	.0	61.0	28	FEB	1300	49	58.	.1	63.6	28	FEB	2115	82	168.	1.4	69.4
28	FEB	0500	17	0.	.0	61.0	28	FEB	1315	50	87.	.2	64.7	28	FEB	2130	83	161.	1.3	69.0
28	FEB	0515	18	0.	.0	61.0	28	FEB	1330	51	104.	.4	65.6	28	FEB	2145	84	154.	1.1	68.5
28	FEB	0530	19	0.	.0	61.0	28	FEB	1345	52	114.	.5	66.1	28	FEB	2200	85	147.	1.0	68.1
28	FEB	0545	20	0.	.0	61.0	28	FEB	1400	53	122.	.7	66.7	28	FEB	2215	86	141.	.9	67.8
28	FEB	0600	21	0.	.0	61.0	28	FEB	1415	54	133.	.8	67.3	28	FEB	2230	87	135.	.8	67.4
28	FEB	0615	22	0.	.0	61.0	28	FEB	1430	55	142.	1.0	67.8	28	FEB	2245	88	129.	.8	67.1
28	FEB	0630	23	0.	.0	61.0	28	FEB	1445	56	150.	1.1	68.3	28	FEB	2300	89	124.	.7	66.8
28	FEB	0645	24	0.	.0	61.1	28	FEB	1500	57	157.	1.2	68.8	28	FEB	2315	90	119.	.6	66.5
28	FEB	0700	25	0.	.0	61.2	28	FEB	1515	58	164.	1.3	69.2	28	FEB	2330	91	115.	.5	66.2
28	FEB	0715	26	0.	.0	61.3	28	FEB	1530	59	169.	1.4	69.5	28	FEB	2345	92	111.	.5	66.0
28	FEB	0730	27	0.	.0	61.6	28	FEB	1545	60	174.	1.5	69.8	1	MAR	0000	93	107.	.4	65.7
28	FEB	0745	28	0.	.0	62.1	28	FEB	1600	61	178.	1.5	70.0	1	MAR	0015	94	103.	.4	65.5
28	FEB	0800	29	0.	.0	62.6	28	FEB	1615	62	182.	1.6	70.2	1	MAR	0030	95	100.	.3	65.3
28	FEB	0815	30	0.	.0	62.6	28	FEB	1630	63	185.	1.6	70.4	1	MAR	0045	96	97.	.3	65.2
28	FEB	0830	31	0.	.0	62.6	28	FEB	1645	64	188.	1.7	70.6	1	MAR	0100	97	94.	.3	65.0
28	FEB	0845	32	0.	.0	62.6	28	FEB	1700	65	190.	1.7	70.7							
28	FEB	0900	33	0.	.0	62.6	28	FEB	1715	66	192.	1.7	70.9							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
197.	17.75		188.	81.	81.	81.
		(INCHES)	1.234	2.127	2.127	2.127
		(AC-FT)	93.	161.	161.	161.

PEAK STORAGE TIME MAXIMUM AVERAGE STORAGE

```
                                    6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       2.     17.75                  2.          1.          1.           1.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
    71.20     17.75                70.64       65.26       65.26        65.26

                       CUMULATIVE AREA =    1.42 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


           **************
           *            *
 198 KK    *      CW2   *
           *            *
           **************

 199 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 201 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .03  SUBBASIN AREA

                 PRECIPITATION DATA

 202 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .03

 203 LS          SCS LOSS RATE
                      STRTL         .17  INITIAL ABSTRACTION
                     CRVNBR       92.00  CURVE NUMBER
                      RTIMP         .00  PERCENT IMPERVIOUS AREA

 204 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG         .16  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                  5 END-OF-PERIOD ORDINATES
               43.       18.        4.        1.        0.

*****************************************************************************************************************************

                                                HYDROGRAPH AT STATION      CW2

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
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28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.06	1.24	65.
28 FEB 0115	2	.02	.02	.00	0.	*	28 FEB 1330	51	.34	.01	.33	40.
28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.01	.23	22.
28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.00	.18	15.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.00	.11	10.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.00	.09	7.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.00	.09	6.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.00	.08	6.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.00	.08	5.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.00	.07	5.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.00	.07	5.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.06	4.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	4.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	3.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.05	3.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	3.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	3.
28 FEB 0515	18	.02	.02	.01	0.	*	28 FEB 1730	67	.04	.00	.04	3.
28 FEB 0530	19	.02	.02	.01	0.	*	28 FEB 1745	68	.04	.00	.04	3.
28 FEB 0545	20	.02	.02	.01	0.	*	28 FEB 1800	69	.04	.00	.04	3.
28 FEB 0600	21	.02	.02	.01	1.	*	28 FEB 1815	70	.04	.00	.04	3.
28 FEB 0615	22	.02	.02	.01	1.	*	28 FEB 1830	71	.04	.00	.04	2.
28 FEB 0630	23	.03	.02	.01	1.	*	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.03	.01	.01	1.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.03	.01	.01	1.	*	28 FEB 1915	74	.03	.00	.03	2.
28 FEB 0715	26	.03	.02	.02	1.	*	28 FEB 1930	75	.03	.00	.03	2.
28 FEB 0730	27	.03	.02	.02	1.	*	28 FEB 1945	76	.03	.00	.03	2.
28 FEB 0745	28	.04	.02	.02	1.	*	28 FEB 2000	77	.03	.00	.02	2.
28 FEB 0800	29	.04	.02	.02	1.	*	28 FEB 2015	78	.02	.00	.02	2.
28 FEB 0815	30	.04	.02	.02	1.	*	28 FEB 2030	79	.02	.00	.02	2.
28 FEB 0830	31	.04	.02	.02	2.	*	28 FEB 2045	80	.02	.00	.02	2.
28 FEB 0845	32	.04	.02	.03	2.	*	28 FEB 2100	81	.02	.00	.02	2.
28 FEB 0900	33	.04	.01	.03	2.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.01	.03	2.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.01	.03	2.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.01	.03	2.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.01	.04	2.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.02	.05	3.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.02	.05	3.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.02	.05	3.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.02	.06	4.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.02	.07	4.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.02	.07	5.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.01	.08	5.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.02	.09	6.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.02	.15	8.	*	1 MAR 0030	95	.02	.00	.02	1.
28 FEB 1230	47	.21	.02	.18	11.	*	1 MAR 0045	96	.02	.00	.02	1.
28 FEB 1245	48	.28	.03	.25	15.	*	1 MAR 0100	97	.02	.00	.02	1.
28 FEB 1300	49	.59	.04	.55	29.	*						

****

TOTAL RAINFALL = 6.60, TOTAL LOSS = .94, TOTAL EXCESS = 5.66

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 65.	12.25		12.	4.	4.	4.
		(INCHES)	4.276	5.644	5.644	5.644
		(AC-FT)	6.	8.	8.	8.

CUMULATIVE AREA = .03 SQ MI

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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

          **************
          *            *
208 KK    *    CW2CH   *
          *            *
          **************

209 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             STORAGE ROUTING THROUGH CW2 CHANNEL

            HYDROGRAPH ROUTING DATA

211 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      59.90  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

212 SA             AREA         .0       .1       .1       .2       .2       .2

213 SE        ELEVATION      59.90    61.00    63.00    65.00    67.00    67.70

214 SL        LOW-LEVEL OUTLET
                    ELEVL      61.80  ELEVATION AT CENTER OF OUTLET
                    CAREA      12.57  CROSS-SECTIONAL AREA
                     COQL        .60  COEFFICIENT
                     EXPL        .50  EXPONENT OF HEAD

215 SS        SPILLWAY
                     CREL      67.50  SPILLWAY CREST ELEVATION
                    SPWID      30.00  SPILLWAY WIDTH
                     COQW       3.00  WEIR COEFFICIENT
                     EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00      .03      .24      .54      .95     1.11
        ELEVATION     59.90    61.00    63.00    65.00    67.00    67.70

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00      .00    83.41    88.76    94.86   101.85   109.95   119.45   130.75   144.41
        ELEVATION     59.90    61.80    63.70    63.95    64.26    64.64    65.10    65.70    66.47    67.50

          OUTFLOW    144.82   145.15   145.63   146.28   147.12   148.17   149.45   151.00   152.83   154.97
        ELEVATION     67.52    67.53    67.54    67.56    67.57    67.59    67.62    67.64    67.67    67.70


                                    COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00      .03      .10      .24      .34      .37      .42      .48      .54      .56
          OUTFLOW       .00      .00      .00    66.26    83.41    88.76    94.86   101.85   108.20   109.95
        ELEVATION     59.90    61.00    61.80    63.00    63.70    63.95    64.26    64.64    65.00    65.10

          STORAGE       .68      .83      .95     1.06     1.07     1.07     1.07     1.08     1.08     1.08
          OUTFLOW    119.45   130.75   137.93   144.41   144.82   145.15   145.63   146.28   147.12   148.17
        ELEVATION     65.70    66.47    67.00    67.50    67.52    67.53    67.54    67.56    67.57    67.59
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STORAGE	1.09	1.10	1.10	1.11
OUTFLOW	149.45	151.00	152.83	154.97
ELEVATION	67.62	67.64	67.67	67.70

WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 155.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION CW2CH

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	59.9	28	FEB	0915	34	3.	.1	61.8	28	FEB	1730	67	196.	1.3	68.3
28	FEB	0115	2	0.	.0	59.9	28	FEB	0930	35	3.	.1	61.9	28	FEB	1745	68	198.	1.3	68.3
28	FEB	0130	3	0.	.0	59.9	28	FEB	0945	36	4.	.1	61.9	28	FEB	1800	69	199.	1.3	68.3
28	FEB	0145	4	0.	.0	59.9	28	FEB	1000	37	6.	.1	61.9	28	FEB	1815	70	199.	1.3	68.3
28	FEB	0200	5	0.	.0	59.9	28	FEB	1015	38	8.	.1	61.9	28	FEB	1830	71	200.	1.3	68.3
28	FEB	0215	6	0.	.0	59.9	28	FEB	1030	39	11.	.1	62.0	28	FEB	1845	72	200.	1.3	68.3
28	FEB	0230	7	0.	.0	59.9	28	FEB	1045	40	15.	.1	62.1	28	FEB	1900	73	200.	1.3	68.3
28	FEB	0245	8	0.	.0	59.9	28	FEB	1100	41	19.	.1	62.1	28	FEB	1915	74	199.	1.3	68.3
28	FEB	0300	9	0.	.0	59.9	28	FEB	1115	42	22.	.1	62.2	28	FEB	1930	75	198.	1.3	68.3
28	FEB	0315	10	0.	.0	59.9	28	FEB	1130	43	25.	.2	62.2	28	FEB	1945	76	197.	1.3	68.3
28	FEB	0330	11	0.	.0	59.9	28	FEB	1145	44	28.	.2	62.3	28	FEB	2000	77	195.	1.2	68.3
28	FEB	0345	12	0.	.0	59.9	28	FEB	1200	45	31.	.2	62.4	28	FEB	2015	78	193.	1.2	68.2
28	FEB	0400	13	0.	.0	59.9	28	FEB	1215	46	38.	.2	62.5	28	FEB	2030	79	190.	1.2	68.2
28	FEB	0415	14	0.	.0	60.0	28	FEB	1230	47	46.	.2	62.6	28	FEB	2045	80	185.	1.2	68.1
28	FEB	0430	15	0.	.0	60.1	28	FEB	1245	48	56.	.2	62.8	28	FEB	2100	81	179.	1.2	68.0
28	FEB	0445	16	0.	.0	60.3	28	FEB	1300	49	79.	.3	63.5	28	FEB	2115	82	171.	1.2	67.9
	FEB	0500	17	0.	.0	60.5	28	FEB	1315	50	121.	.7	65.8	28	FEB	2130	83	163.	1.1	67.8
	FEB	0515	18	0.	.0	60.7	28	FEB	1330	51	143.	1.0	67.4	28	FEB	2145	84	156.	1.1	67.7
28	FEB	0530	19	0.	.0	61.0	28	FEB	1345	52	141.	1.0	67.2	28	FEB	2200	85	149.	1.1	67.6
28	FEB	0545	20	0.	.0	61.1	28	FEB	1400	53	138.	.9	67.0	28	FEB	2215	86	144.	1.1	67.5
28	FEB	0600	21	0.	.1	61.2	28	FEB	1415	54	139.	1.0	67.1	28	FEB	2230	87	140.	1.0	67.2
28	FEB	0615	22	0.	.1	61.4	28	FEB	1430	55	144.	1.1	67.5	28	FEB	2245	88	135.	.9	66.8
28	FEB	0630	23	0.	.1	61.5	28	FEB	1445	56	156.	1.1	67.7	28	FEB	2300	89	129.	.8	66.4
28	FEB	0645	24	0.	.1	61.7	28	FEB	1500	57	162.	1.1	67.8	28	FEB	2315	90	124.	.7	66.0
28	FEB	0700	25	0.	.1	61.8	28	FEB	1515	58	168.	1.2	67.9	28	FEB	2330	91	119.	.7	65.7
28	FEB	0715	26	1.	.1	61.8	28	FEB	1530	59	173.	1.2	68.0	28	FEB	2345	92	115.	.6	65.4
28	FEB	0730	27	1.	.1	61.8	28	FEB	1545	60	178.	1.2	68.0	1	MAR	0000	93	110.	.6	65.1
28	FEB	0745	28	1.	.1	61.8	28	FEB	1600	61	182.	1.2	68.1	1	MAR	0015	94	106.	.5	64.9
28	FEB	0800	29	1.	.1	61.8	28	FEB	1615	62	185.	1.2	68.1	1	MAR	0030	95	103.	.5	64.7
28	FEB	0815	30	2.	.1	61.8	28	FEB	1630	63	188.	1.2	68.2	1	MAR	0045	96	99.	.5	64.5
28	FEB	0830	31	2.	.1	61.8	28	FEB	1645	64	190.	1.2	68.2	1	MAR	0100	97	96.	.4	64.3
28	FEB	0845	32	2.	.1	61.8	28	FEB	1700	65	193.	1.2	68.2							
28	FEB	0900	33	2.	.1	61.8	28	FEB	1715	66	195.	1.2	68.3							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
+ 200.	17.75		191.	85.	85.	85.
		(INCHES)	1.229	2.185	2.185	2.185
		(AC-FT)	95.	168.	168.	168.

STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
+ 1.	17.50	1.	1.	1.	1.

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 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                   6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
   68.34      17.75                68.21       64.30       64.30       64.30

                      CUMULATIVE AREA =    1.44 SQ MI
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          *            *
 216 KK   *     SB3&4  *
          *            *
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 217 KO         OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION - SB3 & SB4

             SUBBASIN RUNOFF DATA

 219 BA         SUBBASIN CHARACTERISTICS
                      TAREA        .02  SUBBASIN AREA

                PRECIPITATION DATA

 220 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                STORM AREA =     .02

 221 LS         SCS LOSS RATE
                      STRTL        .30  INITIAL ABSTRACTION
                     CRVNBR      87.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

 222 UD         SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .07  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                            5 END-OF-PERIOD ORDINATES
              33.       9.       2.       0.       0.
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HYDROGRAPH AT STATION SB3&4

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.13	1.17	43.
28 FEB 0115	2	.02	.02	.00	0.	*	28 FEB 1330	51	.34	.02	.31	22.
28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.02	.22	12.

28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.01	.18	9.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.01	.10	6.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.01	.09	4.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.01	.09	4.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.00	.08	4.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.00	.07	3.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.00	.07	3.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.00	.06	3.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.06	3.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.05	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.04	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	2.
28 FEB 0630	23	.03	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.02	.01	0.	*	28 FEB 1915	74	.03	.00	.03	1.
28 FEB 0715	26	.03	.03	.01	0.	*	28 FEB 1930	75	.03	.00	.03	1.
28 FEB 0730	27	.03	.03	.01	0.	*	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.03	.01	0.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.02	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.02	.01	1.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.02	.01	1.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.02	.02	1.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.02	.02	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.02	.02	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.02	.02	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.02	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.02	.03	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.03	.03	1.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.03	.04	2.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.03	.04	2.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.03	.05	2.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.03	.05	2.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.03	.06	3.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.03	.06	3.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.03	.07	3.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.05	.13	5.	*	1 MAR 0030	95	.02	.00	.02	1.
28 FEB 1230	47	.21	.05	.16	6.	*	1 MAR 0045	96	.02	.00	.02	1.
28 FEB 1245	48	.28	.06	.22	9.	*	1 MAR 0100	97	.02	.00	.02	1.
28 FEB 1300	49	.59	.09	.49	18.	*						
						*						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 1.51, TOTAL EXCESS = 5.09

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 43.	12.25		7.	2.	2.	2.
		(INCHES)	3.939	5.080	5.080	5.080
		(AC-FT)	4.	5.	5.	5.

CUMULATIVE AREA = .02 SQ MI

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          *            *
223 KK    *    SB34PD  *
          *            *
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224 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            STORAGE ROUTING THROUGH SB3 & SB4

            HYDROGRAPH ROUTING DATA

226 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      59.10  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

227 SA            AREA          .2        .5       1.7

228 SE        ELEVATION      63.50     65.70     66.00

229 SS        SPILLWAY
                     CREL      65.90  SPILLWAY CREST ELEVATION
                    SPWID      40.00  SPILLWAY WIDTH
                     COQW       3.00  WEIR COEFFICIENT
                     EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00       .77      1.08
        ELEVATION     63.50     65.70     66.00

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00       .00       .00       .01       .02       .04       .08       .14       .22       .33
        ELEVATION     63.50     65.90     65.90     65.90     65.90     65.90     65.91     65.91     65.92     65.92

          OUTFLOW       .47       .65       .87      1.12      1.43      1.79      2.20      2.67      3.20      3.79
        ELEVATION     65.93     65.93     65.94     65.94     65.95     65.96     65.97     65.98     65.99     66.00

                                    COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00       .77       .93       .94       .96       .98      1.00      1.03      1.06      1.08
          OUTFLOW       .00       .00       .00       .14       .47       .87      1.43      2.20      3.20      3.79
        ELEVATION     63.50     65.70     65.90     65.91     65.93     65.94     65.95     65.97     65.99     66.00

*****************************************************************************************************************************

                                        HYDROGRAPH AT STATION   SB34PD

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                                                 *                                                 *
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAG
                                                 *                                                 *
28 FEB 0100   1      0.       .0    63.5 * 28 FEB 0915  34      0.       .1    63.8 * 28 FEB 1730  67      2.      1.0    66.0
28 FEB 0115   2      0.       .0    63.5 * 28 FEB 0930  35      0.       .1    63.9 * 28 FEB 1745  68      2.      1.0    66.0
28 FEB 0130   3      0.       .0    63.5 * 28 FEB 0945  36      0.       .2    64.0 * 28 FEB 1800  69      2.      1.0    66.0
28 FEB 0145   4      0.       .0    63.5 * 28 FEB 1000  37      0.       .2    64.0 * 28 FEB 1815  70      2.      1.0    66.0
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28 FEB	0200	5	0.	.0	63.5 *	28 FEB	1015	38	0.	.2	64.1 *	28 FEB	1830	71	2.	1.0	66.0
28 FEB	0215	6	0.	.0	63.5 *	28 FEB	1030	39	0.	.2	64.2 *	28 FEB	1845	72	2.	1.0	66.0
28 FEB	0230	7	0.	.0	63.5 *	28 FEB	1045	40	0.	.3	64.3 *	28 FEB	1900	73	2.	1.0	66.0
28 FEB	0245	8	0.	.0	63.5 *	28 FEB	1100	41	0.	.3	64.4 *	28 FEB	1915	74	1.	1.0	66.0
28 FEB	0300	9	0.	.0	63.5 *	28 FEB	1115	42	0.	.4	64.5 *	28 FEB	1930	75	1.	1.0	65.9
FEB	0315	10	0.	.0	63.5 *	28 FEB	1130	43	0.	.4	64.7 *	28 FEB	1945	76	1.	1.0	65.9
FEB	0330	11	0.	.0	63.5 *	28 FEB	1145	44	0.	.5	64.8 *	28 FEB	2000	77	1.	1.0	65.9
28 FEB	0345	12	0.	.0	63.5 *	28 FEB	1200	45	0.	.5	65.0 *	28 FEB	2015	78	1.	1.0	65.9
28 FEB	0400	13	0.	.0	63.5 *	28 FEB	1215	46	0.	.6	65.2 *	28 FEB	2030	79	1.	1.0	65.9
28 FEB	0415	14	0.	.0	63.5 *	28 FEB	1230	47	0.	.7	65.6 *	28 FEB	2045	80	1.	1.0	65.9
28 FEB	0430	15	0.	.0	63.5 *	28 FEB	1245	48	0.	.9	65.8 *	28 FEB	2100	81	1.	1.0	65.9
28 FEB	0445	16	0.	.0	63.5 *	28 FEB	1300	49	5.	1.1	66.0 *	28 FEB	2115	82	1.	1.0	65.9
28 FEB	0500	17	0.	.0	63.5 *	28 FEB	1315	50	18.	1.5	66.3 *	28 FEB	2130	83	1.	1.0	65.9
28 FEB	0515	18	0.	.0	63.5 *	28 FEB	1330	51	25.	1.7	66.4 *	28 FEB	2145	84	1.	1.0	65.9
28 FEB	0530	19	0.	.0	63.5 *	28 FEB	1345	52	21.	1.6	66.3 *	28 FEB	2200	85	1.	1.0	65.9
28 FEB	0545	20	0.	.0	63.5 *	28 FEB	1400	53	16.	1.4	66.2 *	28 FEB	2215	86	1.	1.0	65.9
28 FEB	0600	21	0.	.0	63.5 *	28 FEB	1415	54	11.	1.3	66.1 *	28 FEB	2230	87	1.	1.0	65.9
28 FEB	0615	22	0.	.0	63.5 *	28 FEB	1430	55	8.	1.2	66.1 *	28 FEB	2245	88	1.	1.0	65.9
28 FEB	0630	23	0.	.0	63.5 *	28 FEB	1445	56	6.	1.1	66.0 *	28 FEB	2300	89	1.	1.0	65.9
28 FEB	0645	24	0.	.0	63.5 *	28 FEB	1500	57	5.	1.1	66.0 *	28 FEB	2315	90	1.	1.0	65.9
28 FEB	0700	25	0.	.0	63.5 *	28 FEB	1515	58	4.	1.1	66.0 *	28 FEB	2330	91	1.	1.0	65.9
28 FEB	0715	26	0.	.0	63.6 *	28 FEB	1530	59	4.	1.1	66.0 *	28 FEB	2345	92	1.	1.0	65.9
28 FEB	0730	27	0.	.0	63.6 *	28 FEB	1545	60	3.	1.1	66.0 *	1 MAR	0000	93	1.	1.0	65.9
28 FEB	0745	28	0.	.0	63.6 *	28 FEB	1600	61	3.	1.1	66.0 *	1 MAR	0015	94	1.	1.0	65.9
28 FEB	0800	29	0.	.0	63.6 *	28 FEB	1615	62	3.	1.0	66.0 *	1 MAR	0030	95	1.	1.0	65.9
28 FEB	0815	30	0.	.1	63.7 *	28 FEB	1630	63	3.	1.0	66.0 *	1 MAR	0045	96	1.	1.0	65.9
28 FEB	0830	31	0.	.1	63.7 *	28 FEB	1645	64	2.	1.0	66.0 *	1 MAR	0100	97	1.	1.0	65.9
28 FEB	0845	32	0.	.1	63.7 *	28 FEB	1700	65	2.	1.0	66.0 *						
28 FEB	0900	33	0.	.1	63.8 *	28 FEB	1715	66	2.	1.0	66.0 *						

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
(CFS)	(HR)					
		(CFS)				
+ 25.	12.50		6.	2.	2.	2.
		(INCHES)	3.442	4.007	4.007	4.007
		(AC-FT)	3.	4.	4.	4.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
2.	12.50	1.	1.	1.	1.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
66.39	12.50	66.04	64.94	64.94	64.94

CUMULATIVE AREA = .02 SQ MI

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             *             *
233 KK       *   SB34CH    *
             *             *
             ***************

234 KO          OUTPUT CONTROL VARIABLES
                    IPRNT           1  PRINT CONTROL
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                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH COMMERCE WAY at SB34

          HYDROGRAPH ROUTING DATA

236 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      59.10  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

237 SA          AREA          .0        .0        .1        .1        .1

238 SE        ELEVATION      59.10     60.00     62.00     64.00     66.00

239 SL        LOW-LEVEL OUTLET
                ELEVL      61.40  ELEVATION AT CENTER OF OUTLET
                CAREA      12.57  CROSS-SECTIONAL AREA
                 COQL        .60  COEFFICIENT
                 EXPL        .50  EXPONENT OF HEAD

240 SS        SPILLWAY
                 CREL      65.90  SPILLWAY CREST ELEVATION
                SPWID        .00  SPILLWAY WIDTH
                 COQW        .00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                  ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .01       .11       .26       .48
      ELEVATION     59.10     60.00     62.00     64.00     66.00

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00     82.66     87.08     92.01     97.53    103.75    110.82    118.93    128.31
      ELEVATION     59.10     61.40     63.27     63.47     63.71     64.00     64.34     64.76     65.27     65.90

                                COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .01       .07       .11       .20       .22       .24       .26       .30       .34
        OUTFLOW       .00       .00       .00     46.85     82.66     87.08     92.01     97.53    103.75    110.82
      ELEVATION     59.10     60.00     61.40     62.00     63.27     63.47     63.71     64.00     64.34     64.76

        STORAGE       .39       .47       .48
        OUTFLOW    118.93    128.31    129.73
      ELEVATION     65.27     65.90     66.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO      130.
              THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
              THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                        HYDROGRAPH AT STATION   SB34CH

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                                        *                                        *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STA.
                                        *                                        *
 28 FEB 0100   1       0.       .0    59.1 * 28 FEB 0915  34       2.       .1    61.4 * 28 FEB 1730  67     198.      1.1    70.8
 28 FEB 0115   2       0.       .0    59.1 * 28 FEB 0930  35       3.       .1    61.4 * 28 FEB 1745  68     199.      1.1    70.9
 28 FEB 0130   3       0.       .0    59.1 * 28 FEB 0945  36       4.       .1    61.5 * 28 FEB 1800  69     200.      1.1    70.9
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28 FEB 0145	4	0.	.0	59.1	*	28 FEB 1000	37	6.	.1	61.5	*	28 FEB 1815	70	201.	1.1	71.0
28 FEB 0200	5	0.	.0	59.1	*	28 FEB 1015	38	8.	.1	61.5	*	28 FEB 1830	71	201.	1.1	71.0
28 FEB 0215	6	0.	.0	59.1	*	28 FEB 1030	39	11.	.1	61.5	*	28 FEB 1845	72	201.	1.1	71.1
28 FEB 0230	7	0.	.0	59.1	*	28 FEB 1045	40	14.	.1	61.6	*	28 FEB 1900	73	201.	1.1	71.0
28 FEB 0245	8	0.	.0	59.1	*	28 FEB 1100	41	18.	.1	61.6	*	28 FEB 1915	74	201.	1.1	71.0
FEB 0300	9	0.	.0	59.1	*	28 FEB 1115	42	22.	.1	61.7	*	28 FEB 1930	75	200.	1.1	70.9
FEB 0315	10	0.	.0	59.1	*	28 FEB 1130	43	25.	.1	61.7	*	28 FEB 1945	76	199.	1.1	70.9
FEB 0330	11	0.	.0	59.1	*	28 FEB 1145	44	27.	.1	61.8	*	28 FEB 2000	77	197.	1.1	70.8
28 FEB 0345	12	0.	.0	59.1	*	28 FEB 1200	45	31.	.1	61.8	*	28 FEB 2015	78	195.	1.0	70.6
28 FEB 0400	13	0.	.0	59.1	*	28 FEB 1215	46	37.	.1	61.9	*	28 FEB 2030	79	192.	1.0	70.4
28 FEB 0415	14	0.	.0	59.1	*	28 FEB 1230	47	46.	.1	62.0	*	28 FEB 2045	80	188.	1.0	70.1
28 FEB 0430	15	0.	.0	59.1	*	28 FEB 1245	48	54.	.1	62.3	*	28 FEB 2100	81	183.	.9	69.7
28 FEB 0445	16	0.	.0	59.1	*	28 FEB 1300	49	79.	.2	63.1	*	28 FEB 2115	82	175.	.9	69.2
28 FEB 0500	17	0.	.0	59.1	*	28 FEB 1315	50	122.	.4	65.5	*	28 FEB 2130	83	168.	.8	68.7
28 FEB 0515	18	0.	.0	59.1	*	28 FEB 1330	51	157.	.7	67.9	*	28 FEB 2145	84	160.	.7	68.1
28 FEB 0530	19	0.	.0	59.1	*	28 FEB 1345	52	166.	.8	68.5	*	28 FEB 2200	85	153.	.7	67.6
28 FEB 0545	20	0.	.0	59.1	*	28 FEB 1400	53	157.	.7	67.9	*	28 FEB 2215	86	147.	.6	67.2
28 FEB 0600	21	0.	.0	59.1	*	28 FEB 1415	54	152.	.7	67.5	*	28 FEB 2230	87	143.	.6	66.9
28 FEB 0615	22	0.	.0	59.1	*	28 FEB 1430	55	151.	.7	67.5	*	28 FEB 2245	88	138.	.6	66.6
28 FEB 0630	23	0.	.0	59.1	*	28 FEB 1445	56	158.	.7	68.0	*	28 FEB 2300	89	133.	.5	66.2
28 FEB 0645	24	0.	.0	59.1	*	28 FEB 1500	57	165.	.8	68.5	*	28 FEB 2315	90	127.	.5	65.8
28 FEB 0700	25	0.	.0	59.3	*	28 FEB 1515	58	170.	.8	68.8	*	28 FEB 2330	91	122.	.4	65.5
28 FEB 0715	26	0.	.0	60.2	*	28 FEB 1530	59	175.	.9	69.2	*	28 FEB 2345	92	117.	.4	65.1
28 FEB 0730	27	0.	.0	60.7	*	28 FEB 1545	60	179.	.9	69.5	*	1 MAR 0000	93	113.	.4	64.9
28 FEB 0745	28	0.	.1	61.3	*	28 FEB 1600	61	183.	.9	69.8	*	1 MAR 0015	94	108.	.3	64.6
28 FEB 0800	29	2.	.1	61.4	*	28 FEB 1615	62	187.	1.0	70.0	*	1 MAR 0030	95	104.	.3	64.4
28 FEB 0815	30	1.	.1	61.4	*	28 FEB 1630	63	189.	1.0	70.2	*	1 MAR 0045	96	101.	.3	64.2
28 FEB 0830	31	2.	.1	61.4	*	28 FEB 1645	64	192.	1.0	70.4	*	1 MAR 0100	97	98.	.3	64.0
28 FEB 0845	32	2.	.1	61.4	*	28 FEB 1700	65	194.	1.0	70.5	*					
28 FEB 0900	33	3.	.1	61.4	*	28 FEB 1715	66	196.	1.1	70.7	*					
					*						*					

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PEAK FLOW	TIME			MAXIMUM AVERAGE FLOW		
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 201.	17.75		193.	86.	86.	86.
		(INCHES)	1.227	2.203	2.203	2.203
		(AC-FT)	96.	172.	172.	172.

PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE		
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	17.75	1.	0.	0.	0.

PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE		
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
71.05	17.75	70.44	64.42	64.42	64.42

CUMULATIVE AREA = 1.46 SQ MI

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          *             *
241 KK    *    HB4BCL   *
          *             *
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242 KO         OUTPUT CONTROL VARIABLES
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                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH COMMERCE WAY AT HB4B

          HYDROGRAPH ROUTING DATA

244 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      57.80  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

245 SA           AREA         .0        .0        .1        .1        .1        .1

246 SE        ELEVATION     57.80     59.00     61.00     63.00     65.00     66.80

247 SL        LOW-LEVEL OUTLET
                ELEVL      59.00  ELEVATION AT CENTER OF OUTLET
                CAREA      12.57  CROSS-SECTIONAL AREA
                 COQL        .60  COEFFICIENT
                 EXPL        .50  EXPONENT OF HEAD

248 SS        SPILLWAY
                 CREL      66.70  SPILLWAY CREST ELEVATION
                SPWID        .00  SPILLWAY WIDTH
                 COQW        .00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                  ***

                                    COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .02       .13       .29       .48       .70
      ELEVATION     57.80     59.00     61.00     63.00     65.00     66.80

                                    COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00     84.26     90.71     98.23    107.12    117.77    130.78    147.01    167.84
      ELEVATION     57.80     59.00     60.94     61.25     61.64     62.14     62.79     63.67     64.91     66.70


                                  COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .02       .13       .13       .15       .18       .21       .27       .29       .35
        OUTFLOW       .00       .00     84.26     85.54     90.71     98.23    107.12    117.77    120.97    130.78
      ELEVATION     57.80     59.00     60.94     61.00     61.25     61.64     62.14     62.79     63.00     63.67

        STORAGE       .47       .48       .69       .70
        OUTFLOW    147.01    148.16    167.84    168.93
      ELEVATION     64.91     65.00     66.70     66.80

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO      168.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                          HYDROGRAPH AT STATION   HB4BCL

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                                                *                                                *
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                                *                                                *
28 FEB 0100   1      0.       .0    57.8 * 28 FEB 0915  34      3.       .0    59.1 * 28 FEB 1730  67     197.      1.0    69.3
28 FEB 0115   2      0.       .0    57.8 * 28 FEB 0930  35      3.       .0    59.1 * 28 FEB 1745  68     198.      1.0    69.5
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28 FEB 0130	3	0.	.0	57.8	*	28 FEB 0945	36	5.	.0	59.1	*	28 FEB 1800	69	199.	1.1	69.6
28 FEB 0145	4	0.	.0	57.8	*	28 FEB 1000	37	6.	.0	59.1	*	28 FEB 1815	70	200.	1.1	69.7
28 FEB 0200	5	0.	.0	57.8	*	28 FEB 1015	38	8.	.0	59.2	*	28 FEB 1830	71	201.	1.1	69.7
28 FEB 0215	6	0.	.0	57.8	*	28 FEB 1030	39	11.	.0	59.2	*	28 FEB 1845	72	201.	1.1	69.8
FEB 0230	7	0.	.0	57.8	*	28 FEB 1045	40	14.	.0	59.3	*	28 FEB 1900	73	201.	1.1	69.8
FEB 0245	8	0.	.0	57.8	*	28 FEB 1100	41	18.	.0	59.4	*	28 FEB 1915	74	201.	1.1	69.8
28 FEB 0300	9	0.	.0	57.8	*	28 FEB 1115	42	22.	.0	59.5	*	28 FEB 1930	75	200.	1.1	69.7
28 FEB 0315	10	0.	.0	57.8	*	28 FEB 1130	43	24.	.1	59.6	*	28 FEB 1945	76	199.	1.1	69.6
28 FEB 0330	11	0.	.0	57.8	*	28 FEB 1145	44	27.	.1	59.6	*	28 FEB 2000	77	198.	1.0	69.5
28 FEB 0345	12	0.	.0	57.8	*	28 FEB 1200	45	31.	.1	59.7	*	28 FEB 2015	78	196.	1.0	69.3
28 FEB 0400	13	0.	.0	57.8	*	28 FEB 1215	46	37.	.1	59.9	*	28 FEB 2030	79	194.	1.0	69.1
28 FEB 0415	14	0.	.0	57.8	*	28 FEB 1230	47	45.	.1	60.0	*	28 FEB 2045	80	190.	1.0	68.8
28 FEB 0430	15	0.	.0	57.8	*	28 FEB 1245	48	54.	.1	60.2	*	28 FEB 2100	81	186.	.9	68.3
28 FEB 0445	16	0.	.0	57.8	*	28 FEB 1300	49	77.	.1	60.8	*	28 FEB 2115	82	179.	.8	67.8
28 FEB 0500	17	0.	.0	57.8	*	28 FEB 1315	50	112.	.2	62.5	*	28 FEB 2130	83	172.	.7	67.1
28 FEB 0515	18	0.	.0	57.8	*	28 FEB 1330	51	145.	.5	64.8	*	28 FEB 2145	84	164.	.6	66.4
28 FEB 0530	19	0.	.0	57.8	*	28 FEB 1345	52	162.	.6	66.2	*	28 FEB 2200	85	157.	.6	65.7
28 FEB 0545	20	0.	.0	57.8	*	28 FEB 1400	53	161.	.6	66.1	*	28 FEB 2215	86	150.	.5	65.2
28 FEB 0600	21	0.	.0	57.8	*	28 FEB 1415	54	154.	.5	65.5	*	28 FEB 2230	87	144.	.5	64.7
28 FEB 0615	22	0.	.0	57.8	*	28 FEB 1430	55	151.	.5	65.3	*	28 FEB 2245	88	140.	.4	64.4
28 FEB 0630	23	0.	.0	57.8	*	28 FEB 1445	56	154.	.5	65.5	*	28 FEB 2300	89	135.	.4	64.0
28 FEB 0645	24	0.	.0	57.8	*	28 FEB 1500	57	161.	.6	66.1	*	28 FEB 2315	90	129.	.3	63.5
28 FEB 0700	25	0.	.0	57.8	*	28 FEB 1515	58	168.	.7	66.7	*	28 FEB 2330	91	123.	.3	63.2
28 FEB 0715	26	0.	.0	57.8	*	28 FEB 1530	59	172.	.7	67.1	*	28 FEB 2345	92	118.	.3	62.8
28 FEB 0730	27	0.	.0	57.8	*	28 FEB 1545	60	177.	.8	67.5	*	1 MAR 0000	93	114.	.2	62.5
28 FEB 0745	28	0.	.0	57.8	*	28 FEB 1600	61	181.	.8	67.9	*	1 MAR 0015	94	109.	.2	62.3
28 FEB 0800	29	0.	.0	59.0	*	28 FEB 1615	62	185.	.9	68.3	*	1 MAR 0030	95	105.	.2	62.0
28 FEB 0815	30	3.	.0	59.1	*	28 FEB 1630	63	188.	.9	68.5	*	1 MAR 0045	96	102.	.2	61.8
28 FEB 0830	31	1.	.0	59.0	*	28 FEB 1645	64	190.	.9	68.8	*	1 MAR 0100	97	98.	.2	61.6
28 FEB 0845	32	3.	.0	59.1	*	28 FEB 1700	65	193.	1.0	69.0	*					
28 FEB 0900	33	2.	.0	59.0	*	28 FEB 1715	66	195.	1.0	69.2	*					
					*						*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 201.	18.00		193.	86.	86.	86.
		(INCHES)	1.226	2.201	2.201	2.201
		(AC-FT)	95.	171.	171.	171.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	18.00	1.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
69.78	18.00	68.98	62.58	62.58	62.58

CUMULATIVE AREA = 1.46 SQ MI

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              *             *
 249 KK       *      SB7    *
              *             *
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250 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

252 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .01  SUBBASIN AREA

                PRECIPITATION DATA

253 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                   STORM AREA =     .01

254 LS          SCS LOSS RATE
                      STRTL        .74  INITIAL ABSTRACTION
                     CRVNBR      73.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

255 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .25  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                            7 END-OF-PERIOD ORDINATES
              14.       15.        5.        2.        1.        0.        0.
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HYDROGRAPH AT STATION SB7

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.43	.87	18.
28 FEB 0115	2	.02	.02	.00	0.	*	28 FEB 1330	51	.34	.09	.25	18.
28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.06	.18	11.
28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.04	.15	8.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.02	.09	5.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.02	.08	4.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.02	.07	3.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.02	.07	3.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.02	.06	2.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.01	.06	2.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.01	.05	2.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.04	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	1.

28 FEB 0630	23	.03	.03	.00	0.	*	28 FEB 1845	72	.03	.01	.03	1.
28 FEB 0645	24	.03	.03	.00	0.	*	28 FEB 1900	73	.03	.01	.03	1.
28 FEB 0700	25	.03	.03	.00	0.	*	28 FEB 1915	74	.03	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.00	0.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.04	.00	0.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.05	.01	0.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.05	.01	0.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.05	.01	0.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.06	.01	0.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.06	.02	0.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.06	.02	1.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.06	.02	1.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.06	.03	1.	*	1 MAR 0000	93	.02	.00	.01	1.
28 FEB 1200	45	.10	.07	.03	1.	*	1 MAR 0015	94	.02	.00	.01	1.
28 FEB 1215	46	.17	.11	.06	2.	*	1 MAR 0030	95	.02	.00	.01	1.
28 FEB 1230	47	.21	.12	.09	2.	*	1 MAR 0045	96	.02	.00	.01	1.
28 FEB 1245	48	.27	.14	.13	3.	*	1 MAR 0100	97	.02	.00	.01	1.
28 FEB 1300	49	.59	.26	.32	7.	*						
						*						

****

TOTAL RAINFALL = 6.60, TOTAL LOSS = 3.01, TOTAL EXCESS = 3.59

~AK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 18.	12.50		4.	1.	1.	1.
		(INCHES)	2.877	3.572	3.572	3.572
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .01 SQ MI

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          **************
          *            *
256 KK    *      SB6   *
          *            *
          **************

257 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

~59 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .00  SUBBASIN AREA

              PRECIPITATION DATA
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260 PH                                  DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                  ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                  5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                    .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                   STORM AREA =     .00

261 LS            SCS LOSS RATE
                       STRTL        .74  INITIAL ABSTRACTION
                      CRVNBR      73.00  CURVE NUMBER
                       RTIMP        .00  PERCENT IMPERVIOUS AREA

262 UD            SCS DIMENSIONLESS UNITGRAPH
                        TLAG        .21  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                               6 END-OF-PERIOD ORDINATES
                  5.       4.       1.       0.       0.       0.
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HYDROGRAPH AT STATION SB6

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.43	.87	6.
28 FEB 0115	2	.02	.02	.00	0.	*	28 FEB 1330	51	.34	.09	.25	5.
28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.06	.18	3.
28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.04	.15	2.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.02	.09	1.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.02	.08	1.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.02	.07	1.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.02	.07	1.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.02	.06	1.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.01	.06	1.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.01	.05	1.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	1.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.04	0.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	0.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	0.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	0.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	0.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.03	0.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	0.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	0.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	0.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.01	.03	0.
28 FEB 0630	23	.03	.03	.00	0.	*	28 FEB 1845	72	.03	.01	.03	0.
28 FEB 0645	24	.03	.03	.00	0.	*	28 FEB 1900	73	.03	.01	.03	0.
28 FEB 0700	25	.03	.03	.00	0.	*	28 FEB 1915	74	.03	.00	.02	0.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.00	.02	0.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.03	.00	.02	0.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.03	.00	.02	0.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	0.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.02	0.

28 FEB 0930	35	.05	.04	.00	0.	*	28 FEB 2145	84	.02	.00	.02	0.
28 FEB 0945	36	.05	.04	.00	0.	*	28 FEB 2200	85	.02	.00	.02	0.
28 FEB 1000	37	.05	.05	.01	0.	*	28 FEB 2215	86	.02	.00	.02	0.
28 FEB 1015	38	.06	.05	.01	0.	*	28 FEB 2230	87	.02	.00	.02	0.
28 FEB 1030	39	.06	.05	.01	0.	*	28 FEB 2245	88	.02	.00	.02	0.
28 FEB 1045	40	.07	.06	.01	0.	*	28 FEB 2300	89	.02	.00	.02	0.
28 FEB 1100	41	.07	.06	.02	0.	*	28 FEB 2315	90	.02	.00	.02	0.
28 FEB 1115	42	.08	.06	.02	0.	*	28 FEB 2330	91	.02	.00	.02	0.
28 FEB 1130	43	.09	.06	.02	0.	*	28 FEB 2345	92	.02	.00	.02	0.
28 FEB 1145	44	.09	.06	.03	0.	*	1 MAR 0000	93	.02	.00	.01	0.
28 FEB 1200	45	.10	.07	.03	0.	*	1 MAR 0015	94	.02	.00	.01	0.
28 FEB 1215	46	.17	.11	.06	0.	*	1 MAR 0030	95	.02	.00	.01	0.
28 FEB 1230	47	.21	.12	.09	1.	*	1 MAR 0045	96	.02	.00	.01	0.
28 FEB 1245	48	.27	.14	.13	1.	*	1 MAR 0100	97	.02	.00	.01	0.
28 FEB 1300	49	.59	.26	.32	2.	*						
						*						

****

TOTAL RAINFALL = 6.60, TOTAL LOSS = 3.01, TOTAL EXCESS = 3.59

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 6.	12.25		1.	0.	0.	0.
		(INCHES)	2.878	3.575	3.575	3.575
		(AC-FT)	1.	1.	1.	1.

CUMULATIVE AREA = .00 SQ MI

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          **************
          *            *
266 KK    *    SB7CH   *
          *            *
          **************

267 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            STORAGE ROUTING THROUGH SB7 CHANNEL

             HYDROGRAPH ROUTING DATA

269 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       STOR  TYPE OF INITIAL CONDITION
                   RSVRIC        .00  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

270 RC        NORMAL DEPTH CHANNEL ROUTING
                      ANL       .080  LEFT OVERBANK N-VALUE
                     ANCH       .030  MAIN CHANNEL N-VALUE
                      ANR       .080  RIGHT OVERBANK N-VALUE
                    RLNTH       900.  REACH LENGTH
                      SEL      .0020  ENERGY SLOPE
                    ELMAX       70.0  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                  CROSS-SECTION DATA
                      --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
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272 RY	ELEVATION	71.00	70.50	70.00	67.00	67.00	70.00	70.50	71.00
271 RX	DISTANCE	.00	5.00	10.00	13.00	18.00	21.00	26.00	31.00

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.02	.03	.05	.07	.09	.12	.14	.16	.19
OUTFLOW	.00	.51	1.61	3.17	5.14	7.48	10.18	13.24	16.66	20.43
ELEVATION	67.00	67.16	67.32	67.47	67.63	67.79	67.95	68.11	68.26	68.42
STORAGE	.21	.24	.27	.30	.33	.36	.39	.43	.46	.50
OUTFLOW	24.55	29.03	33.87	39.08	44.66	50.61	56.94	63.66	70.78	78.29
ELEVATION	68.58	68.74	68.89	69.05	69.21	69.37	69.53	69.68	69.84	70.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 3. TO 78.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION SB7CH

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DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.0	67.0	28 FEB 0915	34	0.	.0	67.0	28 FEB 1730	67	2.	.0	67.3
28 FEB 0115	2	0.	.0	67.0	28 FEB 0930	35	0.	.0	67.0	28 FEB 1745	68	2.	.0	67.3
28 FEB 0130	3	0.	.0	67.0	28 FEB 0945	36	0.	.0	67.0	28 FEB 1800	69	2.	.0	67.3
28 FEB 0145	4	0.	.0	67.0	28 FEB 1000	37	0.	.0	67.0	28 FEB 1815	70	2.	.0	67
28 FEB 0200	5	0.	.0	67.0	28 FEB 1015	38	0.	.0	67.1	28 FEB 1830	71	1.	.0	6
28 FEB 0215	6	0.	.0	67.0	28 FEB 1030	39	0.	.0	67.1	28 FEB 1845	72	1.	.0	67.
28 FEB 0230	7	0.	.0	67.0	28 FEB 1045	40	0.	.0	67.1	28 FEB 1900	73	1.	.0	67.3
28 FEB 0245	8	0.	.0	67.0	28 FEB 1100	41	0.	.0	67.1	28 FEB 1915	74	1.	.0	67.3
28 FEB 0300	9	0.	.0	67.0	28 FEB 1115	42	1.	.0	67.2	28 FEB 1930	75	1.	.0	67.3
28 FEB 0315	10	0.	.0	67.0	28 FEB 1130	43	1.	.0	67.2	28 FEB 1945	76	1.	.0	67.2
28 FEB 0330	11	0.	.0	67.0	28 FEB 1145	44	1.	.0	67.2	28 FEB 2000	77	1.	.0	67.2
28 FEB 0345	12	0.	.0	67.0	28 FEB 1200	45	1.	.0	67.3	28 FEB 2015	78	1.	.0	67.2
28 FEB 0400	13	0.	.0	67.0	28 FEB 1215	46	2.	.0	67.3	28 FEB 2030	79	1.	.0	67.2
28 FEB 0415	14	0.	.0	67.0	28 FEB 1230	47	3.	.0	67.4	28 FEB 2045	80	1.	.0	67.2
28 FEB 0430	15	0.	.0	67.0	28 FEB 1245	48	4.	.1	67.5	28 FEB 2100	81	1.	.0	67.2
28 FEB 0445	16	0.	.0	67.0	28 FEB 1300	49	7.	.1	67.8	28 FEB 2115	82	1.	.0	67.2
28 FEB 0500	17	0.	.0	67.0	28 FEB 1315	50	18.	.2	68.3	28 FEB 2130	83	1.	.0	67.2
28 FEB 0515	18	0.	.0	67.0	28 FEB 1330	51	25.	.2	68.6	28 FEB 2145	84	1.	.0	67.2
28 FEB 0530	19	0.	.0	67.0	28 FEB 1345	52	17.	.2	68.3	28 FEB 2200	85	1.	.0	67.2
28 FEB 0545	20	0.	.0	67.0	28 FEB 1400	53	11.	.1	68.0	28 FEB 2215	86	1.	.0	67.2
28 FEB 0600	21	0.	.0	67.0	28 FEB 1415	54	8.	.1	67.8	28 FEB 2230	87	1.	.0	67.2
28 FEB 0615	22	0.	.0	67.0	28 FEB 1430	55	5.	.1	67.7	28 FEB 2245	88	1.	.0	67.2
28 FEB 0630	23	0.	.0	67.0	28 FEB 1445	56	4.	.1	67.6	28 FEB 2300	89	1.	.0	67.2
28 FEB 0645	24	0.	.0	67.0	28 FEB 1500	57	4.	.1	67.5	28 FEB 2315	90	1.	.0	67.2
28 FEB 0700	25	0.	.0	67.0	28 FEB 1515	58	3.	.1	67.5	28 FEB 2330	91	1.	.0	67.2
28 FEB 0715	26	0.	.0	67.0	28 FEB 1530	59	3.	.1	67.5	28 FEB 2345	92	1.	.0	67.2
28 FEB 0730	27	0.	.0	67.0	28 FEB 1545	60	3.	.0	67.4	1 MAR 0000	93	1.	.0	67.2
28 FEB 0745	28	0.	.0	67.0	28 FEB 1600	61	3.	.0	67.4	1 MAR 0015	94	1.	.0	67.2
28 FEB 0800	29	0.	.0	67.0	28 FEB 1615	62	2.	.0	67.4	1 MAR 0030	95	1.	.0	67.2
28 FEB 0815	30	0.	.0	67.0	28 FEB 1630	63	2.	.0	67.4	1 MAR 0045	96	1.	.0	67.2
28 FEB 0830	31	0.	.0	67.0	28 FEB 1645	64	2.	.0	67.4	1 MAR 0100	97	1.	.0	67.2
28 FEB 0845	32	0.	.0	67.0	28 FEB 1700	65	2.	.0	67.3					
28 FEB 0900	33	0.	.0	67.0	28 FEB 1715	66	2.	.0	67.3					

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PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR

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+   (CFS)       (HR)
                          (CFS)
+      25.     12.50                    6.          2.          2.          2.
                        (INCHES)     2.874       3.553       3.553       3.553
                         (AC-FT)        3.          3.          3.          3.

 PEAK STORAGE   TIME                          MAXIMUM AVERAGE STORAGE
                                        6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
        0.     12.50                    0.          0.          0.          0.

  PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                        6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
     68.58     12.50                   67.59       67.23       67.23       67.23

                         CUMULATIVE AREA =     .02 SQ MI


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            *            *
 273 KK     *      SB1   *
            *            *
            **************

 274 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

 276 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .03  SUBBASIN AREA

                 PRECIPITATION DATA

 277 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                   STORM AREA =     .03

 278 LS          SCS LOSS RATE
                       STRTL         .27  INITIAL ABSTRACTION
                      CRVNBR       88.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 279 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .15  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                        UNIT HYDROGRAPH
                                                    5 END-OF-PERIOD ORDINATES
                 55.       21.        5.        1.        0.
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HYDROGRAPH AT STATION SB1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	28	FEB	1315	50	1.30	.12	1.18	77.
28	FEB	0115	2	.02	.02	.00	0.	28	FEB	1330	51	.34	.02	.32	45.
28	FEB	0130	3	.02	.02	.00	0.	28	FEB	1345	52	.23	.01	.22	25.
28	FEB	0145	4	.02	.02	.00	0.	28	FEB	1400	53	.19	.01	.18	17.
28	FEB	0200	5	.02	.02	.00	0.	28	FEB	1415	54	.11	.01	.11	11.
28	FEB	0215	6	.02	.02	.00	0.	28	FEB	1430	55	.10	.00	.09	8.
28	FEB	0230	7	.02	.02	.00	0.	28	FEB	1445	56	.09	.00	.09	8.
28	FEB	0245	8	.02	.02	.00	0.	28	FEB	1500	57	.09	.00	.08	7.
28	FEB	0300	9	.02	.02	.00	0.	28	FEB	1515	58	.08	.00	.07	6.
28	FEB	0315	10	.02	.02	.00	0.	28	FEB	1530	59	.07	.00	.07	6.
28	FEB	0330	11	.02	.02	.00	0.	28	FEB	1545	60	.07	.00	.06	5.
28	FEB	0345	12	.02	.02	.00	0.	28	FEB	1600	61	.06	.00	.06	5.
28	FEB	0400	13	.02	.02	.00	0.	28	FEB	1615	62	.05	.00	.05	5.
28	FEB	0415	14	.02	.02	.00	0.	28	FEB	1630	63	.05	.00	.05	4.
28	FEB	0430	15	.02	.02	.00	0.	28	FEB	1645	64	.05	.00	.05	4.
28	FEB	0445	16	.02	.02	.00	0.	28	FEB	1700	65	.05	.00	.04	4.
28	FEB	0500	17	.02	.02	.00	0.	28	FEB	1715	66	.04	.00	.04	4.
28	FEB	0515	18	.02	.02	.00	0.	28	FEB	1730	67	.04	.00	.04	3.
28	FEB	0530	19	.02	.02	.00	0.	28	FEB	1745	68	.04	.00	.04	3.
28	FEB	0545	20	.02	.02	.00	0.	28	FEB	1800	69	.04	.00	.04	3.
28	FEB	0600	21	.02	.02	.00	0.	28	FEB	1815	70	.04	.00	.04	3.
28	FEB	0615	22	.02	.02	.00	0.	28	FEB	1830	71	.04	.00	.03	3.
28	FEB	0630	23	.03	.02	.01	0.	28	FEB	1845	72	.03	.00	.03	3.
28	FEB	0645	24	.03	.02	.01	0.	28	FEB	1900	73	.03	.00	.03	3.
28	FEB	0700	25	.03	.02	.01	1.	28	FEB	1915	74	.03	.00	.03	2.
28	FEB	0715	26	.03	.02	.01	1.	28	FEB	1930	75	.03	.00	.03	2.
28	FEB	0730	27	.03	.02	.01	1.	28	FEB	1945	76	.03	.00	.02	2.
28	FEB	0745	28	.04	.02	.01	1.	28	FEB	2000	77	.03	.00	.02	2.
28	FEB	0800	29	.04	.02	.01	1.	28	FEB	2015	78	.02	.00	.02	2.
28	FEB	0815	30	.04	.02	.01	1.	28	FEB	2030	79	.02	.00	.02	2.
28	FEB	0830	31	.04	.02	.02	1.	28	FEB	2045	80	.02	.00	.02	2.
28	FEB	0845	32	.04	.02	.02	1.	28	FEB	2100	81	.02	.00	.02	2.
28	FEB	0900	33	.04	.02	.02	2.	28	FEB	2115	82	.02	.00	.02	2.
28	FEB	0915	34	.04	.02	.02	2.	28	FEB	2130	83	.02	.00	.02	2.
28	FEB	0930	35	.05	.02	.02	2.	28	FEB	2145	84	.02	.00	.02	2.
28	FEB	0945	36	.05	.02	.03	2.	28	FEB	2200	85	.02	.00	.02	2.
28	FEB	1000	37	.05	.02	.03	2.	28	FEB	2215	86	.02	.00	.02	2.
28	FEB	1015	38	.06	.03	.04	3.	28	FEB	2230	87	.02	.00	.02	2.
28	FEB	1030	39	.06	.03	.04	3.	28	FEB	2245	88	.02	.00	.02	2.
28	FEB	1045	40	.07	.03	.04	3.	28	FEB	2300	89	.02	.00	.02	2.
28	FEB	1100	41	.07	.03	.05	4.	28	FEB	2315	90	.02	.00	.02	2.
28	FEB	1115	42	.08	.03	.05	4.	28	FEB	2330	91	.02	.00	.02	1.
28	FEB	1130	43	.09	.03	.06	5.	28	FEB	2345	92	.02	.00	.02	1.
28	FEB	1145	44	.09	.03	.06	5.	1	MAR	0000	93	.02	.00	.02	1.
28	FEB	1200	45	.10	.03	.08	6.	1	MAR	0015	94	.02	.00	.02	1.
28	FEB	1215	46	.17	.04	.13	9.	1	MAR	0030	95	.02	.00	.02	1.
28	FEB	1230	47	.21	.04	.16	12.	1	MAR	0045	96	.02	.00	.02	1.
28	FEB	1245	48	.28	.05	.23	17.	1	MAR	0100	97	.02	.00	.02	1.
28	FEB	1300	49	.59	.08	.51	34.								

TOTAL RAINFALL = 6.60, TOTAL LOSS = 1.39, TOTAL EXCESS = 5.21

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW 6-HR (CFS)	24-HR	72-HR	24.00-HR
+					

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+     77.     12.25                  14.         4.         4.         4.
                        (INCHES)    4.010      5.190      5.190      5.190
                         (AC-FT)      7.         9.         9.         9.

                         CUMULATIVE AREA =     .03 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


            **************
            *            *
 280 KK     *      SB2   *
            *            *
            **************

 281 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

 283 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .01  SUBBASIN AREA

                 PRECIPITATION DATA

 284 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .01

 285 LS          SCS LOSS RATE
                       STRTL         .11  INITIAL ABSTRACTION
                      CRVNBR       95.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 286 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .06  LAG

                                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                        UNIT HYDROGRAPH
                                                     5 END-OF-PERIOD ORDINATES
                21.        6.        1.        0.        0.

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                                                HYDROGRAPH AT STATION      SB2

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.30     .02    1.28        31.
      28 FEB 0115    2     .02     .02     .00         0.        *      28 FEB 1330   51     .34     .00     .33        15.
      28 FEB 0130    3     .02     .02     .00         0.        *      28 FEB 1345   52     .23     .00     .23         8.
      28 FEB 0145    4     .02     .02     .00         0.        *      28 FEB 1400   53     .19     .00     .19         6.
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28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.00	.11	4.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.00	.09	3.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.00	.09	3.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.00	.08	2.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.00	.08	2.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.00	.07	2.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.00	.07	2.
28 FEB 0345	12	.02	.01	.00	0.	*	28 FEB 1600	61	.06	.00	.06	2.
28 FEB 0400	13	.02	.01	.01	0.	*	28 FEB 1615	62	.05	.00	.05	2.
28 FEB 0415	14	.02	.01	.01	0.	*	28 FEB 1630	63	.05	.00	.05	1.
28 FEB 0430	15	.02	.01	.01	0.	*	28 FEB 1645	64	.05	.00	.05	1.
28 FEB 0445	16	.02	.01	.01	0.	*	28 FEB 1700	65	.05	.00	.05	1.
28 FEB 0500	17	.02	.01	.01	0.	*	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.01	.01	0.	*	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.01	.01	0.	*	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.01	.01	0.	*	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.01	.01	0.	*	28 FEB 1815	70	.04	.00	.04	1.
28 FEB 0615	22	.02	.01	.01	0.	*	28 FEB 1830	71	.04	.00	.04	1.
28 FEB 0630	23	.03	.01	.02	0.	*	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.01	.02	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.01	.02	0.	*	28 FEB 1915	74	.03	.00	.03	1.
28 FEB 0715	26	.03	.01	.02	1.	*	28 FEB 1930	75	.03	.00	.03	1.
28 FEB 0730	27	.03	.01	.02	1.	*	28 FEB 1945	76	.03	.00	.03	1.
28 FEB 0745	28	.04	.01	.03	1.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.01	.03	1.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.01	.03	1.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.01	.03	1.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.01	.03	1.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.01	.03	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.01	.04	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.01	.04	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.01	.04	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.01	.04	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.01	.05	1.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.01	.06	2.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.01	.06	2.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.01	.07	2.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.01	.07	2.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.01	.08	2.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.01	.08	2.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.01	.10	3.	*	1 MAR 0015	94	.02	.00	.02	0.
28 FEB 1215	46	.17	.01	.16	4.	*	1 MAR 0030	95	.02	.00	.02	0.
28 FEB 1230	47	.21	.01	.20	5.	*	1 MAR 0045	96	.02	.00	.02	0.
28 FEB 1245	48	.27	.01	.26	7.	*	1 MAR 0100	97	.02	.00	.02	0.
28 FEB 1300	49	.59	.02	.57	14.	*						
						*						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = .59, TOTAL EXCESS = 6.01

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 31.	12.25		5.	2.	2.	2.
		(INCHES)	4.447	5.994	5.994	5.994
		(AC-FT)	3.	4.	4.	4.

CUMULATIVE AREA = .01 SQ MI

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              **************
              *            *
290 KK        *    8CSWP   *
              *            *
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291 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                              DIRECT INPUT HYDROGRAPH FROM READING, UNDER RTE 93

  6 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN         15  TIME INTERVAL IN MINUTES
                     JXDATE    28FEB91  STARTING DATE
                     JXTIME        100  STARTING TIME

              SUBBASIN RUNOFF DATA

293 BA          SUBBASIN CHARACTERISTICS
                      TAREA       1.43  SUBBASIN AREA

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HYDROGRAPH AT STATION 8CSWP

DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
8 FEB 0100	1	0.	28 FEB 0715	26	11.	28 FEB 1330	51	449.	28 FEB 1945	76	223.
28 FEB 0115	2	0.	28 FEB 0730	27	11.	28 FEB 1345	52	549.	28 FEB 2000	77	213.
28 FEB 0130	3	0.	28 FEB 0745	28	11.	28 FEB 1400	53	572.	28 FEB 2015	78	203.
28 FEB 0145	4	0.	28 FEB 0800	29	11.	28 FEB 1415	54	547.	28 FEB 2030	79	194.
28 FEB 0200	5	0.	28 FEB 0815	30	11.	28 FEB 1430	55	502.	28 FEB 2045	80	184.
28 FEB 0215	6	0.	28 FEB 0830	31	11.	28 FEB 1445	56	453.	28 FEB 2100	81	169.
28 FEB 0230	7	0.	28 FEB 0845	32	11.	28 FEB 1500	57	411.	28 FEB 2115	82	148.
28 FEB 0245	8	0.	28 FEB 0900	33	12.	28 FEB 1515	58	379.	28 FEB 2130	83	131.
28 FEB 0300	9	1.	28 FEB 0915	34	13.	28 FEB 1530	59	358.	28 FEB 2145	84	119.
28 FEB 0315	10	3.	28 FEB 0930	35	15.	28 FEB 1545	60	343.	28 FEB 2200	85	110.
28 FEB 0330	11	4.	28 FEB 0945	36	17.	28 FEB 1600	61	331.	28 FEB 2215	86	102.
28 FEB 0345	12	6.	28 FEB 1000	37	20.	28 FEB 1615	62	323.	28 FEB 2230	87	97.
28 FEB 0400	13	7.	28 FEB 1015	38	23.	28 FEB 1630	63	316.	28 FEB 2245	88	92.
28 FEB 0415	14	8.	28 FEB 1030	39	27.	28 FEB 1645	64	309.	28 FEB 2300	89	89.
28 FEB 0430	15	9.	28 FEB 1045	40	32.	28 FEB 1700	65	303.	28 FEB 2315	90	86.
28 FEB 0445	16	10.	28 FEB 1100	41	38.	28 FEB 1715	66	298.	28 FEB 2330	91	84.
28 FEB 0500	17	10.	28 FEB 1115	42	44.	28 FEB 1730	67	293.	28 FEB 2345	92	83.
28 FEB 0515	18	10.	28 FEB 1130	43	52.	28 FEB 1745	68	287.	1 MAR 0000	93	81.
28 FEB 0530	19	10.	28 FEB 1145	44	61.	28 FEB 1800	69	282.	1 MAR 0015	94	80.
28 FEB 0545	20	10.	28 FEB 1200	45	70.	28 FEB 1815	70	276.	1 MAR 0030	95	79.
28 FEB 0600	21	11.	28 FEB 1215	46	82.	28 FEB 1830	71	269.	1 MAR 0045	96	78.
28 FEB 0615	22	11.	28 FEB 1230	47	102.	28 FEB 1845	72	261.	1 MAR 0100	97	77.
28 FEB 0630	23	11.	28 FEB 1245	48	132.	28 FEB 1900	73	252.			
28 FEB 0645	24	11.	28 FEB 1300	49	186.	28 FEB 1915	74	243.			
28 FEB 0700	25	11.	28 FEB 1315	50	300.	28 FEB 1930	75	233.			

	K FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
+	572.	13.00	(CFS)	360.	135.	135.	135.
			(INCHES)	2.339	3.513	3.513	3.513

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                    (AC-FT)      178.        268.        268.        268.

                    CUMULATIVE AREA =    1.43 SQ MI


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          **************
          *            *
307 KK    *     PHPND  *
          *            *
          **************

308 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH PHILLIPS POND

             HYDROGRAPH ROUTING DATA

310 RS          STORAGE ROUTING
                      NSTPS           1  NUMBER OF SUBREACHES
                       ITYP        ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC       57.00  INITIAL CONDITION
                          X         .00 WORKING R AND D COEFFICIENT

311 SA               AREA        3.9       4.8       5.5       7.5       8.8      11.9

312 SE          ELEVATION      57.00     59.50     60.60     62.00     64.00     66.00

313 SL          LOW-LEVEL OUTLET
                      ELEVL       57.50  ELEVATION AT CENTER OF OUTLET
                      CAREA       14.14  CROSS-SECTIONAL AREA
                       COQL         .60  COEFFICIENT
                       EXPL         .50  EXPONENT OF HEAD

314 SS          SPILLWAY
                       CREL       65.90  SPILLWAY CREST ELEVATION
                      SPWID       40.00  SPILLWAY WIDTH
                       COQW        3.00  WEIR COEFFICIENT
                       EXPW        1.50  EXPONENT OF HEAD

                                                    ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00      10.91     16.59     25.69     42.01     62.64
        ELEVATION      57.00      59.50     60.60     62.00     64.00     66.00

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00        .00     97.70    105.29    114.15    124.65    137.28    152.75    172.15    197.20
        ELEVATION      57.00      57.50     59.56     59.89     60.31     60.86     61.57     62.54     63.90     65.90

          OUTFLOW     197.39     197.54    197.77    198.07    198.46    198.96    199.56    200.29    201.16    202.17
        ELEVATION      65.91      65.91     65.92     65.93     65.94     65.95     65.96     65.97     65.98     66.00


                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00       2.00     10.91     11.21     12.86     15.05     16.59     18.05     22.60     25.69
          OUTFLOW        .00        .00     96.23     97.70    105.29    114.15    119.80    124.65    137.28    144.34
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ELEVATION	57.00	57.50	59.50	59.56	59.89	60.31	60.60	60.86	61.57	62.00
STORAGE	29.84	41.15	42.01	61.45	61.61	61.78	62.00	62.14	62.29	62.45
OUTFLOW	152.75	172.15	173.47	197.20	197.54	198.07	198.96	199.56	200.29	201.16
ELEVATION	62.54	63.90	64.00	65.90	65.91	65.93	65.95	65.96	65.97	65.98
STORAGE	62.64									
OUTFLOW	202.17									
ELEVATION	66.00									

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HYDROGRAPH AT STATION PHPND

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	57.0	28	FEB	0915	34	14.	3.3	57.8	28	FEB	1730	67	463.	109.3	69.9
28	FEB	0115	2	0.	.0	57.0	28	FEB	0930	35	15.	3.4	57.8	28	FEB	1745	68	466.	109.9	70.0
28	FEB	0130	3	0.	.0	57.0	28	FEB	0945	36	17.	3.6	57.8	28	FEB	1800	69	469.	110.3	70.0
28	FEB	0145	4	0.	.0	57.0	28	FEB	1000	37	19.	3.7	57.9	28	FEB	1815	70	470.	110.6	70.0
28	FEB	0200	5	0.	.0	57.0	28	FEB	1015	38	22.	4.0	57.9	28	FEB	1830	71	471.	110.8	70.1
28	FEB	0215	6	0.	.0	57.0	28	FEB	1030	39	25.	4.3	58.0	28	FEB	1845	72	471.	110.8	70.1
28	FEB	0230	7	0.	.0	57.0	28	FEB	1045	40	30.	4.7	58.1	28	FEB	1900	73	470.	110.6	70.0
28	FEB	0245	8	0.	.0	57.0	28	FEB	1100	41	35.	5.2	58.2	28	FEB	1915	74	468.	110.3	70.0
28	FEB	0300	9	0.	.0	57.0	28	FEB	1115	42	42.	5.8	58.4	28	FEB	1930	75	466.	109.8	70.0
28	FEB	0315	10	0.	.1	57.0	28	FEB	1130	43	49.	6.5	58.5	28	FEB	1945	76	462.	109.1	69.9
28	FEB	0330	11	0.	.1	57.0	28	FEB	1145	44	57.	7.3	58.7	28	FEB	2000	77	457.	108.3	69.8
28	FEB	0345	12	0.	.2	57.1	28	FEB	1200	45	67.	8.2	58.9	28	FEB	2015	78	452.	107.4	69.8
28	FEB	0400	13	0.	.4	57.1	28	FEB	1215	46	78.	9.2	59.1	28	FEB	2030	79	446.	106.3	69.7
28	FEB	0415	14	0.	.5	57.1	28	FEB	1230	47	92.	10.6	59.4	28	FEB	2045	80	439.	105.1	69.6
[illegible]	FEB	0430	15	0.	.7	57.2	28	FEB	1245	48	103.	12.5	59.8	28	FEB	2100	81	432.	103.7	69.5
[illegible]	FEB	0445	16	0.	.9	57.2	28	FEB	1300	49	116.	15.7	60.4	28	FEB	2115	82	422.	102.0	69.3
[illegible]	FEB	0500	17	0.	1.1	57.3	28	FEB	1315	50	135.	21.9	61.5	28	FEB	2130	83	411.	100.0	69.1
28	FEB	0515	18	0.	1.3	57.3	28	FEB	1330	51	156.	31.5	62.7	28	FEB	2145	84	398.	97.7	69.0
28	FEB	0530	19	0.	1.6	57.4	28	FEB	1345	52	175.	42.9	64.1	28	FEB	2200	85	385.	95.4	68.8
28	FEB	0545	20	0.	1.8	57.4	28	FEB	1400	53	189.	55.0	65.3	28	FEB	2215	86	372.	93.0	68.6
28	FEB	0600	21	0.	2.0	57.5	28	FEB	1415	54	222.	66.1	66.3	28	FEB	2230	87	358.	90.6	68.4
28	FEB	0615	22	2.	2.2	57.5	28	FEB	1430	55	274.	75.4	67.1	28	FEB	2245	88	345.	88.3	68.2
28	FEB	0630	23	4.	2.4	57.6	28	FEB	1445	56	314.	82.7	67.7	28	FEB	2300	89	333.	86.0	68.0
28	FEB	0645	24	6.	2.5	57.6	28	FEB	1500	57	346.	88.4	68.2	28	FEB	2315	90	321.	83.9	67.8
28	FEB	0700	25	7.	2.6	57.6	28	FEB	1515	58	371.	92.8	68.5	28	FEB	2330	91	309.	81.8	67.6
28	FEB	0715	26	8.	2.7	57.7	28	FEB	1530	59	390.	96.3	68.8	28	FEB	2345	92	298.	79.8	67.4
28	FEB	0730	27	9.	2.8	57.7	28	FEB	1545	60	406.	99.1	69.1	1	MAR	0000	93	287.	77.9	67.3
28	FEB	0745	28	10.	2.9	57.7	28	FEB	1600	61	419.	101.5	69.3	1	MAR	0015	94	277.	76.1	67.1
28	FEB	0800	29	10.	3.0	57.7	28	FEB	1615	62	430.	103.4	69.4	1	MAR	0030	95	268.	74.4	67.0
28	FEB	0815	30	11.	3.0	57.7	28	FEB	1630	63	439.	105.1	69.6	1	MAR	0045	96	259.	72.7	66.9
28	FEB	0830	31	12.	3.1	57.7	28	FEB	1645	64	447.	106.4	69.7	1	MAR	0100	97	250.	71.2	66.7
28	FEB	0845	32	12.	3.2	57.8	28	FEB	1700	65	453.	107.6	69.8							
28	FEB	0900	33	13.	3.2	57.8	28	FEB	1715	66	458.	108.5	69.9							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
+ 471.	17.75		449.	194.	194.	194.
		(INCHES)	1.416	2.439	2.439	2.439
		(AC-FT)	223.	384.	384.	384.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
+ 111.	17.75	107.	47.	47.	47.

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 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                    6-HR       24-HR       72-HR     24.00-HR
+  (FEET)      (HR)
    70.05     17.75                69.72       63.01       63.01       63.01

                      CUMULATIVE AREA =    2.95 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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          *            *
 315 KK   *      HP4   *
          *            *
          **************

 316 KO        OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

 318 BA        SUBBASIN CHARACTERISTICS
                     TAREA        .01  SUBBASIN AREA

               PRECIPITATION DATA

 319 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .60    1.30    2.50   3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .01

 320 LS        SCS LOSS RATE
                     STRTL        .63  INITIAL ABSTRACTION
                    CRVNBR      76.00  CURVE NUMBER
                     RTIMP        .00  PERCENT IMPERVIOUS AREA

 321 UD        SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .34  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                                9 END-OF-PERIOD ORDINATES
               7.       14.       7.       3.       1.       1.       0.       0.       0.

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                                              HYDROGRAPH AT STATION      HP4

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                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.30     .36     .94        13.
      28 FEB 0115    2     .02     .02     .00         0.        *      28 FEB 1330   51     .34     .07     .27        18.
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28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.05	.19	13.
28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.03	.15	9.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.02	.09	6.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.02	.08	4.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.02	.08	3.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.01	.07	3.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.01	.07	3.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.01	.06	2.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.01	.06	2.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.01	.05	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.03	.00	0.	*	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.03	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.03	.00	0.	*	28 FEB 1915	74	.03	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.05	.01	0.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.05	.02	0.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.05	.02	0.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.05	.02	1.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.06	.03	1.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.06	.03	1.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.06	.03	1.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.06	.04	1.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.10	.08	2.	*	1 MAR 0030	95	.02	.00	.01	1.
28 FEB 1230	47	.21	.11	.10	2.	*	1 MAR 0045	96	.02	.00	.01	1.
28 FEB 1245	48	.27	.13	.15	3.	*	1 MAR 0100	97	.02	.00	.01	0.
28 FEB 1300	49	.59	.23	.36	6.	*						
						*						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 2.70, TOTAL EXCESS = 3.90

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 18.	12.50		4.	1.	1.	1.
		(INCHES)	3.106	3.875	3.875	3.875
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .01 SQ MI

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          *            *
322 KK    *   HP4SWP   *
          *            *
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323 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            ROUTING THROUGH WET AREA NEAR ARSENIC POND

            HYDROGRAPH ROUTING DATA

325 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      69.90  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

326 SA             AREA         .3       .6      1.9

327 SE        ELEVATION      68.00    69.00    70.00

328 SS        SPILLWAY
                     CREL      69.90  SPILLWAY CREST ELEVATION
                    SPWID      30.00  SPILLWAY WIDTH
                     COQW       3.00  WEIR COEFFICIENT
                     EXPW       1.50  EXPONENT OF HEAD
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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.48	1.68
ELEVATION	68.00	69.00	70.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.00	.00	.01	.03	.06	.11	.17	.25
ELEVATION	68.00	69.90	69.90	69.90	69.90	69.90	69.91	69.91	69.92	69.92
OUTFLOW	.36	.49	.65	.84	1.07	1.34	1.65	2.00	2.40	2.85
ELEVATION	69.93	69.93	69.94	69.94	69.95	69.96	69.97	69.98	69.99	70.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.48	1.50	1.52	1.55	1.57	1.59	1.63	1.66	1.68
OUTFLOW	.00	.00	.00	.11	.36	.65	1.07	1.65	2.40	2.85
ELEVATION	68.00	69.00	69.90	69.91	69.93	69.94	69.95	69.97	69.99	70.00

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HYDROGRAPH AT STATION HP4SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	ST.
28	FEB	0100	1	0.	1.5	69.9	*	28	FEB	0915	34	0.	1.5	69.9	*	28	FEB	1730	67	2.	1.6	70.0
28	FEB	0115	2	0.	1.5	69.9	*	28	FEB	0930	35	0.	1.5	69.9	*	28	FEB	1745	68	1.	1.6	70.0
28	FEB	0130	3	0.	1.5	69.9	*	28	FEB	0945	36	0.	1.5	69.9	*	28	FEB	1800	69	1.	1.6	70.0

28	FEB	0145	4	0.	1.5	69.9	*	28	FEB	1000	37	0.	1.5	69.9	*	28 FEB	1815	70	1.	1.6	70.0
28	FEB	0200	5	0.	1.5	69.9	*	28	FEB	1015	38	0.	1.5	69.9	*	28 FEB	1830	71	1.	1.6	70.0
28	FEB	0215	6	0.	1.5	69.9	*	28	FEB	1030	39	0.	1.5	69.9	*	28 FEB	1845	72	1.	1.6	70.0
28	FEB	0230	7	0.	1.5	69.9	*	28	FEB	1045	40	0.	1.5	69.9	*	28 FEB	1900	73	1.	1.6	70.0
	FEB	0245	8	0.	1.5	69.9	*	28	FEB	1100	41	0.	1.5	69.9	*	28 FEB	1915	74	1.	1.6	70.0
	FEB	0300	9	0.	1.5	69.9	*	28	FEB	1115	42	0.	1.5	69.9	*	28 FEB	1930	75	1.	1.6	70.0
28	FEB	0315	10	0.	1.5	69.9	*	28	FEB	1130	43	0.	1.6	69.9	*	28 FEB	1945	76	1.	1.6	69.9
28	FEB	0330	11	0.	1.5	69.9	*	28	FEB	1145	44	1.	1.6	69.9	*	28 FEB	2000	77	1.	1.6	69.9
28	FEB	0345	12	0.	1.5	69.9	*	28	FEB	1200	45	1.	1.6	69.9	*	28 FEB	2015	78	1.	1.6	69.9
28	FEB	0400	13	0.	1.5	69.9	*	28	FEB	1215	46	1.	1.6	69.9	*	28 FEB	2030	79	1.	1.6	69.9
28	FEB	0415	14	0.	1.5	69.9	*	28	FEB	1230	47	1.	1.6	70.0	*	28 FEB	2045	80	1.	1.6	69.9
28	FEB	0430	15	0.	1.5	69.9	*	28	FEB	1245	48	2.	1.6	70.0	*	28 FEB	2100	81	1.	1.6	69.9
28	FEB	0445	16	0.	1.5	69.9	*	28	FEB	1300	49	3.	1.7	70.0	*	28 FEB	2115	82	1.	1.6	69.9
28	FEB	0500	17	0.	1.5	69.9	*	28	FEB	1315	50	5.	1.8	70.1	*	28 FEB	2130	83	1.	1.6	69.9
28	FEB	0515	18	0.	1.5	69.9	*	28	FEB	1330	51	9.	2.0	70.2	*	28 FEB	2145	84	1.	1.6	69.9
28	FEB	0530	19	0.	1.5	69.9	*	28	FEB	1345	52	12.	2.1	70.2	*	28 FEB	2200	85	1.	1.6	69.9
28	FEB	0545	20	0.	1.5	69.9	*	28	FEB	1400	53	11.	2.1	70.2	*	28 FEB	2215	86	1.	1.6	69.9
28	FEB	0600	21	0.	1.5	69.9	*	28	FEB	1415	54	10.	2.0	70.2	*	28 FEB	2230	87	1.	1.6	69.9
28	FEB	0615	22	0.	1.5	69.9	*	28	FEB	1430	55	8.	1.9	70.1	*	28 FEB	2245	88	1.	1.6	69.9
28	FEB	0630	23	0.	1.5	69.9	*	28	FEB	1445	56	7.	1.9	70.1	*	28 FEB	2300	89	1.	1.6	69.9
28	FEB	0645	24	0.	1.5	69.9	*	28	FEB	1500	57	5.	1.8	70.1	*	28 FEB	2315	90	1.	1.6	69.9
28	FEB	0700	25	0.	1.5	69.9	*	28	FEB	1515	58	4.	1.8	70.0	*	28 FEB	2330	91	1.	1.6	69.9
28	FEB	0715	26	0.	1.5	69.9	*	28	FEB	1530	59	4.	1.7	70.0	*	28 FEB	2345	92	1.	1.6	69.9
28	FEB	0730	27	0.	1.5	69.9	*	28	FEB	1545	60	3.	1.7	70.0	*	1 MAR	0000	93	1.	1.6	69.9
28	FEB	0745	28	0.	1.5	69.9	*	28	FEB	1600	61	3.	1.7	70.0	*	1 MAR	0015	94	1.	1.6	69.9
28	FEB	0800	29	0.	1.5	69.9	*	28	FEB	1615	62	2.	1.7	70.0	*	1 MAR	0030	95	1.	1.6	69.9
28	FEB	0815	30	0.	1.5	69.9	*	28	FEB	1630	63	2.	1.7	70.0	*	1 MAR	0045	96	1.	1.6	69.9
28	FEB	0830	31	0.	1.5	69.9	*	28	FEB	1645	64	2.	1.6	70.0	*	1 MAR	0100	97	1.	1.6	69.9
28	FEB	0845	32	0.	1.5	69.9	*	28	FEB	1700	65	2.	1.6	70.0	*						
28	FEB	0900	33	0.	1.5	69.9	*	28	FEB	1715	66	2.	1.6	70.0	*						

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*****************************************************************************************************************

  .K FLOW     TIME                       MAXIMUM AVERAGE FLOW
                                    6-HR        24-HR       72-HR     24.00-HR
+   (CFS)      (HR)
                          (CFS)
+      12.     12.75                  4.          1.          1.          1.
                        (INCHES)   3.070       3.792       3.792       3.792
                         (AC-FT)      2.          3.          3.          3.

 PEAK STORAGE   TIME                    MAXIMUM AVERAGE STORAGE
                                    6-HR        24-HR       72-HR     24.00-HR
+  (AC-FT)     (HR)
        2.     12.75                  2.          2.          2.          2.

  PEAK STAGE    TIME                   MAXIMUM AVERA[illegible]TAGE
                                    6-HR        24-HR          HR     24.00-HR
+   (FEET)     (HR)
     70.21     12.75               70.03       69.95           5       69.95

                        CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** **     *** *** *** *** *** *** *** *** ** *** *** *** *** *** *** ***


            ***************
            *             *
     KK     *     HP5     *
            *             *
            ***************

  330 KO          OUTPUT CONTROL VARIABLES
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                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        SCS RUNOFF CALCULATION

          SUBBASIN RUNOFF DATA

332 BA        SUBBASIN CHARACTERISTICS
                TAREA        .01  SUBBASIN AREA

              PRECIPITATION DATA

333 PH                          DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......  ............... TP-40 ...............  ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN   2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .60    1.30    2.50   3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                STORM AREA =     .01

334 LS        SCS LOSS RATE
                STRTL        .38  INITIAL ABSTRACTION
               CRVNBR      84.00  CURVE NUMBER
                RTIMP        .00  PERCENT IMPERVIOUS AREA

335 UD        SCS DIMENSIONLESS UNITGRAPH
                 TLAG        .19  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                              UNIT HYDROGRAPH
                                          6 END-OF-PERIOD ORDINATES
          21.       13.       3.       1.       0.       0.
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HYDROGRAPH AT STATION HP5

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.19	1.11	30.
28 FEB 0115	2	.02	.02	.00	0.	*	28 FEB 1330	51	.34	.04	.30	23.
28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.02	.21	13.
28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.02	.17	9.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.01	.10	6.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.01	.09	4.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.01	.09	4.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.01	.08	3.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.01	.07	3.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.01	.07	3.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.00	.06	3.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.06	2.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	2.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	2.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.04	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	1.

28 FEB 0645	24	.03	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.02	.00	0.	*	28 FEB 1915	74	.03	.00	.03	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.01	0.	*	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.03	.01	0.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.02	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.03	.03	1.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.03	.03	1.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.04	.03	1.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.04	.04	1.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.04	.04	2.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.04	.05	2.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.04	.05	2.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.04	.06	2.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.06	.11	3.	*	1 MAR 0030	95	.02	.00	.02	1.
28 FEB 1230	47	.21	.06	.14	5.	*	1 MAR 0045	96	.02	.00	.02	1.
28 FEB 1245	48	.27	.07	.20	7.	*	1 MAR 0100	97	.02	.00	.02	1.
28 FEB 1300	49	.59	.13	.46	13.	*						
						*						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 1.84, TOTAL EXCESS = 4.76

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
CFS)	(HR)					
		(CFS)				
+ 30.	12.25		6.	2.	2.	2.
		(INCHES)	3.718	4.743	4.743	4.743
		(AC-FT)	3.	4.	4.	4.

CUMULATIVE AREA = .01 SQ MI

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          **************
          *            *
339 KK    *   HP5SWP   *
          *            *
          **************

340 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

            HYDROGRAPH ROUTING DATA

  ? RS      STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      68.00  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT
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343 SA              AREA          .0        .3

344 SE          ELEVATION       68.00     69.00

345 SS          SPILLWAY
                     CREL       68.90  SPILLWAY CREST ELEVATION
                    SPWID       15.00  SPILLWAY WIDTH
                     COQW        3.00  WEIR COEFFICIENT
                     EXPW        1.50  EXPONENT OF HEAD
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COMPUTED STORAGE-ELEVATION DATA

STORAGE	.00	.10
ELEVATION	68.00	69.00

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	.00	.00	.01	.02	.03	.05	.08	.12
ELEVATION	68.00	68.90	68.90	68.90	68.90	68.90	68.91	68.91	68.92	68.92
OUTFLOW	.18	.24	.32	.42	.54	.67	.82	1.00	1.20	1.42
ELEVATION	68.93	68.93	68.94	68.94	68.95	68.96	68.97	68.98	68.99	69.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.07	.08	.08	.08	.09	.09	.10	.10
OUTFLOW	.00	.00	.05	.18	.32	.54	.82	1.20	1.42
ELEVATION	68.00	68.90	68.91	68.93	68.94	68.95	68.97	68.99	69.00

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HYDROGRAPH AT STATION HP5SWP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	68.0	28	FEB	0915	34	0.	.1	68.7	28	FEB	1730	67	3.	.1	69.1
28	FEB	0115	2	0.	.0	68.0	28	FEB	0930	35	0.	.1	68.9	28	FEB	1745	68	3.	.1	69.1
28	FEB	0130	3	0.	.0	68.0	28	FEB	0945	36	0.	.1	68.9	28	FEB	1800	69	3.	.1	69.1
28	FEB	0145	4	0.	.0	68.0	28	FEB	1000	37	1.	.1	69.0	28	FEB	1815	70	3.	.1	69.1
28	FEB	0200	5	0.	.0	68.0	28	FEB	1015	38	1.	.1	69.0	28	FEB	1830	71	3.	.1	69.1
28	FEB	0215	6	0.	.0	68.0	28	FEB	1030	39	1.	.1	69.0	28	FEB	1845	72	3.	.1	69.1
28	FEB	0230	7	0.	.0	68.0	28	FEB	1045	40	1.	.1	69.0	28	FEB	1900	73	2.	.1	69.1
28	FEB	0245	8	0.	.0	68.0	28	FEB	1100	41	1.	.1	69.0	28	FEB	1915	74	2.	.1	69.0
28	FEB	0300	9	0.	.0	68.0	28	FEB	1115	42	2.	.1	69.0	28	FEB	1930	75	2.	.1	69.0
28	FEB	0315	10	0.	.0	68.0	28	FEB	1130	43	2.	.1	69.0	28	FEB	1945	76	2.	.1	69.0
28	FEB	0330	11	0.	.0	68.0	28	FEB	1145	44	2.	.1	69.0	28	FEB	2000	77	2.	.1	69.0
28	FEB	0345	12	0.	.0	68.0	28	FEB	1200	45	3.	.1	69.1	28	FEB	2015	78	2.	.1	69.0
28	FEB	0400	13	0.	.0	68.0	28	FEB	1215	46	3.	.1	69.1	28	FEB	2030	79	2.	.1	69.0
28	FEB	0415	14	0.	.0	68.0	28	FEB	1230	47	5.	.2	69.2	28	FEB	2045	80	2.	.1	69.0
28	FEB	0430	15	0.	.0	68.0	28	FEB	1245	48	7.	.2	69.3	28	FEB	2100	81	2.	.1	69.0
28	FEB	0445	16	0.	.0	68.0	28	FEB	1300	49	11.	.2	69.5	28	FEB	2115	82	2.	.1	69.0
28	FEB	0500	17	0.	.0	68.0	28	FEB	1315	50	23.	.4	70.0	28	FEB	2130	83	2.	.1	69.0
28	FEB	0515	18	0.	.0	68.0	28	FEB	1330	51	32.	.5	70.5	28	FEB	2145	84	2.	.1	69.0
28	FEB	0530	19	0.	.0	68.0	28	FEB	1345	52	29.	.5	70.3	28	FEB	2200	85	1.	.1	69.0
28	FEB	0545	20	0.	.0	68.0	28	FEB	1400	53	23.	.4	70.0	28	FEB	2215	86	1.	.1	69
28	FEB	0600	21	0.	.0	68.0	28	FEB	1415	54	19.	.4	69.8	28	FEB	2230	87	1.	.1	69
28	FEB	0615	22	0.	.0	68.0	28	FEB	1430	55	15.	.3	69.6	28	FEB	2245	88	1.	.1	69.0
28	FEB	0630	23	0.	.0	68.0	28	FEB	1445	56	12.	.3	69.5	28	FEB	2300	89	1.	.1	69.0
28	FEB	0645	24	0.	.0	68.0	28	FEB	1500	57	10.	.2	69.4	28	FEB	2315	90	1.	.1	69.0
28	FEB	0700	25	0.	.0	68.0	28	FEB	1515	58	8.	.2	69.3	28	FEB	2330	91	1.	.1	69.0

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28 FEB 0715  26      0.      .0    68.1 * 28 FEB 1530  59      7.      .2    69.3 * 28 FEB 2345  92      1.      .1    69.0
28 FEB 0730  27      0.      .0    68.1 * 28 FEB 1545  60      6.      .2    69.2 *  1 MAR 0000  93      1.      .1    69.0
28 FEB 0745  28      0.      .0    68.2 * 28 FEB 1600  61      6.      .2    69.2 *  1 MAR 0015  94      1.      .1    69.0
28 FEB 0800  29      0.      .0    68.2 * 28 FEB 1615  62      5.      .2    69.2 *  1 MAR 0030  95      1.      .1    69.0
28 FEB 0815  30      0.      .0    68.3 * 28 FEB 1630  63      4.      .1    69.1 *  1 MAR 0045  96      1.      .1    69.0
   FEB 0830  31      0.      .0    68.4 * 28 FEB 1645  64      4.      .1    69.1 *  1 MAR 0100  97      1.      .1    69.0
28 FEB 0845  32      0.      .0    68.5 * 28 FEB 1700  65      4.      .1    69.1 *
28 FEB 0900  33      0.      .0    68.6 * 28 FEB 1715  66      3.      .1    69.1 *
                                        *                                          *
*****************************************************************************************************************************

 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+     32.     12.50                  10.          3.          3.           3.
                       (INCHES)    3.387       4.236       4.236        4.236
                        (AC-FT)      5.          6.          6.           6.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       1.     12.50                   0.          0.          0.           0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
    70.46     12.50                 69.42       68.79       68.79        68.79

                       CUMULATIVE AREA =     .03 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
346 KK    *     HB3A   *
          *            *
          **************

347 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

349 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .02  SUBBASIN AREA

                PRECIPITATION DATA

350 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .02

351 LS          SCS  SS RATE
                      STRTL         .35  INITIAL ABSTRACTION
                     CRVNBR       85.00  CURVE NUMBER
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RTIMP .00 PERCENT IMPERVIOUS AREA

352 UD SCS DIMENSIONLESS UNITGRAPH
TLAG .26 LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
7 END-OF-PERIOD ORDINATES

18. 21. 8. 3. 1. 0. 0.

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HYDROGRAPH AT STATION HB3A

****

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.17	1.13	33.
28 FEB 0115	2	.02	.02	.00	0.	*	28 FEB 1330	51	.34	.03	.31	34.
28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.02	.21	21.
28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.01	.17	14.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.01	.10	9.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.01	.09	6.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.01	.09	5.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.01	.08	5.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.01	.07	4.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.00	.07	4.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.00	.06	3.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.06	3.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	3.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	3.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.05	2.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.04	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	2.
28 FEB 0630	23	.03	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.03	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.03	.02	.00	0.	*	28 FEB 1915	74	.03	.00	.03	2.
28 FEB 0715	26	.03	.03	.01	0.	*	28 FEB 1930	75	.03	.00	.03	1.
28 FEB 0730	27	.03	.03	.01	0.	*	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.03	.01	0.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	1.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	1.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.02	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.03	.03	1.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.03	.03	1.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.03	.04	2.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.03	.04	2.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.03	.05	2.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.04	.05	2.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.03	.06	3.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.04	.07	3.	*	1 MAR 0015	94	.02	.00	.02	1.

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28 FEB 1215   46    .17    .05    .12      4.     *     1 MAR 0030   95    .02    .00    .02      1.
28 FEB 1230   47    .21    .06    .15      6.     *     1 MAR 0045   96    .02    .00    .02      1.
28 FEB 1245   48    .28    .07    .21      8.     *     1 MAR 0100   97    .02    .00    .02      1.
28 FEB 1300   49    .59    .12    .47     15.     *
                                                  *
*****************************************************************************************************************

TOTAL RAINFALL =    6.60, TOTAL LOSS =    1.73, TOTAL EXCESS =    4.87

PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                   6-HR       24-HR       72-HR     24.00-HR
+  (CFS)      (HR)
                        (CFS)
+     34.     12.50                  8.          3.          3.          3.
                      (INCHES)    3.791       4.847       4.847       4.847
                       (AC-FT)      4.          5.          5.          5.

                       CUMULATIVE AREA =     .02 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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          *            *
353 KK    *     HB3B   *
          *            *
          **************

354 KO         OUTPUT CONTROL VARIABLES
                     IPRNT          1  PRINT CONTROL
                     IPLOT          0  PLOT CONTROL
                     QSCAL         0.  HYDROGRAPH PLOT SCALE
                              SCS RUNOFF CALCULATION

             SUBBASIN RUNOFF DATA

356 BA         SUBBASIN CHARACTERISTICS
                     TAREA        .01  SUBBASIN AREA

               PRECIPITATION DATA

357 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
               ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
               5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                 .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .01

358 LS         SCS LOSS RATE
                     STRTL        .27  INITIAL ABSTRACTION
                    CRVNBR      88.00  CURVE NUMBER
                     RTIMP        .00  PERCENT IMPERVIOUS AREA

359 UD         SCS DIMENSIONLESS UNITGRAPH
                      TLAG        .10  LAG

                                                          ***

ING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                  5 END-OF-PERIOD ORDINATES
            19.       5.       1.       0.       0.
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HYDROGRAPH AT STATION HB3B

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.12	1.18	26.
28 FEB 0115	2	.02	.02	.00	0.	28 FEB 1330	51	.34	.02	.32	13.
28 FEB 0130	3	.02	.02	.00	0.	28 FEB 1345	52	.23	.01	.22	7.
28 FEB 0145	4	.02	.02	.00	0.	28 FEB 1400	53	.19	.01	.18	5.
28 FEB 0200	5	.02	.02	.00	0.	28 FEB 1415	54	.11	.01	.11	3.
28 FEB 0215	6	.02	.02	.00	0.	28 FEB 1430	55	.10	.00	.09	3.
28 FEB 0230	7	.02	.02	.00	0.	28 FEB 1445	56	.09	.00	.09	2.
28 FEB 0245	8	.02	.02	.00	0.	28 FEB 1500	57	.09	.00	.08	2.
28 FEB 0300	9	.02	.02	.00	0.	28 FEB 1515	58	.08	.00	.07	2.
28 FEB 0315	10	.02	.02	.00	0.	28 FEB 1530	59	.07	.00	.07	2.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.07	.00	.06	2.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.00	.06	2.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.00	.05	1.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.00	.05	1.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.00	.05	1.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.04	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.02	.01	0.	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.02	.01	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.02	.01	0.	28 FEB 1915	74	.03	.00	.03	1.
28 FEB 0715	26	.03	.02	.01	0.	28 FEB 1930	75	.03	.00	.03	1.
28 FEB 0730	27	.03	.02	.01	0.	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.02	.01	0.	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.02	.01	0.	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.02	.01	0.	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.02	.02	0.	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.02	.02	0.	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.02	.02	1.	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.02	.02	1.	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.02	.02	1.	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.02	.03	1.	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.02	.03	1.	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.03	.04	1.	28 FEB 2230	87	.02	.00	.02	0.
28 FEB 1030	39	.06	.03	.04	1.	28 FEB 2245	88	.02	.00	.02	0.
28 FEB 1045	40	.07	.03	.04	1.	28 FEB 2300	89	.02	.00	.02	0.
28 FEB 1100	41	.07	.03	.05	1.	28 FEB 2315	90	.02	.00	.02	0.
28 FEB 1115	42	.08	.03	.05	1.	28 FEB 2330	91	.02	.00	.02	0.
28 FEB 1130	43	.09	.03	.06	2.	28 FEB 2345	92	.02	.00	.02	0.
28 FEB 1145	44	.09	.03	.06	2.	1 MAR 0000	93	.02	.00	.02	0.
28 FEB 1200	45	.10	.03	.08	2.	1 MAR 0015	94	.02	.00	.02	0.
28 FEB 1215	46	.17	.04	.13	3.	1 MAR 0030	95	.02	.00	.02	0.
28 FEB 1230	47	.21	.04	.16	4.	1 MAR 0045	96	.02	.00	.02	0.
28 FEB 1245	48	.27	.05	.23	5.	1 MAR 0100	97	.02	.00	.02	0.
28 FEB 1300	49	.59	.08	.51	11.						

TOTAL RAINFALL = 6.60, TOTAL LOSS = 1.39, TOTAL EXCESS = 5.21

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)				

```
                    (CFS)
+     26.    12.25                 4.         1.         1.         1.
                   (INCHES)     4.010      5.192      5.192      5.192
                    (AC-FT)        2.         3.         3.         3.

                    CUMULATIVE AREA =     .01 SQ MI


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          *            *
363 KK    *    HB3BS   *
          *            *
          **************

364 KO         OUTPUT CONTROL VARIABLES
                    IPRNT           1  PRINT CONTROL
                    IPLOT           0  PLOT CONTROL
                    QSCAL          0.  HYDROGRAPH PLOT SCALE
                             STORAGE ROUTING THROUGH HB3B DEPRESSION

            HYDROGRAPH ROUTING DATA

366 RS         STORAGE ROUTING
                    NSTPS           1  NUMBER OF SUBREACHES
                     ITYP        ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC       68.80  INITIAL CONDITION
                        X         .00 WORKING R AND D COEFFICIENT

    SA             AREA          .0        .7       1.9

368 SE         ELEVATION       68.80     69.20     69.50

369 SS         SPILLWAY
                     CREL       69.40  SPILLWAY CREST ELEVATION
                    SPWID       40.00  SPILLWAY WIDTH
                     COQW        3.00  WEIR COEFFICIENT
                     EXPW        1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .10       .48
        ELEVATION      68.80     69.20     69.50

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00       .00       .01       .02       .04       .08       .14       .22       .33
        ELEVATION      68.80     69.40     69.40     69.40     69.40     69.40     69.41     69.41     69.42     69.42

          OUTFLOW        .47       .65       .87      1.12      1.43      1.79      2.20      2.67      3.20      3.79
        ELEVATION      69.43     69.43     69.44     69.44     69.45     69.46     69.47     69.48     69.49     69.50


                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE        .00       .10       .31       .33       .35       .37       .39       .42       .46       .48
          OUTFLOW        .00       .00       .00       .14       .47       .87      1.43      2.20      3.20      3.79
        ELEVATION      68.80     69.20     69.40     69.41     69.43     69.44     69.45     69.47     69.49     69.50
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HYDROGRAPH AT STATION HB3BS

DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.0	68.8	28 FEB 0915	34	0.	.2	69.3	28 FEB 1730	67	3.	.5	69.5
28 FEB 0115	2	0.	.0	68.8	28 FEB 0930	35	0.	.2	69.3	28 FEB 1745	68	3.	.5	69.5
28 FEB 0130	3	0.	.0	68.8	28 FEB 0945	36	0.	.2	69.3	28 FEB 1800	69	3.	.5	69.5
28 FEB 0145	4	0.	.0	68.8	28 FEB 1000	37	0.	.3	69.4	28 FEB 1815	70	3.	.5	69.5
28 FEB 0200	5	0.	.0	68.8	28 FEB 1015	38	0.	.3	69.4	28 FEB 1830	71	3.	.4	69.5
28 FEB 0215	6	0.	.0	68.8	28 FEB 1030	39	0.	.4	69.4	28 FEB 1845	72	3.	.4	69.5
28 FEB 0230	7	0.	.0	68.8	28 FEB 1045	40	1.	.4	69.4	28 FEB 1900	73	3.	.4	69.5
28 FEB 0245	8	0.	.0	68.8	28 FEB 1100	41	2.	.4	69.5	28 FEB 1915	74	3.	.4	69.5
28 FEB 0300	9	0.	.0	68.8	28 FEB 1115	42	3.	.4	69.5	28 FEB 1930	75	2.	.4	69.5
28 FEB 0315	10	0.	.0	68.8	28 FEB 1130	43	3.	.5	69.5	28 FEB 1945	76	2.	.4	69.5
28 FEB 0330	11	0.	.0	68.8	28 FEB 1145	44	4.	.5	69.5	28 FEB 2000	77	2.	.4	69.5
28 FEB 0345	12	0.	.0	68.8	28 FEB 1200	45	4.	.5	69.5	28 FEB 2015	78	2.	.4	69.5
28 FEB 0400	13	0.	.0	68.8	28 FEB 1215	46	5.	.5	69.5	28 FEB 2030	79	2.	.4	69.5
28 FEB 0415	14	0.	.0	68.8	28 FEB 1230	47	7.	.6	69.6	28 FEB 2045	80	2.	.4	69.5
28 FEB 0430	15	0.	.0	68.8	28 FEB 1245	48	9.	.7	69.6	28 FEB 2100	81	2.	.4	69.5
28 FEB 0445	16	0.	.0	68.8	28 FEB 1300	49	14.	.8	69.7	28 FEB 2115	82	2.	.4	69.5
28 FEB 0500	17	0.	.0	68.8	28 FEB 1315	50	27.	1.3	69.9	28 FEB 2130	83	2.	.4	69.5
28 FEB 0515	18	0.	.0	68.8	28 FEB 1330	51	40.	1.7	70.1	28 FEB 2145	84	2.	.4	69.5
28 FEB 0530	19	0.	.0	68.8	28 FEB 1345	52	39.	1.6	70.1	28 FEB 2200	85	2.	.4	69.5
28 FEB 0545	20	0.	.0	68.8	28 FEB 1400	53	31.	1.4	70.0	28 FEB 2215	86	2.	.4	69.5
28 FEB 0600	21	0.	.0	68.8	28 FEB 1415	54	24.	1.2	69.9	28 FEB 2230	87	2.	.4	69.5
28 FEB 0615	22	0.	.0	68.8	28 FEB 1430	55	18.	.9	69.8	28 FEB 2245	88	2.	.4	69.5
28 FEB 0630	23	0.	.0	68.8	28 FEB 1445	56	13.	.8	69.7	28 FEB 2300	89	1.	.4	69.5
28 FEB 0645	24	0.	.0	68.9	28 FEB 1500	57	10.	.7	69.6	28 FEB 2315	90	1.	.4	69
28 FEB 0700	25	0.	.0	68.9	28 FEB 1515	58	8.	.6	69.6	28 FEB 2330	91	1.	.4	69
28 FEB 0715	26	0.	.0	68.9	28 FEB 1530	59	7.	.6	69.6	28 FEB 2345	92	1.	.4	69..
28 FEB 0730	27	0.	.0	69.0	28 FEB 1545	60	6.	.6	69.5	1 MAR 0000	93	1.	.4	69.5
28 FEB 0745	28	0.	.1	69.0	28 FEB 1600	61	6.	.5	69.5	1 MAR 0015	94	1.	.4	69.5
28 FEB 0800	29	0.	.1	69.1	28 FEB 1615	62	5.	.5	69.5	1 MAR 0030	95	1.	.4	69.4
28 FEB 0815	30	0.	.1	69.1	28 FEB 1630	63	5.	.5	69.5	1 MAR 0045	96	1.	.4	69.4
28 FEB 0830	31	0.	.1	69.2	28 FEB 1645	64	4.	.5	69.5	1 MAR 0100	97	1.	.4	69.4
28 FEB 0845	32	0.	.1	69.2	28 FEB 1700	65	4.	.5	69.5					
28 FEB 0900	33	0.	.1	69.2	28 FEB 1715	66	4.	.5	69.5					

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
40.	12.50		12.	4.	4.	4.
		(INCHES)	3.848	4.720	4.720	4.720
		(AC-FT)	6.	8.	8.	8.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	24.00-HR
2.	12.50	1.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	24.00-HR
70.15	12.50	69.66	69.31	69.31	69.31

CUMULATIVE AREA = .03 SQ MI

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          *            *
370 KK    *     HB3C   *
          *            *
          **************

371 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

373 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .01  SUBBASIN AREA

                PRECIPITATION DATA

374 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 .....   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .01

375 LS          SCS LOSS RATE
                      STRTL        .63  INITIAL ABSTRACTION
                     CRVNBR      76.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

376 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .28  LAG

                                                     ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                            8 END-OF-PERIOD ORDINATES
                8.      11.      4.      2.      1.      0.      0.      0.

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                                            HYDROGRAPH AT STATION     HB3C

*****************************************************************************************************************************
                                                          *
     DA MON HRMN  ORD    RAIN    LOSS  EXCESS    COMP Q   *    DA MON HRMN  ORD    RAIN    LOSS  EXCESS    COMP Q
                                                          *
     28 FEB 0100    1     .00     .00     .00        0.   *    28 FEB 1315   50    1.30     .36     .94       13.
     28 FEB 0115    2     .02     .02     .00        0.   *    28 FEB 1330   51     .34     .07     .27       14.
     28 FEB 0130    3     .02     .02     .00        0.   *    28 FEB 1345   52     .23     .05     .19        9.
     28 FEB 0145    4     .02     .02     .00        0.   *    28 FEB 1400   53     .19     .03     .15        6.
     28 FEB 0200    5     .02     .02     .00        0.   *    28 FEB 1415   54     .11     .02     .09        4.
     28 FEB 0215    6     .02     .02     .00        0.   *    28 FEB 1430   55     .10     .02     .08        3.
     28 FEB 0230    7     .02     .02     .00        0.   *    28 FEB 1445   56     .09     .02     .08        2.
     28 FEB 0245    8     .02     .02     .00        0.   *    28 FEB 1500   57     .09     .01     .07        2.
     28 FEB 0300    9     .02     .02     .00        0.   *    28 FEB 1515   58     .08     .01     .07        2.
     28 FEB 0315   10     .02     .02     .00        0.   *    28 FEB 1530   59     .07     .01     .06        2.
     28 FEB 0330   11     .02     .02     .00        0.   *    28 FEB 1545   60     .07     .01     .06        2.
     28 FEB 0345   12     .02     .02     .00        0.   *    28 FEB 1600   61     .06     .01     .05        1.
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28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.01	.05	1.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.01	.04	1.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.01	.04	1.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.01	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.01	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.01	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.01	.03	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.01	.03	1.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.01	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.03	.00	0.	*	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.03	.00	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.03	.00	0.	*	28 FEB 1915	74	.03	.00	.02	1.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	*	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.04	.00	0.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.04	.00	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.00	0.	*	28 FEB 2130	83	.02	.00	.02	0.
28 FEB 0930	35	.05	.04	.01	0.	*	28 FEB 2145	84	.02	.00	.02	0.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.02	0.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.02	0.
28 FEB 1015	38	.06	.05	.01	0.	*	28 FEB 2230	87	.02	.00	.02	0.
28 FEB 1030	39	.06	.05	.02	0.	*	28 FEB 2245	88	.02	.00	.02	0.
28 FEB 1045	40	.07	.05	.02	0.	*	28 FEB 2300	89	.02	.00	.02	0.
28 FEB 1100	41	.07	.05	.02	0.	*	28 FEB 2315	90	.02	.00	.02	0.
28 FEB 1115	42	.08	.06	.03	1.	*	28 FEB 2330	91	.02	.00	.02	0.
28 FEB 1130	43	.09	.06	.03	1.	*	28 FEB 2345	92	.02	.00	.02	0.
28 FEB 1145	44	.09	.06	.03	1.	*	1 MAR 0000	93	.02	.00	.02	0.
28 FEB 1200	45	.10	.06	.04	1.	*	1 MAR 0015	94	.02	.00	.02	0.
28 FEB 1215	46	.17	.10	.08	1.	*	1 MAR 0030	95	.02	.00	.01	0.
28 FEB 1230	47	.21	.11	.10	2.	*	1 MAR 0045	96	.02	.00	.01	0.
28 FEB 1245	48	.27	.13	.15	3.	*	1 MAR 0100	97	.02	.00	.01	0.
28 FEB 1300	49	.59	.23	.36	5.	*						
						*						

****

TOTAL RAINFALL = 6.60, TOTAL LOSS = 2.70, TOTAL EXCESS = 3.90

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 14.	12.50		3.	1.	1.	1.
		(INCHES)	3.108	3.880	3.880	3.880
		(AC-FT)	2.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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            **************
            *            *
380 KK      *   CRMLGN   *
            *            *
            **************
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381 KO OUTPUT CONTROL VARIABLES

IPRNT 1 PRINT CONTROL

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                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH CHROMIUM LAGOONS

          HYDROGRAPH ROUTING DATA

383 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      60.00  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

384 SA          AREA         .3        .4        .7       1.2

385 SE        ELEVATION     59.00     60.20     62.00     63.00

386 SS        SPILLWAY
                 CREL      62.90  SPILLWAY CREST ELEVATION
                SPWID      40.00  SPILLWAY WIDTH
                 COQW       3.00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .43      1.46      2.43
      ELEVATION     59.00     60.20     62.00     63.00

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00       .00       .01       .02       .04       .08       .14       .22       .33
      ELEVATION     59.00     62.90     62.90     62.90     62.90     62.90     62.91     62.91     62.92     62.92

        OUTFLOW       .47       .65       .87      1.12      1.43      1.79      2.20      2.67      3.20      3.79
      ELEVATION     62.93     62.93     62.94     62.94     62.95     62.96     62.97     62.98     62.99     63.00

                                COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .43      1.46      2.31      2.32      2.34      2.35      2.37      2.39      2.41
        OUTFLOW       .00       .00       .00       .00       .14       .47       .87      1.43      2.20      3.20
      ELEVATION     59.00     60.20     62.00     62.90     62.91     62.93     62.94     62.95     62.97     62.99

        STORAGE      2.43
        OUTFLOW      3.79
      ELEVATION     63.00

*****************************************************************************************************************************

                                  HYDROGRAPH AT STATION   CRMLGN

*****************************************************************************************************************************
                                                                                                                                
                                                                                                                                
DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                                                                                                                
28 FEB 0100   1      0.       .3    60.0 * 28 FEB 0915  34      0.       .4    60.0 * 28 FEB 1730  67      5.       2.4    63.0
28 FEB 0115   2      0.       .3    60.0 * 28 FEB 0930  35      0.       .4    60.0 * 28 FEB 1745  68      5.       2.4    63.0
28 FEB 0130   3      0.       .3    60.0 * 28 FEB 0945  36      0.       .4    60.0 * 28 FEB 1800  69      4.       2.4    63.0
28 FEB 0145   4      0.       .3    60.0 * 28 FEB 1000  37      0.       .4    60.0 * 28 FEB 1815  70      4.       2.4    63.0
[illegible] FEB 0200   5      0.       .3    60.0 * 28 FEB 1015  38      0.       .4    60.0 * 28 FEB 1830  71      4.       2.4    63.0
[illegible] FEB 0215   6      0.       .3    60.0 * 28 FEB 1030  39      0.       .4    60.0 * 28 FEB 1845  72      4.       2.4    63.0
28 FEB 0230   7      0.       .3    60.0 * 28 FEB 1045  40      0.       .4    60.1 * 28 FEB 1900  73      4.       2.4    63.0
28 FEB 0245   8      0.       .3    60.0 * 28 FEB 1100  41      0.       .4    60.2 * 28 FEB 1915  74      3.       2.4    63.0
28 FEB 0300   9      0.       .3    60.0 * 28 FEB 1115  42      0.       .5    60.3 * 28 FEB 1930  75      3.       2.4    63.0
28 FEB 0315  10      0.       .3    60.0 * 28 FEB 1130  43      0.       .6    60.4 * 28 FEB 1945  76      3.       2.4    63.0
```

28 FEB 0330	11	0.	.3	60.0 *	28 FEB 1145	44	0.	.7	60.6 *	28 FEB 2000	77	3.	2.4	63.0
28 FEB 0345	12	0.	.3	60.0 *	28 FEB 1200	45	0.	.8	60.8 *	28 FEB 2015	78	3.	2.4	63.0
28 FEB 0400	13	0.	.3	60.0 *	28 FEB 1215	46	0.	.9	61.0 *	28 FEB 2030	79	3.	2.4	63.0
28 FEB 0415	14	0.	.3	60.0 *	28 FEB 1230	47	0.	1.0	61.2 *	28 FEB 2045	80	3.	2.4	63.[illegible]
28 FEB 0430	15	0.	.3	60.0 *	28 FEB 1245	48	0.	1.2	61.6 *	28 FEB 2100	81	2.	2.4	6[illegible]
28 FEB 0445	16	0.	.3	60.0 *	28 FEB 1300	49	0.	1.6	62.1 *	28 FEB 2115	82	2.	2.4	63.[illegible]
28 FEB 0500	17	0.	.3	60.0 *	28 FEB 1315	50	0.	2.2	62.8 *	28 FEB 2130	83	2.	2.4	63.0
28 FEB 0515	18	0.	.3	60.0 *	28 FEB 1330	51	25.	2.9	63.4 *	28 FEB 2145	84	2.	2.4	63.0
28 FEB 0530	19	0.	.3	60.0 *	28 FEB 1345	52	41.	3.2	63.7 *	28 FEB 2200	85	2.	2.4	63.0
28 FEB 0545	20	0.	.3	60.0 *	28 FEB 1400	53	42.	3.3	63.7 *	28 FEB 2215	86	2.	2.4	63.0
28 FEB 0600	21	0.	.3	60.0 *	28 FEB 1415	54	36.	3.1	63.6 *	28 FEB 2230	87	2.	2.4	63.0
28 FEB 0615	22	0.	.3	60.0 *	28 FEB 1430	55	29.	3.0	63.4 *	28 FEB 2245	88	2.	2.4	63.0
28 FEB 0630	23	0.	.3	60.0 *	28 FEB 1445	56	22.	2.8	63.3 *	28 FEB 2300	89	2.	2.4	63.0
28 FEB 0645	24	0.	.3	60.0 *	28 FEB 1500	57	17.	2.7	63.2 *	28 FEB 2315	90	2.	2.4	63.0
28 FEB 0700	25	0.	.3	60.0 *	28 FEB 1515	58	13.	2.6	63.2 *	28 FEB 2330	91	2.	2.4	63.0
28 FEB 0715	26	0.	.3	60.0 *	28 FEB 1530	59	11.	2.6	63.1 *	28 FEB 2345	92	2.	2.4	63.0
28 FEB 0730	27	0.	.3	60.0 *	28 FEB 1545	60	9.	2.5	63.1 *	1 MAR 0000	93	2.	2.4	63.0
28 FEB 0745	28	0.	.3	60.0 *	28 FEB 1600	61	8.	2.5	63.1 *	1 MAR 0015	94	2.	2.4	63.0
28 FEB 0800	29	0.	.3	60.0 *	28 FEB 1615	62	7.	2.5	63.1 *	1 MAR 0030	95	2.	2.4	63.0
28 FEB 0815	30	0.	.3	60.0 *	28 FEB 1630	63	7.	2.5	63.1 *	1 MAR 0045	96	2.	2.4	63.0
28 FEB 0830	31	0.	.3	60.0 *	28 FEB 1645	64	6.	2.5	63.0 *	1 MAR 0100	97	2.	2.4	63.0
28 FEB 0845	32	0.	.3	60.0 *	28 FEB 1700	65	6.	2.5	63.0 *					
28 FEB 0900	33	0.	.4	60.0 *	28 FEB 1715	66	5.	2.5	63.0 *					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 42.	13.00		13.	4.	4.	4.
		(INCHES)	3.055	3.559	3.559	3.559
		(AC-FT)	7.	8.	8.	8.

PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE			
			6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)					
3.	13.00		3.	1.	1.	1.

PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE			
			6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)					
63.69	13.00		63.17	61.59	61.59	61.59

CUMULATIVE AREA = .04 SQ MI

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          ***************
          *             *
387 KK    *     HB4A    *
          *             *
          ***************

388 KO         OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA
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390 BA SUBBASIN CHARACTERISTICS

TAREA .02 SUBBASIN AREA

PRECIPITATION DATA

1 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
.60	1.30	2.50	3.30	3.70	4.60	5.60	6.60	.00	.00	.00	.00

STORM AREA = .02

392 LS SCS LOSS RATE

STRTL .38 INITIAL ABSTRACTION

CRVNBR 84.00 CURVE NUMBER

RTIMP .00 PERCENT IMPERVIOUS AREA

393 UD SCS DIMENSIONLESS UNITGRAPH

TLAG .25 LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH

7 END-OF-PERIOD ORDINATES

22. 24. 8. 3. 1. 0. 0.

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HYDROGRAPH AT STATION HB4A

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	*	28 FEB 1315	50	1.30	.19	1.11	38.
28 FEB 0115	2	.02	.02	.00	0.	*	28 FEB 1330	51	.34	.04	.30	38.
28 FEB 0130	3	.02	.02	.00	0.	*	28 FEB 1345	52	.23	.02	.21	23.
28 FEB 0145	4	.02	.02	.00	0.	*	28 FEB 1400	53	.19	.02	.17	15.
28 FEB 0200	5	.02	.02	.00	0.	*	28 FEB 1415	54	.11	.01	.10	10.
28 FEB 0215	6	.02	.02	.00	0.	*	28 FEB 1430	55	.10	.01	.09	7.
28 FEB 0230	7	.02	.02	.00	0.	*	28 FEB 1445	56	.09	.01	.09	6.
28 FEB 0245	8	.02	.02	.00	0.	*	28 FEB 1500	57	.09	.01	.08	5.
28 FEB 0300	9	.02	.02	.00	0.	*	28 FEB 1515	58	.08	.01	.07	5.
28 FEB 0315	10	.02	.02	.00	0.	*	28 FEB 1530	59	.07	.01	.07	4.
28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.00	.06	4.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.06	4.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB [illegible]5	62	.05	.00	.05	3.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB [illegible]0	63	.05	.00	.05	3.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB [illegible]	64	.05	.00	.04	3.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB [illegible]0	65	.05	.00	.04	3.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB [illegible]5	66	.04	.00	.04	3.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB [illegible]30	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB [illegible]745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.03	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	2.
28 FEB 0630	23	.03	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.03	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.03	.02	.00	0.	*	28 FEB 1915	74	.03	.00	.03	2.
28 FEB 0715	26	.03	.03	.00	0.	*	28 FEB 1930	75	.03	.00	.02	2.
28 FEB 0730	27	.03	.03	.01	0.	*	28 FEB 1945	76	.03	.00	.02	2.
28 FEB 0745	28	.04	.03	.01	0.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.

28 FEB 0830	31	.04	.03	.01	1.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	1.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.02	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.03	.03	1.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.03	.03	2.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.04	.03	2.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.04	.04	2.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.04	.04	2.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.04	.05	3.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.04	.05	3.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.04	.06	3.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.06	.11	5.	*	1 MAR 0030	95	.02	.00	.02	1.
28 FEB 1230	47	.21	.06	.14	7.	*	1 MAR 0045	96	.02	.00	.02	1.
28 FEB 1245	48	.28	.07	.20	9.	*	1 MAR 0100	97	.02	.00	.02	1.
28 FEB 1300	49	.59	.13	.46	17.	*						
						*						

****

TOTAL RAINFALL = 6.60, TOTAL LOSS = 1.84, TOTAL EXCESS = 4.76

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 38.	12.50		9.	3.	3.	3.
		(INCHES)	3.716	4.738	4.738	4.738
		(AC-FT)	5.	6.	6.	6.

CUMULATIVE AREA = .02 SQ MI

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              **************
              *            *
397 KK        *    SHD10C  *
              *            *
              **************

398 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                              STORAGE ROUTING THROUGH ATLANTIC AVENUE CHANNEL at RR TRACKS

                HYDROGRAPH ROUTING DATA

400 RS          STORAGE ROUTING
                      NSTPS          1  NUMBER OF SUBREACHES
                       ITYP       STOR  TYPE OF INITIAL CONDITION
                     RSVRIC        .00  INITIAL CONDITION
                          X        .00 WORKING R AND D COEFFICIENT

401 RC          NORMAL DEPTH CHANNEL ROUTING
                        ANL       .080  LEFT OVERBANK N-VALUE
                       ANCH       .030  MAIN CHANNEL N-VALUE
                        ANR       .080  RIGHT OVERBANK N-VALUE
                      RLNTH       800.  REACH LENGTH
                        SEL      .0070  ENERGY SLOPE
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ELMAX 63.0 MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

CROSS-SECTION DATA

		--- LEFT OVERBANK ---			+ ------ MAIN CHANNEL			------- + --- RIGHT OVERBANK ---	
RY	ELEVATION	63.00	62.50	62.00	54.20	54.20	62.00	62.50	63.00
RX	DISTANCE	.00	10.00	20.00	28.00	42.00	50.00	60.00	70.00

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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.12	.25	.39	.54	.70	.86	1.03	1.21	1.40
OUTFLOW	.00	16.05	50.89	100.12	162.22	236.42	322.34	419.79	528.71	649.14
ELEVATION	54.20	54.66	55.13	55.59	56.05	56.52	56.98	57.44	57.91	58.37
STORAGE	1.59	1.80	2.01	2.23	2.46	2.70	2.94	3.19	3.55	4.07
OUTFLOW	781.14	924.85	1080.41	1247.98	1427.76	1619.93	1824.69	2050.08	2334.15	2644.58
ELEVATION	58.83	59.29	59.76	60.22	60.68	61.15	61.61	62.07	62.54	63.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 2645.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

****

HYDROGRAPH AT STATION SHD10C

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
	FEB	0100	1	0.	.0	54.2	28	FEB	0915	34	1.	.0	54.2	28	FEB	1730	67	11.	.1	54.5
	FEB	0115	2	0.	.0	54.2	28	FEB	0930	35	1.	.0	54.2	28	FEB	1745	68	10.	.1	54.5
28	FEB	0130	3	0.	.0	54.2	28	FEB	0945	36	1.	.0	54.2	28	FEB	1800	69	10.	.1	54.5
28	FEB	0145	4	0.	.0	54.2	28	FEB	1000	37	2.	.0	54.2	28	FEB	1815	70	9.	.1	54.5
28	FEB	0200	5	0.	.0	54.2	28	FEB	1015	38	2.	.0	54.3	28	FEB	1830	71	9.	.1	54.5
28	FEB	0215	6	0.	.0	54.2	28	FEB	1030	39	2.	.0	54.3	28	FEB	1845	72	8.	.1	54.4
28	FEB	0230	7	0.	.0	54.2	28	FEB	1045	40	3.	.0	54.3	28	FEB	1900	73	8.	.1	54.4
28	FEB	0245	8	0.	.0	54.2	28	FEB	1100	41	3.	.0	54.3	28	FEB	1915	74	8.	.1	54.4
28	FEB	0300	9	0.	.0	54.2	28	FEB	1115	42	4.	.0	54.3	28	FEB	1930	75	7.	.1	54.4
28	FEB	0315	10	0.	.0	54.2	28	FEB	1130	43	4.	.0	54.3	28	FEB	1945	76	7.	.1	54.4
28	FEB	0330	11	0.	.0	54.2	28	FEB	1145	44	5.	.0	54.3	28	FEB	2000	77	6.	.0	54.4
28	FEB	0345	12	0.	.0	54.2	28	FEB	1200	45	6.	.0	54.4	28	FEB	2015	78	6.	.0	54.4
28	FEB	0400	13	0.	.0	54.2	28	FEB	1215	46	7.	.1	54.4	28	FEB	2030	79	6.	.0	54.4
28	FEB	0415	14	0.	.0	54.2	28	FEB	1230	47	10.	.1	54.5	28	FEB	2045	80	6.	.0	54.4
28	FEB	0430	15	0.	.0	54.2	28	FEB	1245	48	14.	.1	54.6	28	FEB	2100	81	5.	.0	54.4
28	FEB	0445	16	0.	.0	54.2	28	FEB	1300	49	25.	.2	54.8	28	FEB	2115	82	5.	.0	54.4
28	FEB	0500	17	0.	.0	54.2	28	FEB	1315	50	54.	.3	55.2	28	FEB	2130	83	5.	.0	54.3
28	FEB	0515	18	0.	.0	54.2	28	FEB	1330	51	92.	.4	55.5	28	FEB	2145	84	5.	.0	54.3
28	FEB	0530	19	0.	.0	54.2	28	FEB	1345	52	95.	.4	55.5	28	FEB	2200	85	5.	.0	54.3
28	FEB	0545	20	0.	.0	54.2	28	FEB	1400	53	82.	.3	55.4	28	FEB	2215	86	5.	.0	54.3
28	FEB	0600	21	0.	.0	54.2	28	FEB	1415	54	68.	.3	55.3	28	FEB	2230	87	5.	.0	54.3
28	FEB	0615	22	0.	.0	54.2	28	FEB	1430	55	52.	.3	55.1	28	FEB	2245	88	5.	.0	54.3
28	FEB	0630	23	0.	.0	54.2	28	FEB	1445	56	42.	.2	55.0	28	FEB	2300	89	4.	.0	54.3
28	FEB	0645	24	0.	.0	54.2	28	FEB	1500	57	33.	.2	54.9	28	FEB	2315	90	4.	.0	54.3
28	FEB	0700	25	0.	.0	54.2	28	FEB	1515	58	27.	.2	54.8	28	FEB	2330	91	4.	.0	54.3
28	FEB	0715	26	0.	.0	54.2	28	FEB	1530	59	23.	.1	54.8	28	FEB	2345	92	4.	.0	54.3
28	FEB	0730	27	0.	.0	54.2	28	FEB	1545	60	20.	.1	54.7	1	MAR	0000	93	4.	.0	54.3
28	FEB	0745	28	0.	.0	54.2	28	FEB	1600	61	18.	.1	54.7	1	MAR	0015	94	4.	.0	54.3
	FEB	0800	29	0.	.0	54.2	28	FEB	1615	62	16.	.1	54.7	1	MAR	0030	95	4.	.0	54.3
	FEB	0815	30	0.	.0	54.2	28	FEB	1630	63	15.	.1	54.6	1	MAR	0045	96	4.	.0	54.3
28	FEB	0830	31	1.	.0	54.2	28	FEB	1645	64	13.	.1	54.6	1	MAR	0100	97	4.	.0	54.3
28	FEB	0845	32	1.	.0	54.2	28	FEB	1700	65	12.	.1	54.6							
28	FEB	0900	33	1.	.0	54.2	28	FEB	1715	66	11.	.1	54.5							

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+   (CFS)       (HR)
                          (CFS)
+      95.     12.75                  32.         10.         10.          10.
                        (INCHES)    3.243       4.060       4.060        4.060
                         (AC-FT)      16.         20.         20.          20.

PEAK STORAGE   TIME                         MAXIMUM AVERAGE STORAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+  (AC-FT)      (HR)
       0.     12.75                   0.          0.          0.           0.

 PEAK STAGE    TIME                          MAXIMUM AVERAGE STAGE
                                     6-HR       24-HR       72-HR     24.00-HR
+   (FEET)      (HR)
    55.54     12.75                 54.82       54.41       54.41        54.41

                        CUMULATIVE AREA =     .09 SQ MI


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           *            *
 404 KK    *     HB4B   *
           *            *
           **************

 405 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

               SUBBASIN RUNOFF DATA

 407 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .07  SUBBASIN AREA

                 PRECIPITATION DATA

 408 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                 5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                   .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                   STORM AREA =     .07

 409 LS          SCS LOSS RATE
                       STRTL         .15  INITIAL ABSTRACTION
                      CRVNBR       93.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 410 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .32  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG
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UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES

43. 71. 34. 14. 5. 2. 1. 0.

HYDROGRAPH AT STATION HB4B

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.04	1.25	105.
28 FEB 0115	2	.02	.02	.00	0.	28 FEB 1330	51	.34	.01	.33	127.
28 FEB 0130	3	.02	.02	.00	0.	28 FEB 1345	52	.23	.00	.23	86.
28 FEB 0145	4	.02	.02	.00	0.	28 FEB 1400	53	.19	.00	.18	57.
28 FEB 0200	5	.02	.02	.00	0.	28 FEB 1415	54	.11	.00	.11	39.
28 FEB 0215	6	.02	.02	.00	0.	28 FEB 1430	55	.10	.00	.09	26.
28 FEB 0230	7	.02	.02	.00	0.	28 FEB 1445	56	.09	.00	.09	20.
28 FEB 0245	8	.02	.02	.00	0.	28 FEB 1500	57	.09	.00	.08	17.
28 FEB 0300	9	.02	.02	.00	0.	28 FEB 1515	58	.08	.00	.08	15.
28 FEB 0315	10	.02	.02	.00	0.	28 FEB 1530	59	.07	.00	.07	14.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.07	.00	.07	12.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.00	.06	12.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.00	.05	11.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.00	.05	10.
28 FEB 0430	15	.02	.02	.00	1.	28 FEB 1645	64	.05	.00	.05	9.
28 FEB 0445	16	.02	.02	.01	1.	28 FEB 1700	65	.05	.00	.05	8.
28 FEB 0500	17	.02	.02	.01	1.	28 FEB 1715	66	.04	.00	.04	8.
28 FEB 0515	18	.02	.02	.01	1.	28 FEB 1730	67	.04	.00	.04	7.
28 FEB 0530	19	.02	.01	.01	1.	28 FEB 1745	68	.04	.00	.04	7.
28 FEB 0545	20	.02	.01	.01	1.	28 FEB 1800	69	.04	.00	.04	7.
28 FEB 0600	21	.02	.01	.01	1.	28 FEB 1815	70	.04	.00	.04	7.
28 FEB 0615	22	.02	.01	.01	2.	28 FEB 1830	71	.04	.00	.04	6.
28 FEB 0630	23	.03	.01	.01	2.	28 FEB 1845	72	.03	.00	.03	6.
28 FEB 0645	24	.03	.01	.01	2.	28 FEB 1900	73	.03	.00	.03	6.
28 FEB 0700	25	.03	.01	.01	2.	28 FEB 1915	74	.03	.00	.03	6.
28 FEB 0715	26	.03	.02	.02	2.	28 FEB 1930	75	.03	.00	.03	5.
28 FEB 0730	27	.03	.01	.02	3.	28 FEB 1945	76	.03	.00	.03	5.
28 FEB 0745	28	.04	.01	.02	3.	28 FEB 2000	77	.03	.00	.02	4.
28 FEB 0800	29	.04	.01	.02	4.	28 FEB 2015	78	.02	.00	.02	4.
28 FEB 0815	30	.04	.01	.02	4.	28 FEB 2030	79	.02	.00	.02	4.
28 FEB 0830	31	.04	.01	.03	4.	28 FEB 2045	80	.02	.00	.02	4.
28 FEB 0845	32	.04	.01	.03	4.	28 FEB 2100	81	.02	.00	.02	4.
28 FEB 0900	33	.04	.01	.03	5.	28 FEB 2115	82	.02	.00	.02	4.
28 FEB 0915	34	.04	.01	.03	5.	28 FEB 2130	83	.02	.00	.02	4.
28 FEB 0930	35	.05	.01	.03	5.	28 FEB 2145	84	.02	.00	.02	4.
28 FEB 0945	36	.05	.01	.04	6.	28 FEB 2200	85	.02	.00	.02	4.
28 FEB 1000	37	.05	.01	.04	6.	28 FEB 2215	86	.02	.00	.02	3.
28 FEB 1015	38	.06	.01	.05	7.	28 FEB 2230	87	.02	.00	.02	3.
28 FEB 1030	39	.06	.01	.05	8.	28 FEB 2245	88	.02	.00	.02	3.
28 FEB 1045	40	.07	.01	.06	9.	28 FEB 2300	89	.02	.00	.02	3.
28 FEB 1100	41	.07	.01	.06	9.	28 FEB 2315	90	.02	.00	.02	3.
28 FEB 1115	42	.08	.01	.07	10.	28 FEB 2330	91	.02	.00	.02	3.
28 FEB 1130	43	.09	.01	.08	11.	28 FEB 2345	92	.02	.00	.02	3.
28 FEB 1145	44	.09	.01	.08	12.	1 MAR 0000	93	.02	.00	.02	3.
28 FEB 1200	45	.10	.01	.09	13.	1 MAR 0015	94	.02	.00	.02	3.
28 FEB 1215	46	.17	.02	.15	17.	1 MAR 0030	95	.02	.00	.02	3.
28 FEB 1230	47	.21	.02	.19	24.	1 MAR 0045	96	.02	.00	.02	3.
28 FEB 1245	48	.28	.02	.25	31.	1 MAR 0100	97	.02	.00	.02	3.
28 FEB 1300	49	.59	.03	.55	51.						

TOTAL RAINFALL = 6.60, TOTAL LOSS = .82, TOTAL EXCESS = 5.77

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+    127.     12.50                  31.         10.         10.          10.
                       (INCHES)    4.333       5.745       5.745        5.745
                        (AC-FT)      15.         20.         20.          20.

                        CUMULATIVE AREA =     .07 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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          *            *
411 KK    *   4DCHAB   *
          *            *
          **************

412 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                              DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON

  6 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN          15  TIME INTERVAL IN MINUTES
                     JXDATE     28FEB91  STARTING DATE
                     JXTIME         100  STARTING TIME

             SUBBASIN RUNOFF DATA

414 BA          SUBBASIN CHARACTERISTICS
                      TAREA         .26  SUBBASIN AREA

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                                                HYDROGRAPH AT STATION   4DCHAB

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                                  *                                  *                                  *
  DA MON HRMN  ORD      FLOW      *  DA MON HRMN  ORD      FLOW      *  DA MON HRMN  ORD      FLOW      *  DA MON HRMN  ORD      FLOW
                                  *                                  *                                  *
  28 FEB 0100    1        0.      *  28 FEB 0715   26        0.      *  28 FEB 1330   51      116.      *  28 FEB 1945   76       25.
  28 FEB 0115    2        0.      *  28 FEB 0730   27        0.      *  28 FEB 1345   52       87.      *  28 FEB 2000   77       25.
  28 FEB 0130    3        0.      *  28 FEB 0745   28        0.      *  28 FEB 1400   53       61.      *  28 FEB 2015   78       25.
  28 FEB 0145    4        0.      *  28 FEB 0800   29        0.      *  28 FEB 1415   54       47.      *  28 FEB 2030   79       25.
  28 FEB 0200    5        0.      *  28 FEB 0815   30        0.      *  28 FEB 1430   55       37.      *  28 FEB 2045   80       25.
  28 FEB 0215    6        0.      *  28 FEB 0830   31        0.      *  28 FEB 1445   56       32.      *  28 FEB 2100   81       25.
  28 FEB 0230    7        0.      *  28 FEB 0845   32        0.      *  28 FEB 1500   57       30.      *  28 FEB 2115   82       25.
  28 FEB 0245    8        0.      *  28 FEB 0900   33        0.      *  28 FEB 1515   58       29.      *  28 FEB 2130   83       24.
  28 FEB 0300    9        0.      *  28 FEB 0915   34        1.      *  28 FEB 1530   59       28.      *  28 FEB 2145   84       24.
  28 FEB 0315   10        0.      *  28 FEB 0930   35        1.      *  28 FEB 1545   60       27.      *  28 FEB 2200   85       24.
  28 FEB 0330   11        0.      *  28 FEB 0945   36        1.      *  28 FEB 1600   61       27.      *  28 FEB 2215   86       24.
  28 FEB 0345   12        0.      *  28 FEB 1000   37        1.      *  28 FEB 1615   62       27.      *  28 FEB 2230   87       24
  28 FEB 0400   13        0.      *  28 FEB 1015   38        2.      *  28 FEB 1630   63       26.      *  28 FEB 2245   88       24.
  28 FEB 0415   14        0.      *  28 FEB 1030   39        2.      *  28 FEB 1645   64       26.      *  28 FEB 2300   89       24.
  28 FEB 0430   15        0.      *  28 FEB 1045   40        3.      *  28 FEB 1700   65       26.      *  28 FEB 2315   90       24.
  28 FEB 0445   16        0.      *  28 FEB 1100   41        3.      *  28 FEB 1715   66       26.      *  28 FEB 2330   91       24.
  28 FEB 0500   17        0.      *  28 FEB 1115   42        4.      *  28 FEB 1730   67       26.      *  28 FEB 2345   92       24.
  28 FEB 0515   18        0.      *  28 FEB 1130   43        5.      *  28 FEB 1745   68       26.      *   1 MAR 0000   93       23.
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  28 FEB 0530   19        0.   *  28 FEB 1145   44        6.   *  28 FEB 1800   69       26.   *  1 MAR 0015   94       23.
  28 FEB 0545   20        0.   *  28 FEB 1200   45        7.   *  28 FEB 1815   70       26.   *  1 MAR 0030   95       23.
  28 FEB 0600   21        0.   *  28 FEB 1215   46       10.   *  28 FEB 1830   71       26.   *  1 MAR 0045   96       23.
  28 FEB 0615   22        0.   *  28 FEB 1230   47       14.   *  28 FEB 1845   72       26.   *  1 MAR 0100   97       23.
  28 FEB 0630   23        0.   *  28 FEB 1245   48       21.   *  28 FEB 1900   73       26.   *
   8 FEB 0645   24        0.   *  28 FEB 1300   49       37.   *  28 FEB 1915   74       26.   *
  28 FEB 0700   25        0.   *  28 FEB 1315   50       88.   *  28 FEB 1930   75       25.   *
                                *                              *                              *
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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                     6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                          (CFS)
+    116.     12.50                   39.         17.         17.          17.
                        (INCHES)    1.392       2.407       2.407        2.407
                         (AC-FT)      19.         33.         33.          33.

                        CUMULATIVE AREA =     .26 SQ MI


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           **************
           *            *
 425 KK    *     HB1AN  *
           *            *
           **************

 426 KO          OUTPUT CONTROL VARIABLES
                       IPRNT           1  PRINT CONTROL
                       IPLOT           0  PLOT CONTROL
                       QSCAL          0.  HYDROGRAPH PLOT SCALE
                                SCS RUNOFF CALCULATION

              SUBBASIN RUNOFF DATA

 428 BA          SUBBASIN CHARACTERISTICS
                       TAREA         .01  SUBBASIN AREA

                 PRECIPITATION DATA

 429 PH                                DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                 ..... HYDRO-35 ......  ............... TP-40 ...............  ........... T    ...........
                 5-MIN  15-MIN  60-MI    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DA    DAY  10-DAY
                   .60    1.30    2.5    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .01

 430 LS          SCS LOSS RATE
                       STRTL         .47  INITIAL ABSTRACTION
                      CRVNBR       81.00  CURVE NUMBER
                       RTIMP         .00  PERCENT IMPERVIOUS AREA

 431 UD          SCS DIMENSIONLESS UNITGRAPH
                        TLAG         .28  LAG

                                                        ***

 ...NING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                    UNIT HYDROGRAPH
                                                 8 END-OF-PERIOD ORDINATES
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7. 9. 3. 1. 0. 0. 0. 0.

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HYDROGRAPH AT STATION HB1AN

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DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.25	1.05	11.
28 FEB 0115	2	.02	.02	.00	0.	28 FEB 1330	51	.34	.05	.29	13.
28 FEB 0130	3	.02	.02	.00	0.	28 FEB 1345	52	.23	.03	.20	8.
28 FEB 0145	4	.02	.02	.00	0.	28 FEB 1400	53	.19	.02	.16	5.
28 FEB 0200	5	.02	.02	.00	0.	28 FEB 1415	54	.11	.01	.10	4.
28 FEB 0215	6	.02	.02	.00	0.	28 FEB 1430	55	.10	.01	.08	3.
28 FEB 0230	7	.02	.02	.00	0.	28 FEB 1445	56	.09	.01	.08	2.
28 FEB 0245	8	.02	.02	.00	0.	28 FEB 1500	57	.09	.01	.08	2.
28 FEB 0300	9	.02	.02	.00	0.	28 FEB 1515	58	.08	.01	.07	2.
28 FEB 0315	10	.02	.02	.00	0.	28 FEB 1530	59	.07	.01	.06	1.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.07	.01	.06	1.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.01	.06	1.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.01	.05	1.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.00	.05	1.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.00	.04	1.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.03	1.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	1.
28 FEB 0630	23	.03	.03	.00	0.	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.03	.00	0.	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.03	.00	0.	28 FEB 1915	74	.03	.00	.03	1.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.00	0.	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.03	.00	0.	28 FEB 2000	77	.03	.00	.02	0.
28 FEB 0800	29	.04	.03	.00	0.	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.03	.01	0.	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.03	.01	0.	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.03	.01	0.	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.03	.01	0.	28 FEB 2115	82	.02	.00	.02	0.
28 FEB 0915	34	.04	.03	.01	0.	28 FEB 2130	83	.02	.00	.02	0.
28 FEB 0930	35	.05	.03	.01	0.	28 FEB 2145	84	.02	.00	.02	0.
28 FEB 0945	36	.05	.03	.01	0.	28 FEB 2200	85	.02	.00	.02	0.
28 FEB 1000	37	.05	.04	.02	0.	28 FEB 2215	86	.02	.00	.02	0.
28 FEB 1015	38	.06	.04	.02	0.	28 FEB 2230	87	.02	.00	.02	0.
28 FEB 1030	39	.06	.04	.02	0.	28 FEB 2245	88	.02	.00	.02	0.
28 FEB 1045	40	.07	.04	.03	0.	28 FEB 2300	89	.02	.00	.02	0.
28 FEB 1100	41	.07	.04	.03	1.	28 FEB 2315	90	.02	.00	.02	0.
28 FEB 1115	42	.08	.04	.04	1.	28 FEB 2330	91	.02	.00	.02	0.
28 FEB 1130	43	.09	.05	.04	1.	28 FEB 2345	92	.02	.00	.02	0.
28 FEB 1145	44	.09	.04	.05	1.	1 MAR 0000	93	.02	.00	.02	0.
28 FEB 1200	45	.10	.05	.06	1.	1 MAR 0015	94	.02	.00	.02	0.
28 FEB 1215	46	.17	.07	.10	1.	1 MAR 0030	95	.02	.00	.02	0.
28 FEB 1230	47	.21	.08	.13	2.	1 MAR 0045	96	.02	.00	.02	0.
28 FEB 1245	48	.27	.09	.18	3.	1 MAR 0100	97	.02	.00	.02	0.
28 FEB 1300	49	.59	.16	.42	5.						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 2.17, TOTAL EXCESS = 4.43

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.00-HR

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+   (CFS)       (HR)
                          (CFS)
+      13.      12.50                  3.          1.          1.          1.
                        (INCHES)    3.490       4.410       4.410       4.410
                         (AC-FT)       1.          2.          2.          2.

                         CUMULATIVE AREA =     .01 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


            **************
            *            *
435 KK      *     PXDPR  *
            *            *
            **************

436 KO          OUTPUT CONTROL VARIABLES
                      IPRNT           1  PRINT CONTROL
                      IPLOT           0  PLOT CONTROL
                      QSCAL          0.  HYDROGRAPH PLOT SCALE
                              ROUTING OF NW WOBURN & WILMINGTON THROUGH PX DEPRESSED AREA

               HYDROGRAPH ROUTING DATA

438 RS          STORAGE ROUTING
                      NSTPS           1  NUMBER OF SUBREACHES
                       ITYP        ELEV  TYPE OF INITIAL CONDITION
                     RSVRIC       67.40  INITIAL CONDITION
                          X         .00 WORKING R AND D COEFFICIENT

439 SA               AREA          .0        .3        .7        .9        .9

440 SE          ELEVATION       68.00     69.00     70.00     71.00     72.40

441 SL          LOW-LEVEL OUTLET
                      ELEVL       68.90  ELEVATION AT CENTER OF OUTLET
                      CAREA        7.07  CROSS-SECTIONAL AREA
                       COQL         .60  COEFFICIENT
                       EXPL         .50  EXPONENT OF HEAD

442 SS          SPILLWAY
                       CREL       72.30  SPILLWAY CREST ELEVATION
                      SPWID       30.00  SPILLWAY WIDTH
                       COQW        3.00  WEIR COEFFICIENT
                       EXPW        1.50  EXPONENT OF HEAD

                                                    ***

                                          COMPUTED STORAGE-ELEVATION DATA

          STORAGE        .00       .10       .59      1.41      2.72
        ELEVATION      68.00     69.00     70.00     71.00     72.40

                                          COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW        .00       .00     40.27     42.44     44.86     47.57     50.63     54.11     58.10     62.73
        ELEVATION      68.00     68.90     70.30     70.46     70.64     70.86     71.11     71.43     71.82     72.30

          OUTFLOW      62.88     63.01     63.18     63.41     63.71     64.09     64.54     65.09     65.74     66.49
        ELEVATION      72.31     72.31     72.32     72.33     72.34     72.35     72.36     72.37     72.38     72.40
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COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.07	.10	.59	.81	.94	1.09	1.28	1.41	1.52
OUTFLOW	.00	.00	10.76	35.68	40.27	42.44	44.86	47.57	49.30	50.63
ELEVATION	68.00	68.90	69.00	70.00	70.30	70.46	70.64	70.86	71.00	71.11
STORAGE	1.82	2.18	2.63	2.64	2.66	2.67	2.68	2.70	2.71	2.72
OUTFLOW	54.11	58.10	62.73	63.01	63.41	64.09	64.54	65.09	65.74	66.49
ELEVATION	71.43	71.82	72.30	72.31	72.33	72.35	72.36	72.37	72.38	72.40

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 11.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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HYDROGRAPH AT STATION PXDPR

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.0	68.0	28	FEB	0915	34	0.	.0	68.3	28	FEB	1730	67	27.	.4	69.6
28	FEB	0115	2	0.	.0	68.0	28	FEB	0930	35	0.	.1	68.6	28	FEB	1745	68	27.	.4	69.6
28	FEB	0130	3	0.	.0	68.0	28	FEB	0945	36	0.	.1	68.9	28	FEB	1800	69	27.	.4	69.6
28	FEB	0145	4	0.	.0	68.0	28	FEB	1000	37	2.	.1	68.9	28	FEB	1815	70	27.	.4	69.6
28	FEB	0200	5	0.	.0	68.0	28	FEB	1015	38	2.	.1	68.9	28	FEB	1830	71	27.	.4	69.6
28	FEB	0215	6	0.	.0	68.0	28	FEB	1030	39	3.	.1	68.9	28	FEB	1845	72	27.	.4	69.6
28	FEB	0230	7	0.	.0	68.0	28	FEB	1045	40	3.	.1	68.9	28	FEB	1900	73	27.	.4	69.6
28	FEB	0245	8	0.	.0	68.0	28	FEB	1100	41	4.	.1	68.9	28	FEB	1915	74	27.	.4	69.6
28	FEB	0300	9	0.	.0	68.0	28	FEB	1115	42	4.	.1	68.9	28	FEB	1930	75	26.	.4	69
28	FEB	0315	10	0.	.0	68.0	28	FEB	1130	43	6.	.1	69.0	28	FEB	1945	76	26.	.4	65
28	FEB	0330	11	0.	.0	68.0	28	FEB	1145	44	7.	.1	69.0	28	FEB	2000	77	26.	.4	69.
28	FEB	0345	12	0.	.0	68.0	28	FEB	1200	45	8.	.1	69.0	28	FEB	2015	78	26.	.4	69.6
28	FEB	0400	13	0.	.0	68.0	28	FEB	1215	46	11.	.1	69.0	28	FEB	2030	79	25.	.4	69.6
28	FEB	0415	14	0.	.0	68.0	28	FEB	1230	47	13.	.1	69.1	28	FEB	2045	80	25.	.4	69.6
28	FEB	0430	15	0.	.0	68.0	28	FEB	1245	48	18.	.2	69.3	28	FEB	2100	81	25.	.4	69.6
28	FEB	0445	16	0.	.0	68.0	28	FEB	1300	49	28.	.4	69.7	28	FEB	2115	82	25.	.4	69.6
28	FEB	0500	17	0.	.0	68.0	28	FEB	1315	50	46.	1.1	70.7	28	FEB	2130	83	25.	.4	69.6
28	FEB	0515	18	0.	.0	68.0	28	FEB	1330	51	60.	2.4	72.1	28	FEB	2145	84	25.	.4	69.6
28	FEB	0530	19	0.	.0	68.0	28	FEB	1345	52	90.	3.2	72.9	28	FEB	2200	85	24.	.4	69.6
28	FEB	0545	20	0.	.0	68.0	28	FEB	1400	53	83.	3.0	72.7	28	FEB	2215	86	24.	.4	69.5
28	FEB	0600	21	0.	.0	68.0	28	FEB	1415	54	66.	2.7	72.4	28	FEB	2230	87	24.	.4	69.5
28	FEB	0615	22	0.	.0	68.0	28	FEB	1430	55	60.	2.3	72.0	28	FEB	2245	88	24.	.4	69.5
28	FEB	0630	23	0.	.0	68.0	28	FEB	1445	56	55.	1.9	71.5	28	FEB	2300	89	24.	.4	69.5
28	FEB	0645	24	0.	.0	68.0	28	FEB	1500	57	50.	1.5	71.1	28	FEB	2315	90	24.	.4	69.5
28	FEB	0700	25	0.	.0	68.0	28	FEB	1515	58	46.	1.2	70.7	28	FEB	2330	91	24.	.4	69.5
28	FEB	0715	26	0.	.0	68.0	28	FEB	1530	59	41.	.9	70.4	28	FEB	2345	92	24.	.4	69.5
28	FEB	0730	27	0.	.0	68.0	28	FEB	1545	60	37.	.7	70.1	1	MAR	0000	93	24.	.4	69.5
28	FEB	0745	28	0.	.0	68.0	28	FEB	1600	61	33.	.5	69.9	1	MAR	0015	94	24.	.3	69.5
28	FEB	0800	29	0.	.0	68.0	28	FEB	1615	62	30.	.5	69.8	1	MAR	0030	95	23.	.3	69.5
28	FEB	0815	30	0.	.0	68.1	28	FEB	1630	63	28.	.4	69.7	1	MAR	0045	96	23.	.3	69.5
28	FEB	0830	31	0.	.0	68.1	28	FEB	1645	64	27.	.4	69.7	1	MAR	0100	97	23.	.3	69.5
28	FEB	0845	32	0.	.0	68.1	28	FEB	1700	65	27.	.4	69.7							
28	FEB	0900	33	0.	.0	68.1	28	FEB	1715	66	27.	.4	69.6							

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PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	24.00-HR
		(CFS)				
+ 90.	12.75		41.	18.	18.	18.
		(INCHES)	1.443	2.443	2.443	2.443
		(AC-FT)	21.	35.	35.	35.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
3.	12.75	1.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
72.87	12.75	70.52	69.18	69.18	69.18

CUMULATIVE AREA = .27 SQ MI

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          *            *
443 KK    *    4ECHL   *
          *            *
          **************

444 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            DIRECT INPUT OF HYDROGRAPH FROM NW WOBURN & WILMINGTON

  6 IN        TIME DATA FOR INPUT TIME SERIES
                    JXMIN         15  TIME INTERVAL IN MINUTES
                   JXDATE    28FEB91  STARTING DATE
                   JXTIME        100  STARTING TIME

            SUBBASIN RUNOFF DATA

446 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .30  SUBBASIN AREA
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HYDROGRAPH AT STATION 4ECHL

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DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	0.	28 FEB 1330	51	75.	28 FEB 1945	76	18.
28 FEB 0115	2	0.	28 FEB 0730	27	0.	28 FEB 1345	52	75.	28 FEB 2000	77	18.
28 FEB 0130	3	0.	28 FEB 0745	28	0.	28 FEB 1400	53	75.	28 FEB 2015	78	17.
28 FEB 0145	4	0.	28 FEB 0800	29	0.	28 FEB 1415	54	75.	28 FEB 2030	79	17.
28 FEB 0200	5	0.	28 FEB 0815	30	0.	28 FEB 1430	55	75.	28 FEB 2045	80	16.
28 FEB 0215	6	0.	28 FEB 0830	31	0.	28 FEB 1445	56	75.	28 FEB 2100	81	16.
28 FEB 0230	7	0.	28 FEB 0845	32	0.	28 FEB 1500	57	75.	28 FEB 2115	82	15.
28 FEB 0245	8	0.	28 FEB 0900	33	1.	28 FEB 1515	58	75.	28 FEB 2130	83	15.
28 FEB 0300	9	0.	28 FEB 0915	34	3.	28 FEB 1530	59	75.	28 FEB 2145	84	15.
28 FEB 0315	10	0.	28 FEB 0930	35	3.	28 FEB 1545	60	75.	28 FEB 2200	85	14.
28 FEB 0330	11	0.	28 FEB 0945	36	5.	28 FEB 1600	61	75.	28 FEB 2215	86	14.
28 FEB 0345	12	0.	28 FEB 1000	37	6.	28 FEB 1615	62	75.	28 FEB 2230	87	14.
28 FEB 0400	13	0.	28 FEB 1015	38	7.	28 FEB 1630	63	75.	28 FEB 2245	88	13.
28 FEB 0415	14	0.	28 FEB 1030	39	9.	28 FEB 1645	64	74.	28 FEB 2300	89	13.
28 FEB 0430	15	0.	28 FEB 1045	40	11.	28 FEB 1700	65	61.	28 FEB 2315	90	13.

28 FEB 0445	16	0.	*	28 FEB 1100	41	13.	*	28 FEB 1715	66	48.	*	28 FEB 2330	91	13.
28 FEB 0500	17	0.	*	28 FEB 1115	42	16.	*	28 FEB 1730	67	33.	*	28 FEB 2345	92	12.
28 FEB 0515	18	0.	*	28 FEB 1130	43	19.	*	28 FEB 1745	68	28.	*	1 MAR 0000	93	12.
28 FEB 0530	19	0.	*	28 FEB 1145	44	22.	*	28 FEB 1800	69	27.	*	1 MAR 0015	94	12.
28 FEB 0545	20	0.	*	28 FEB 1200	45	26.	*	28 FEB 1815	70	26.	*	1 MAR 0030	95	12.
28 FEB 0600	21	0.	*	28 FEB 1215	46	35.	*	28 FEB 1830	71	25.	*	1 MAR 0045	96	12.
28 FEB 0615	22	0.	*	28 FEB 1230	47	47.	*	28 FEB 1845	72	24.	*	1 MAR 0100	97	11.
28 FEB 0630	23	0.	*	28 FEB 1245	48	59.	*	28 FEB 1900	73	24.	*			
28 FEB 0645	24	0.	*	28 FEB 1300	49	75.	*	28 FEB 1915	74	22.	*			
28 FEB 0700	25	0.	*	28 FEB 1315	50	75.	*	28 FEB 1930	75	20.	*			
			*				*				*			

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 75.	12.00		64.	22.	22.	22.
		(INCHES)	1.984	2.745	2.745	2.745
		(AC-FT)	32.	44.	44.	44.

CUMULATIVE AREA = .30 SQ MI

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          *            *
457 KK    *     HB1B   *
          *            *
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458 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

SCS RUNOFF CALCULATION

SUBBASIN RUNOFF DATA

460 BA SUBBASIN CHARACTERISTICS

TAREA	.02	SUBBASIN AREA

PRECIPITATION DATA

461 PH DEPTHS FOR 0-PERCENT HYPOTHETICAL STORM

..... HYDRO-35			..... TP-40					..... TP-49			
5-MIN	15-MIN	60-MIN	2-HR	3-HR	6-HR	12-HR	24-HR	2-DAY	4-DAY	7-DAY	10-DAY
.60	1.30	2.50	3.30	3.70	4.60	5.60	6.60	.00	.00	.00	.00

STORM AREA = .02

462 LS SCS LOSS RATE

STRTL	.38	INITIAL ABSTRACTION
CRVNBR	84.00	CURVE NUMBER
RTIMP	.00	PERCENT IMPERVIOUS AREA

463 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	.31	LAG

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WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

UNIT HYDROGRAPH
8 END-OF-PERIOD ORDINATES

14. 23. 10. 4. 2. 1. 0. 0.

HYDROGRAPH AT STATION HB1B

DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA MON HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28 FEB 0100	1	.00	.00	.00	0.	28 FEB 1315	50	1.30	.19	1.11	29.
28 FEB 0115	2	.02	.02	.00	0.	28 FEB 1330	51	.34	.04	.30	35.
28 FEB 0130	3	.02	.02	.00	0.	28 FEB 1345	52	.23	.02	.21	24.
28 FEB 0145	4	.02	.02	.00	0.	28 FEB 1400	53	.19	.02	.17	16.
28 FEB 0200	5	.02	.02	.00	0.	28 FEB 1415	54	.11	.01	.10	11.
28 FEB 0215	6	.02	.02	.00	0.	28 FEB 1430	55	.10	.01	.09	8.
28 FEB 0230	7	.02	.02	.00	0.	28 FEB 1445	56	.09	.01	.09	6.
28 FEB 0245	8	.02	.02	.00	0.	28 FEB 1500	57	.09	.01	.08	5.
28 FEB 0300	9	.02	.02	.00	0.	28 FEB 1515	58	.08	.01	.07	4.
28 FEB 0315	10	.02	.02	.00	0.	28 FEB 1530	59	.07	.01	.07	4.
28 FEB 0330	11	.02	.02	.00	0.	28 FEB 1545	60	.07	.00	.06	4.
28 FEB 0345	12	.02	.02	.00	0.	28 FEB 1600	61	.06	.00	.06	3.
28 FEB 0400	13	.02	.02	.00	0.	28 FEB 1615	62	.05	.00	.05	3.
28 FEB 0415	14	.02	.02	.00	0.	28 FEB 1630	63	.05	.00	.05	3.
28 FEB 0430	15	.02	.02	.00	0.	28 FEB 1645	64	.05	.00	.04	3.
28 FEB 0445	16	.02	.02	.00	0.	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	28 FEB 1800	69	.04	.00	.04	2.
28 FEB 0600	21	.02	.02	.00	0.	28 FEB 1815	70	.04	.00	.03	2.
28 FEB 0615	22	.02	.02	.00	0.	28 FEB 1830	71	.04	.00	.03	2.
28 FEB 0630	23	.03	.02	.00	0.	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.03	.02	.00	0.	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.03	.02	.00	0.	28 FEB 1915	74	.03	.00	.03	2.
28 FEB 0715	26	.03	.03	.00	0.	28 FEB 1930	75	.03	.00	.02	1.
28 FEB 0730	27	.03	.03	.01	0.	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.03	.01	0.	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	0.	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	1.	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.01	1.	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.02	1.	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.02	1.	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.03	.03	1.	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.03	.03	1.	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.04	.03	2.	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.04	.04	2.	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.04	.04	2.	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.04	.05	2.	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.04	.05	3.	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.04	.06	3.	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.06	.11	4.	1 MAR 0030	95	.02	.00	.02	1.
28 FEB 1230	47	.21	.06	.14	6.	1 MAR 0045	96	.02	.00	.02	1.
28 FEB 1245	48	.28	.07	.20	8.	1 MAR 0100	97	.02	.00	.02	1.
28 FEB 1300	49	.59	.13	.46	13.						

TOTAL RAINFALL = 6.60, TOTAL LOSS = 1.84, TOTAL EXCESS = 4.76

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 PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
                                    6-HR       24-HR       72-HR     24.00-HR
+  (CFS)       (HR)
                         (CFS)
+     35.     12.50                  8.          3.          3.          3.
                       (INCHES)    3.715       4.733       4.733       4.733
                        (AC-FT)      4.          5.          5.          5.

                       CUMULATIVE AREA =     .02 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          ***************
          *             *
467 KK    *    EWCLPX   *
          *             *
          ***************

468 KO         OUTPUT CONTROL VARIABLES
                     IPRNT           1  PRINT CONTROL
                     IPLOT           0  PLOT CONTROL
                     QSCAL          0.  HYDROGRAPH PLOT SCALE
                              CHANNEL ROUTING THROUGH E/W CHANNEL AT PX REALTY

             HYDROGRAPH ROUTING DATA

470 RS         STORAGE ROUTING
                     NSTPS           1  NUMBER OF SUBREACHES
                      ITYP        STOR  TYPE OF INITIAL CONDITION
                    RSVRIC         .00  INITIAL CONDITION
                         X         .00 WORKING R AND D COEFFICIENT

471 RC         NORMAL DEPTH CHANNEL ROUTING
                       ANL        .080  LEFT OVERBANK N-VALUE
                      ANCH        .030  MAIN CHANNEL N-VALUE
                       ANR        .080  RIGHT OVERBANK N-VALUE
                     RLNTH        250.  REACH LENGTH
                       SEL       .0032  ENERGY SLOPE
                     ELMAX        70.5  MAX. ELEV. FOR STORAGE/OUTFLOW CALCULATION

                                      CROSS-SECTION DATA
                        --- LEFT OVERBANK --- + ------ MAIN CHANNEL ------- + --- RIGHT OVERBANK ---
473 RY       ELEVATION    72.00     71.00     70.00     64.40     64.40     70.00     70.20     70.50
472 RX       DISTANCE       .00      5.00     10.00     16.00     22.00     28.00     38.00     48.00

                                                          ***

                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00       .01       .02       .04       .05       .07       .09       .11       .13       .15
          OUTFLOW       .00      2.53      8.05     15.95     26.08     38.39     52.88     69.60     88.60    109.93
        ELEVATION     64.40     64.72     65.04     65.36     65.68     66.01     66.33     66.65     66.97     67.29

          STORAGE       .17       .20       .22       .25       .28       .31       .34       .37       .41       .47
          OUTFLOW    133.66    159.86    188.59    219.93    253.95    290.73    330.32    372.81    424.60    486.74
        ELEVATION     67.61     67.93     68.25     68.57     68.89     69.22     69.54     69.86     70.18     70.50

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO      487.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)
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HYDROGRAPH AT STATION EWCLPX

DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA MON HRMN	ORD	OUTFLOW	STORAGE	STAGE
28 FEB 0100	1	0.	.0	64.4	28 FEB 0915	34	3.	.0	64.8	28 FEB 1730	67	37.	.1	66.0
28 FEB 0115	2	0.	.0	64.4	28 FEB 0930	35	4.	.0	64.8	28 FEB 1745	68	30.	.1	65.8
28 FEB 0130	3	0.	.0	64.4	28 FEB 0945	36	5.	.0	64.9	28 FEB 1800	69	30.	.1	65.8
28 FEB 0145	4	0.	.0	64.4	28 FEB 1000	37	7.	.0	65.0	28 FEB 1815	70	28.	.1	65.7
28 FEB 0200	5	0.	.0	64.4	28 FEB 1015	38	8.	.0	65.0	28 FEB 1830	71	27.	.1	65.7
28 FEB 0215	6	0.	.0	64.4	28 FEB 1030	39	10.	.0	65.1	28 FEB 1845	72	26.	.1	65.7
28 FEB 0230	7	0.	.0	64.4	28 FEB 1045	40	12.	.0	65.2	28 FEB 1900	73	26.	.1	65.7
28 FEB 0245	8	0.	.0	64.4	28 FEB 1100	41	15.	.0	65.3	28 FEB 1915	74	24.	.1	65.6
28 FEB 0300	9	0.	.0	64.4	28 FEB 1115	42	18.	.0	65.4	28 FEB 1930	75	22.	.0	65.5
28 FEB 0315	10	0.	.0	64.4	28 FEB 1130	43	21.	.0	65.5	28 FEB 1945	76	20.	.0	65.5
28 FEB 0330	11	0.	.0	64.4	28 FEB 1145	44	24.	.1	65.6	28 FEB 2000	77	19.	.0	65.5
28 FEB 0345	12	0.	.0	64.4	28 FEB 1200	45	29.	.1	65.8	28 FEB 2015	78	19.	.0	65.4
28 FEB 0400	13	0.	.0	64.4	28 FEB 1215	46	38.	.1	66.0	28 FEB 2030	79	18.	.0	65.4
28 FEB 0415	14	0.	.0	64.4	28 FEB 1230	47	52.	.1	66.3	28 FEB 2045	80	17.	.0	65.4
28 FEB 0430	15	0.	.0	64.4	28 FEB 1245	48	66.	.1	66.6	28 FEB 2100	81	17.	.0	65.4
28 FEB 0445	16	0.	.0	64.4	28 FEB 1300	49	87.	.1	66.9	28 FEB 2115	82	16.	.0	65.4
28 FEB 0500	17	0.	.0	64.4	28 FEB 1315	50	104.	.1	67.2	28 FEB 2130	83	16.	.0	65.4
28 FEB 0515	18	0.	.0	64.4	28 FEB 1330	51	110.	.2	67.3	28 FEB 2145	84	16.	.0	65.4
28 FEB 0530	19	0.	.0	64.4	28 FEB 1345	52	100.	.1	67.1	28 FEB 2200	85	15.	.0	65.3
28 FEB 0545	20	0.	.0	64.4	28 FEB 1400	53	91.	.1	67.0	28 FEB 2215	86	15.	.0	65.3
28 FEB 0600	21	0.	.0	64.4	28 FEB 1415	54	87.	.1	66.9	28 FEB 2230	87	15.	.0	65.3
28 FEB 0615	22	0.	.0	64.4	28 FEB 1430	55	82.	.1	66.9	28 FEB 2245	88	14.	.0	65.3
28 FEB 0630	23	0.	.0	64.4	28 FEB 1445	56	81.	.1	66.8	28 FEB 2300	89	14.	.0	65.3
FEB 0645	24	0.	.0	64.4	28 FEB 1500	57	80.	.1	66.8	28 FEB 2315	90	14.	.0	65.3
FEB 0700	25	0.	.0	64.4	28 FEB 1515	58	80.	.1	66.8	28 FEB 2330	91	14.	.0	65.3
28 FEB 0715	26	0.	.0	64.4	28 FEB 1530	59	79.	.1	66.8	28 FEB 2345	92	13.	.0	65.2
28 FEB 0730	27	0.	.0	64.4	28 FEB 1545	60	79.	.1	66.8	1 MAR 0000	93	13.	.0	65.2
28 FEB 0745	28	0.	.0	64.4	28 FEB 1600	61	78.	.1	66.8	1 MAR 0015	94	13.	.0	65.2
28 FEB 0800	29	0.	.0	64.4	28 FEB 1615	62	78.	.1	66.8	1 MAR 0030	95	13.	.0	65.2
28 FEB 0815	30	0.	.0	64.4	28 FEB 1630	63	78.	.1	66.8	1 MAR 0045	96	13.	.0	65.2
28 FEB 0830	31	0.	.0	64.5	28 FEB 1645	64	77.	.1	66.8	1 MAR 0100	97	12.	.0	65.2
28 FEB 0845	32	1.	.0	64.5	28 FEB 1700	65	65.	.1	66.6					
28 FEB 0900	33	1.	.0	64.6	28 FEB 1715	66	51.	.1	66.3					

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 110.	12.50		72.	25.	25.	25.
		(INCHES)	2.096	2.873	2.873	2.873
		(AC-FT)	36.	49.	49.	49.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
0.	12.50	0.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
(FEET)	(HR)				
67.29	12.50	66.66	65.36	65.36	65.36

CUMULATIVE AREA = .32 SQ MI

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          *            *
474 KK    *    HB1AS   *
          *            *
          **************

475 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                             SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

477 BA        SUBBASIN CHARACTERISTICS
                    TAREA        .01  SUBBASIN AREA

              PRECIPITATION DATA

478 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .01

479 LS        SCS LOSS RATE
                    STRTL        .22  INITIAL ABSTRACTION
                   CRVNBR      90.00  CURVE NUMBER
                    RTIMP        .00  PERCENT IMPERVIOUS AREA

480 UD        SCS DIMENSIONLESS UNITGRAPH
                     TLAG        .47  LAG

                                                          ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                     UNIT HYDROGRAPH
                                                 11 END-OF-PERIOD ORDINATES
              2.       5.       4.       2.       1.       1.       0.       0.       0.       0.
              0.

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                                                HYDROGRAPH AT STATION    HB1AS

*****************************************************************************************************************************
                                                                  *
      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q        *      DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
      28 FEB 0100    1     .00     .00     .00         0.        *      28 FEB 1315   50    1.30     .08    1.22         6.
      28 FEB 0115    2     .02     .02     .00         0.        *      28 FEB 1330   51     .34     .02     .32         9.
      28 FEB 0130    3     .02     .02     .00         0.        *      28 FEB 1345   52     .23     .01     .22         9.
      28 FEB 0145    4     .02     .02     .00         0.        *      28 FEB 1400   53     .19     .01     .18         6.
      28 FEB 0200    5     .02     .02     .00         0.        *      28 FEB 1415   54     .11     .00     .11         5.
      28 FEB 0215    6     .02     .02     .00         0.        *      28 FEB 1430   55     .10     .00     .09         3.
      28 FEB 0230    7     .02     .02     .00         0.        *      28 FEB 1445   56     .09     .00     .09         2.
      28 FEB 0245    8     .02     .02     .00         0.        *      28 FEB 1500   57     .09     .00     .08         2.
      28 FEB 0300    9     .02     .02     .00         0.        *      28 FEB 1515   58     .08     .00     .08         2.
      28 FEB 0315   10     .02     .02     .00         0.        *      28 FEB 1530   59     .07     .00     .07         1.
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28 FEB 0330	11	.02	.02	.00	0.	*	28 FEB 1545	60	.07	.00	.07	1.
28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.06	1.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	1.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	1.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.05	1.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	1.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	1.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	1.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	1.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	1.
28 FEB 0600	21	.02	.02	.01	0.	*	28 FEB 1815	70	.04	.00	.04	1.
28 FEB 0615	22	.02	.02	.01	0.	*	28 FEB 1830	71	.04	.00	.04	1.
28 FEB 0630	23	.03	.02	.01	0.	*	28 FEB 1845	72	.03	.00	.03	1.
28 FEB 0645	24	.03	.02	.01	0.	*	28 FEB 1900	73	.03	.00	.03	1.
28 FEB 0700	25	.03	.02	.01	0.	*	28 FEB 1915	74	.03	.00	.03	1.
28 FEB 0715	26	.03	.02	.01	0.	*	28 FEB 1930	75	.03	.00	.03	0.
28 FEB 0730	27	.03	.02	.01	0.	*	28 FEB 1945	76	.03	.00	.03	0.
28 FEB 0745	28	.04	.02	.02	0.	*	28 FEB 2000	77	.03	.00	.02	0.
28 FEB 0800	29	.04	.02	.02	0.	*	28 FEB 2015	78	.02	.00	.02	0.
28 FEB 0815	30	.04	.02	.02	0.	*	28 FEB 2030	79	.02	.00	.02	0.
28 FEB 0830	31	.04	.02	.02	0.	*	28 FEB 2045	80	.02	.00	.02	0.
28 FEB 0845	32	.04	.02	.02	0.	*	28 FEB 2100	81	.02	.00	.02	0.
28 FEB 0900	33	.04	.02	.02	0.	*	28 FEB 2115	82	.02	.00	.02	0.
28 FEB 0915	34	.04	.02	.03	0.	*	28 FEB 2130	83	.02	.00	.02	0.
28 FEB 0930	35	.05	.02	.03	0.	*	28 FEB 2145	84	.02	.00	.02	0.
28 FEB 0945	36	.05	.02	.03	0.	*	28 FEB 2200	85	.02	.00	.02	0.
28 FEB 1000	37	.05	.02	.03	0.	*	28 FEB 2215	86	.02	.00	.02	0.
28 FEB 1015	38	.06	.02	.04	0.	*	28 FEB 2230	87	.02	.00	.02	0.
28 FEB 1030	39	.06	.02	.04	1.	*	28 FEB 2245	88	.02	.00	.02	0.
28 FEB 1045	40	.07	.02	.05	1.	*	28 FEB 2300	89	.02	.00	.02	0.
28 FEB 1100	41	.07	.02	.05	1.	*	28 FEB 2315	90	.02	.00	.02	0.
28 FEB 1115	42	.08	.02	.06	1.	*	28 FEB 2330	91	.02	.00	.02	0.
28 FEB 1130	43	.09	.02	.07	1.	*	28 FEB 2345	92	.02	.00	.02	0.
28 FEB 1145	44	.09	.02	.07	1.	*	1 MAR 0000	93	.02	.00	.02	0.
28 FEB 1200	45	.10	.02	.08	1.	*	1 MAR 0015	94	.02	.00	.02	0.
28 FEB 1215	46	.17	.03	.14	1.	*	1 MAR 0030	95	.02	.00	.02	0.
28 FEB 1230	47	.21	.03	.17	2.	*	1 MAR 0045	96	.02	.00	.02	0.
28 FEB 1245	48	.27	.04	.24	2.	*	1 MAR 0100	97	.02	.00	.02	0.
28 FEB 1300	49	.59	.06	.53	3.	*						
						*						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 1.17, TOTAL EXCESS = 5.43

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 9.	12.50		3.	1.	1.	1.
		(INCHES)	4.140	5.389	5.389	5.389
		(AC-FT)	1.	2.	2.	2.

CUMULATIVE AREA = .01 SQ MI

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484 KK    *    HB1CH   *
          *            *
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485 KO        OUTPUT CONTROL VARIABLES
                    IPRNT          1  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE
                            STORAGE ROUTING THROUGH N/S CHANNEL at PX REALTY

            HYDROGRAPH ROUTING DATA

487 RS        STORAGE ROUTING
                    NSTPS          1  NUMBER OF SUBREACHES
                     ITYP       ELEV  TYPE OF INITIAL CONDITION
                   RSVRIC      66.40  INITIAL CONDITION
                        X        .00 WORKING R AND D COEFFICIENT

488 SA            AREA         .0        .0        .0        .0        .0        .1        .1

489 SE        ELEVATION      66.40     66.50     67.00     67.50     68.00     69.00     69.40

490 SL        LOW-LEVEL OUTLET
                    ELEVL      59.65  ELEVATION AT CENTER OF OUTLET
                    CAREA       7.07  CROSS-SECTIONAL AREA
                     COQL        .60  COEFFICIENT
                     EXPL        .50  EXPONENT OF HEAD

491 SS        SPILLWAY
                     CREL      69.30  SPILLWAY CREST ELEVATION
                    SPWID        .00  SPILLWAY WIDTH
                     COQW        .00  WEIR COEFFICIENT
                     EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                        COMPUTED STORAGE-ELEVATION DATA

          STORAGE       .00       .00       .01       .02       .04       .09       .12
        ELEVATION     66.40     66.50     67.00     67.50     68.00     69.00     69.40

                                        COMPUTED OUTFLOW-ELEVATION DATA

          OUTFLOW       .00     90.03     91.72     93.49     95.32     97.23     99.21    101.28    103.44    105.68
        ELEVATION     66.40     66.65     66.92     67.20     67.50     67.82     68.15     68.51     68.89     69.30


                                      COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

          STORAGE       .00       .00       .00       .01       .01       .01       .02       .03       .04       .05
          OUTFLOW     88.39     89.04     90.03     91.72     92.23     93.49     95.32     97.23     98.31     99.21
        ELEVATION     66.40     66.50     66.65     66.92     67.00     67.20     67.50     67.82     68.00     68.15

          STORAGE       .06       .09       .09       .11       .12
          OUTFLOW    101.28    103.44    104.03    105.68    106.23
        ELEVATION     68.51     68.89     69.00     69.30     69.40

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN       88. TO      103.
               THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
               THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

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                                        HYDROGRAPH AT STATION    HB1CH

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                                                *                                                *
 DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE * DA MON HRMN ORD  OUTFLOW  STORAGE   STAGE
                                                *                                                *
 28 FEB 0100   1      88.       .0    66.4 * 28 FEB 0915  34       6.      -.1    66.4 * 28 FEB 1730  67      66.       .0    66.4
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28 FEB 0115	2	6.	-.1	66.4	*	28 FEB 0930	35	6.	-.1	66.4	*	28 FEB 1745	68	56.	.0	66.4
28 FEB 0130	3	6.	-.1	66.4	*	28 FEB 0945	36	6.	-.1	66.4	*	28 FEB 1800	69	58.	.0	66.4
28 FEB 0145	4	6.	-.1	66.4	*	28 FEB 1000	37	9.	-.1	66.4	*	28 FEB 1815	70	54.	.0	66.4
28 FEB 0200	5	6.	-.1	66.4	*	28 FEB 1015	38	11.	-.1	66.4	*	28 FEB 1830	71	55.	.0	66.4
[illegible] FEB 0215	6	6.	-.1	66.4	*	28 FEB 1030	39	13.	-.1	66.4	*	28 FEB 1845	72	53.	.0	66.4
[illegible] FEB 0230	7	6.	-.1	66.4	*	28 FEB 1045	40	16.	-.1	66.4	*	28 FEB 1900	73	54.	.0	66.4
28 FEB 0245	8	6.	-.1	66.4	*	28 FEB 1100	41	19.	-.1	66.4	*	28 FEB 1915	74	51.	.0	66.4
28 FEB 0300	9	6.	-.1	66.4	*	28 FEB 1115	42	23.	-.1	66.4	*	28 FEB 1930	75	49.	.0	66.4
28 FEB 0315	10	6.	-.1	66.4	*	28 FEB 1130	43	27.	.0	66.4	*	28 FEB 1945	76	46.	.0	66.4
28 FEB 0330	11	6.	-.1	66.4	*	28 FEB 1145	44	32.	.0	66.4	*	28 FEB 2000	77	45.	.0	66.4
28 FEB 0345	12	6.	-.1	66.4	*	28 FEB 1200	45	37.	.0	66.4	*	28 FEB 2015	78	44.	.0	66.4
28 FEB 0400	13	6.	-.1	66.4	*	28 FEB 1215	46	50.	.0	66.4	*	28 FEB 2030	79	44.	.0	66.4
28 FEB 0415	14	6.	-.1	66.4	*	28 FEB 1230	47	65.	.0	66.4	*	28 FEB 2045	80	43.	.0	66.4
28 FEB 0430	15	6.	-.1	66.4	*	28 FEB 1245	48	85.	.0	66.4	*	28 FEB 2100	81	43.	.0	66.4
28 FEB 0445	16	6.	-.1	66.4	*	28 FEB 1300	49	107.	.1	69.5	*	28 FEB 2115	82	42.	.0	66.4
28 FEB 0500	17	6.	-.1	66.4	*	28 FEB 1315	50	133.	.5	74.3	*	28 FEB 2130	83	41.	.0	66.4
28 FEB 0515	18	6.	-.1	66.4	*	28 FEB 1330	51	163.	.9	79.9	*	28 FEB 2145	84	41.	.0	66.4
28 FEB 0530	19	6.	-.1	66.4	*	28 FEB 1345	52	186.	1.2	84.0	*	28 FEB 2200	85	40.	.0	66.4
28 FEB 0545	20	6.	-.1	66.4	*	28 FEB 1400	53	189.	1.2	84.6	*	28 FEB 2215	86	40.	.0	66.4
28 FEB 0600	21	6.	-.1	66.4	*	28 FEB 1415	54	171.	1.0	81.3	*	28 FEB 2230	87	40.	.0	66.4
28 FEB 0615	22	6.	-.1	66.4	*	28 FEB 1430	55	154.	.8	78.1	*	28 FEB 2245	88	39.	.0	66.4
28 FEB 0630	23	6.	-.1	66.4	*	28 FEB 1445	56	144.	.6	76.2	*	28 FEB 2300	89	39.	.0	66.4
28 FEB 0645	24	6.	-.1	66.4	*	28 FEB 1500	57	137.	.5	75.0	*	28 FEB 2315	90	39.	.0	66.4
28 FEB 0700	25	6.	-.1	66.4	*	28 FEB 1515	58	130.	.4	73.8	*	28 FEB 2330	91	39.	.0	66.4
28 FEB 0715	26	6.	-.1	66.4	*	28 FEB 1530	59	125.	.4	72.9	*	28 FEB 2345	92	38.	.0	66.4
28 FEB 0730	27	6.	-.1	66.4	*	28 FEB 1545	60	120.	.3	72.0	*	1 MAR 0000	93	37.	.0	66.4
28 FEB 0745	28	6.	-.1	66.4	*	28 FEB 1600	61	115.	.2	71.1	*	1 MAR 0015	94	37.	.0	66.4
28 FEB 0800	29	6.	-.1	66.4	*	28 FEB 1615	62	111.	.2	70.3	*	1 MAR 0030	95	37.	.0	66.4
28 FEB 0815	30	6.	-.1	66.4	*	28 FEB 1630	63	108.	.1	69.8	*	1 MAR 0045	96	37.	.0	66.4
28 FEB 0830	31	6.	-.1	66.4	*	28 FEB 1645	64	106.	.1	69.4	*	1 MAR 0100	97	36.	.0	66.4
28 FEB 0845	32	6.	-.1	66.4	*	28 FEB 1700	65	99.	.0	68.1	*					
28 FEB 0900	33	6.	-.1	66.4	*	28 FEB 1715	66	77.	.0	66.4	*					
					*						*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 189.	13.00		115.	46.	46.	46.
		(INCHES)	1.800	2.868	2.868	2.868
		(AC-FT)	57.	91.	91.	91.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
1.	13.00	0.	0.	0.	0.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
84.59	13.00	72.29	67.87	67.87	67.87

CUMULATIVE AREA = .59 SQ MI

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               *             *
  492 KK       *    DIHBCH   *
               *             *
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493 KO          OUTPUT CONTROL VARIABLES
                      IPRNT          1  PRINT CONTROL
                      IPLOT          0  PLOT CONTROL
                      QSCAL         0.  HYDROGRAPH PLOT SCALE
                               DIRECT INPUT OF HYDROGRAPH FROM HB1CH (MODIFIED PEAK)

  6 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN         15  TIME INTERVAL IN MINUTES
                     JXDATE    28FEB91  STARTING DATE
                     JXTIME        100  STARTING TIME

              SUBBASIN RUNOFF DATA

495 BA          SUBBASIN CHARACTERISTICS
                      TAREA        .66  SUBBASIN AREA

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HYDROGRAPH AT STATION DIHBCH

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DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW	DA MON HRMN	ORD	FLOW
28 FEB 0100	1	0.	28 FEB 0715	26	6.	28 FEB 1330	51	110.	28 FEB 1945	76	46.
28 FEB 0115	2	6.	28 FEB 0730	27	6.	28 FEB 1345	52	110.	28 FEB 2000	77	45.
28 FEB 0130	3	6.	28 FEB 0745	28	6.	28 FEB 1400	53	110.	28 FEB 2015	78	44.
28 FEB 0145	4	6.	28 FEB 0800	29	6.	28 FEB 1415	54	110.	28 FEB 2030	79	44.
28 FEB 0200	5	6.	28 FEB 0815	30	6.	28 FEB 1430	55	110.	28 FEB 2045	80	43.
28 FEB 0215	6	6.	28 FEB 0830	31	6.	28 FEB 1445	56	110.	28 FEB 2100	81	43
28 FEB 0230	7	6.	28 FEB 0845	32	6.	28 FEB 1500	57	110.	28 FEB 2115	82	42.
28 FEB 0245	8	6.	28 FEB 0900	33	6.	28 FEB 1515	58	110.	28 FEB 2130	83	41.
28 FEB 0300	9	6.	28 FEB 0915	34	6.	28 FEB 1530	59	110.	28 FEB 2145	84	41.
28 FEB 0315	10	6.	28 FEB 0930	35	6.	28 FEB 1545	60	110.	28 FEB 2200	85	40.
28 FEB 0330	11	6.	28 FEB 0945	36	6.	28 FEB 1600	61	110.	28 FEB 2215	86	40.
28 FEB 0345	12	6.	28 FEB 1000	37	9.	28 FEB 1615	62	110.	28 FEB 2230	87	40.
28 FEB 0400	13	6.	28 FEB 1015	38	11.	28 FEB 1630	63	108.	28 FEB 2245	88	39.
28 FEB 0415	14	6.	28 FEB 1030	39	13.	28 FEB 1645	64	106.	28 FEB 2300	89	39.
28 FEB 0430	15	6.	28 FEB 1045	40	16.	28 FEB 1700	65	99.	28 FEB 2315	90	39.
28 FEB 0445	16	6.	28 FEB 1100	41	19.	28 FEB 1715	66	77.	28 FEB 2330	91	39.
28 FEB 0500	17	6.	28 FEB 1115	42	23.	28 FEB 1730	67	66.	28 FEB 2345	92	38.
28 FEB 0515	18	6.	28 FEB 1130	43	27.	28 FEB 1745	68	56.	1 MAR 0000	93	37.
28 FEB 0530	19	6.	28 FEB 1145	44	32.	28 FEB 1800	69	58.	1 MAR 0015	94	37.
28 FEB 0545	20	6.	28 FEB 1200	45	37.	28 FEB 1815	70	54.	1 MAR 0030	95	37.
28 FEB 0600	21	6.	28 FEB 1215	46	50.	28 FEB 1830	71	55.	1 MAR 0045	96	37.
28 FEB 0615	22	6.	28 FEB 1230	47	65.	28 FEB 1845	72	53.	1 MAR 0100	97	36.
28 FEB 0630	23	6.	28 FEB 1245	48	85.	28 FEB 1900	73	54.			
28 FEB 0645	24	6.	28 FEB 1300	49	107.	28 FEB 1915	74	51.			
28 FEB 0700	25	6.	28 FEB 1315	50	110.	28 FEB 1930	75	49.			

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 110.	12.25		96.	41.	41.	41.
		(INCHES)	1.355	2.283	2.283	2.283
		(AC-FT)	48.	80.	80.	80.

CUMULATIVE AREA = .66 SQ MI

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*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

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          *            *
506 KK    *     HB2A   *
          *            *
          **************

507 KO        OUTPUT CONTROL VARIABLES
                   IPRNT          1  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL         0.  HYDROGRAPH PLOT SCALE
                            SCS RUNOFF CALCULATION

            SUBBASIN RUNOFF DATA

509 BA        SUBBASIN CHARACTERISTICS
                   TAREA        .02  SUBBASIN AREA

              PRECIPITATION DATA

510 PH                              DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
              ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
              5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .02

511 LS        SCS LOSS RATE
                   STRTL        .33  INITIAL ABSTRACTION
                  CRVNBR      86.00  CURVE NUMBER
                   RTIMP        .00  PERCENT IMPERVIOUS AREA

512 UD        SCS DIMENSIONLESS UNITGRAPH
                    TLAG        .41  LAG

                                                        ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                   UNIT HYDROGRAPH
                                              10 END-OF-PERIOD ORDINATES
              8.      18.      14.       6.       3.       1.       1.       0.       0.       0.

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                                          HYDROGRAPH AT STATION     HB2A

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                                                                  *
     DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q          *     DA MON HRMN  ORD    RAIN    LOSS  EXCESS     COMP Q
                                                                  *
     28 FEB 0100    1     .00     .00     .00         0.          *     28 FEB 1315   50    1.30     .15    1.15        22.
     28 FEB 0115    2     .02     .02     .00         0.          *     28 FEB 1330   51     .34     .03     .31        32.
     28 FEB 0130    3     .02     .02     .00         0.          *     28 FEB 1345   52     .23     .02     .22        27.
     28 FEB 0145    4     .02     .02     .00         0.          *     28 FEB 1400   53     .19     .01     .17        19.
     28 FEB 0200    5     .02     .02     .00         0.          *     28 FEB 1415   54     .11     .01     .10        13.
     28 FEB 0215    6     .02     .02     .00         0.          *     28 FEB 1430   55     .10     .01     .09         9.
     28 FEB 0230    7     .02     .02     .00         0.          *     28 FEB 1445   56     .09     .01     .09         7.
     28 FEB 0245    8     .02     .02     .00         0.          *     28 FEB 1500   57     .09     .01     .08         6.
     28 FEB 0300    9     .02     .02     .00         0.          *     28 FEB 1515   58     .08     .00     .07         5.
     28 FEB 0315   10     .02     .02     .00         0.          *     28 FEB 1530   59     .07     .00     .07         4.
     28 FEB 0330   11     .02     .02     .00         0.          *     28 FEB 1545   60     .07     .00     .06         4.
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28 FEB 0345	12	.02	.02	.00	0.	*	28 FEB 1600	61	.06	.00	.06	4.
28 FEB 0400	13	.02	.02	.00	0.	*	28 FEB 1615	62	.05	.00	.05	3.
28 FEB 0415	14	.02	.02	.00	0.	*	28 FEB 1630	63	.05	.00	.05	3.
28 FEB 0430	15	.02	.02	.00	0.	*	28 FEB 1645	64	.05	.00	.05	3.
28 FEB 0445	16	.02	.02	.00	0.	*	28 FEB 1700	65	.05	.00	.04	2.
28 FEB 0500	17	.02	.02	.00	0.	*	28 FEB 1715	66	.04	.00	.04	2.
28 FEB 0515	18	.02	.02	.00	0.	*	28 FEB 1730	67	.04	.00	.04	2.
28 FEB 0530	19	.02	.02	.00	0.	*	28 FEB 1745	68	.04	.00	.04	2.
28 FEB 0545	20	.02	.02	.00	0.	*	28 FEB 1800	69	.04	.00	.04	2.
28 FEB 0600	21	.02	.02	.00	0.	*	28 FEB 1815	70	.04	.00	.04	2.
28 FEB 0615	22	.02	.02	.00	0.	*	28 FEB 1830	71	.04	.00	.03	2.
28 FEB 0630	23	.03	.02	.00	0.	*	28 FEB 1845	72	.03	.00	.03	2.
28 FEB 0645	24	.03	.02	.00	0.	*	28 FEB 1900	73	.03	.00	.03	2.
28 FEB 0700	25	.03	.02	.00	0.	*	28 FEB 1915	74	.03	.00	.03	2.
28 FEB 0715	26	.03	.03	.01	0.	*	28 FEB 1930	75	.03	.00	.03	2.
28 FEB 0730	27	.03	.03	.01	0.	*	28 FEB 1945	76	.03	.00	.02	1.
28 FEB 0745	28	.04	.03	.01	0.	*	28 FEB 2000	77	.03	.00	.02	1.
28 FEB 0800	29	.04	.03	.01	0.	*	28 FEB 2015	78	.02	.00	.02	1.
28 FEB 0815	30	.04	.03	.01	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.03	.01	1.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.03	.01	1.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.03	.02	1.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.03	.02	1.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.03	.02	1.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.03	.02	1.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.03	.03	1.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.03	.03	1.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.03	.03	1.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.03	.04	2.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.03	.04	2.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.03	.05	2.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.03	.06	2.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.03	.06	3.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.03	.07	3.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.05	.12	4.	*	1 MAR 0030	95	.02	.00	.02	1.
28 FEB 1230	47	.21	.05	.15	5.	*	1 MAR 0045	96	.02	.00	.02	1.
28 FEB 1245	48	.28	.06	.21	7.	*	1 MAR 0100	97	.02	.00	.02	1.
28 FEB 1300	49	.59	.10	.48	11.	*						
						*						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 1.62, TOTAL EXCESS = 4.98

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 32.	12.50		8.	3.	3.	3.
		(INCHES)	3.860	4.945	4.945	4.945
		(AC-FT)	4.	5.	5.	5.

CUMULATIVE AREA = .02 SQ MI

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              *            *
516 KK        *   HB2ASP   *
              *            *
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517 KO            OUTPUT CONTROL VARIABLES
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                IPRNT          1  PRINT CONTROL
                IPLOT          0  PLOT CONTROL
                QSCAL         0.  HYDROGRAPH PLOT SCALE
                        STORAGE ROUTING THROUGH WET AREA IN B.E. ROW

          HYDROGRAPH ROUTING DATA

519 RS        STORAGE ROUTING
                NSTPS          1  NUMBER OF SUBREACHES
                 ITYP       ELEV  TYPE OF INITIAL CONDITION
                RSVRIC      59.00  INITIAL CONDITION
                    X        .00 WORKING R AND D COEFFICIENT

520 SA          AREA          .8       1.2       1.9

521 SE        ELEVATION      59.30     60.00     62.00

522 SS        SPILLWAY
                 CREL      59.00  SPILLWAY CREST ELEVATION
                SPWID      10.00  SPILLWAY WIDTH
                 COQW       3.00  WEIR COEFFICIENT
                 EXPW       1.50  EXPONENT OF HEAD

                                                    ***

                                  COMPUTED STORAGE-ELEVATION DATA

        STORAGE       .00       .69      3.76
      ELEVATION     59.30     60.00     62.00

                                  COMPUTED OUTFLOW-ELEVATION DATA

        OUTFLOW       .00       .00       .03       .21       .72      1.71      3.34      5.77      9.17     13.69
      ELEVATION     59.30     59.00     59.01     59.04     59.08     59.15     59.23     59.33     59.45     59.59

        OUTFLOW     19.49     26.73     35.58     46.19     58.72     73.34     90.21    109.48    131.32    155.88
      ELEVATION     59.75     59.93     60.12     60.33     60.56     60.81     61.08     61.37     61.68     62.00

                                COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

        STORAGE       .00       .03       .13       .26       .41       .60       .69       .83      1.10      1.41
        OUTFLOW      4.93      5.77      9.17     13.69     19.49     26.73     30.00     35.58     46.19     58.72
      ELEVATION     59.30     59.33     59.45     59.59     59.75     59.93     60.00     60.12     60.33     60.56

        STORAGE      1.76      2.17      2.63      3.16      3.76
        OUTFLOW     73.34     90.21    109.48    131.32    155.88
      ELEVATION     60.81     61.08     61.37     61.68     62.00
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HYDROGRAPH AT STATION HB2ASP

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DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	*	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
28	FEB	0100	1	0.	.1	59.3	*	28	FEB	0915	34	7.	.1	59.4	*	28	FEB	1730	67	83.	2.0	61.0
28	FEB	0115	2	6.	.0	59.4	*	28	FEB	0930	35	7.	.1	59.4	*	28	FEB	1745	68	71.	1.7	60.8
28	FEB	0130	3	6.	.0	59.3	*	28	FEB	0945	36	7.	.1	59.4	*	28	FEB	1800	69	64.	1.5	60.7
28	FEB	0145	4	6.	.0	59.3	*	28	FEB	1000	37	8.	.1	59.4	*	28	FEB	1815	70	60.	1.4	60.6
	FEB	0200	5	6.	.0	59.3	*	28	FEB	1015	38	9.	.1	59.5	*	28	FEB	1830	71	58.	1.4	60.6
	FEB	0215	6	6.	.0	59.3	*	28	FEB	1030	39	12.	.2	59.5	*	28	FEB	1845	72	57.	1.4	60.5
28	FEB	0230	7	6.	.0	59.3	*	28	FEB	1045	40	14.	.3	59.6	*	28	FEB	1900	73	56.	1.3	60.5
28	FEB	0245	8	6.	.0	59.3	*	28	FEB	1100	41	17.	.3	59.7	*	28	FEB	1915	74	55.	1.3	60.5
28	FEB	0300	9	6.	.0	59.3	*	28	FEB	1115	42	20.	.4	59.8	*	28	FEB	1930	75	53.	1.3	60.5

28 FEB 0315	10	6.	.0	59.3 *	28 FEB 1130	43	24.	.5	59.9 *	28 FEB 1945	76	51.	1.2	60.4
28 FEB 0330	11	6.	.0	59.3 *	28 FEB 1145	44	29.	.7	60.0 *	28 FEB 2000	77	48.	1.2	60.4
28 FEB 0345	12	6.	.0	59.3 *	28 FEB 1200	45	34.	.8	60.1 *	28 FEB 2015	78	47.	1.1	60.3
28 FEB 0400	13	6.	.0	59.3 *	28 FEB 1215	46	41.	1.0	60.2 *	28 FEB 2030	79	46.	1.1	60
28 FEB 0415	14	6.	.0	59.3 *	28 FEB 1230	47	53.	1.3	60.5 *	28 FEB 2045	80	45.	1.1	6
28 FEB 0430	15	6.	.0	59.3 *	28 FEB 1245	48	70.	1.7	60.8 *	28 FEB 2100	81	45.	1.1	60
28 FEB 0445	16	6.	.0	59.3 *	28 FEB 1300	49	91.	2.2	61.1 *	28 FEB 2115	82	44.	1.0	60.3
28 FEB 0500	17	6.	.0	59.3 *	28 FEB 1315	50	111.	2.7	61.4 *	28 FEB 2130	83	43.	1.0	60.3
28 FEB 0515	18	6.	.0	59.3 *	28 FEB 1330	51	127.	3.0	61.6 *	28 FEB 2145	84	43.	1.0	60.3
28 FEB 0530	19	6.	.0	59.3 *	28 FEB 1345	52	134.	3.2	61.7 *	28 FEB 2200	85	42.	1.0	60.2
28 FEB 0545	20	6.	.0	59.3 *	28 FEB 1400	53	134.	3.2	61.7 *	28 FEB 2215	86	41.	1.0	60.2
28 FEB 0600	21	6.	.0	59.3 *	28 FEB 1415	54	129.	3.1	61.6 *	28 FEB 2230	87	41.	1.0	60.2
28 FEB 0615	22	6.	.0	59.3 *	28 FEB 1430	55	124.	3.0	61.6 *	28 FEB 2245	88	41.	1.0	60.2
28 FEB 0630	23	6.	.0	59.3 *	28 FEB 1445	56	121.	2.9	61.5 *	28 FEB 2300	89	40.	1.0	60.2
28 FEB 0645	24	6.	.0	59.3 *	28 FEB 1500	57	118.	2.8	61.5 *	28 FEB 2315	90	40.	.9	60.2
28 FEB 0700	25	6.	.0	59.3 *	28 FEB 1515	58	116.	2.8	61.5 *	28 FEB 2330	91	40.	.9	60.2
28 FEB 0715	26	6.	.0	59.3 *	28 FEB 1530	59	115.	2.8	61.5 *	28 FEB 2345	92	40.	.9	60.2
28 FEB 0730	27	6.	.0	59.3 *	28 FEB 1545	60	115.	2.8	61.4 *	1 MAR 0000	93	39.	.9	60.2
28 FEB 0745	28	6.	.0	59.4 *	28 FEB 1600	61	114.	2.7	61.4 *	1 MAR 0015	94	38.	.9	60.2
28 FEB 0800	29	6.	.0	59.4 *	28 FEB 1615	62	114.	2.7	61.4 *	1 MAR 0030	95	38.	.9	60.2
28 FEB 0815	30	6.	.0	59.4 *	28 FEB 1630	63	113.	2.7	61.4 *	1 MAR 0045	96	38.	.9	60.2
28 FEB 0830	31	6.	.0	59.4 *	28 FEB 1645	64	111.	2.7	61.4 *	1 MAR 0100	97	38.	.9	60.2
28 FEB 0845	32	7.	.0	59.4 *	28 FEB 1700	65	107.	2.6	61.3 *					
28 FEB 0900	33	7.	.1	59.4 *	28 FEB 1715	66	97.	2.3	61.2 *					
				*					*					

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PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 134.	12.75		104.	43.	43.	43.
		(INCHES)	1.421	2.338	2.338	2.338
		(AC-FT)	52.	85.	85.	85.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (AC-FT)	(HR)				
3.	12.75	2.	1.	1.	1.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	24.00-HR
+ (FEET)	(HR)				
61.72	12.75	61.27	60.13	60.13	60.13

CUMULATIVE AREA = .68 SQ MI

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              *            *
523 KK        *     HB2B   *
              *            *
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524 KO OUTPUT CONTROL VARIABLES

IPRNT	1	PRINT CONTROL
IPLOT	0	PLOT CONTROL
QSCAL	0.	HYDROGRAPH PLOT SCALE

SCS RUNOFF CALCULATION

SUBBASIN RUNOFF DATA

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526 BA          SUBBASIN CHARACTERISTICS
                      TAREA          .01  SUBBASIN AREA

                PRECIPITATION DATA

527 PH                                 DEPTHS FOR   0-PERCENT HYPOTHETICAL STORM
                ..... HYDRO-35 ......   ............... TP-40 ...............   ........... TP-49 ...........
                5-MIN  15-MIN  60-MIN    2-HR    3-HR    6-HR   12-HR   24-HR   2-DAY   4-DAY   7-DAY  10-DAY
                  .60    1.30    2.50    3.30    3.70    4.60    5.60    6.60     .00     .00     .00     .00

                                                  STORM AREA =     .01

528 LS          SCS LOSS RATE
                      STRTL          .60  INITIAL ABSTRACTION
                     CRVNBR        77.00  CURVE NUMBER
                      RTIMP          .00  PERCENT IMPERVIOUS AREA

529 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG          .24  LAG

                                                  ***

WARNING *** TIME INTERVAL IS GREATER THAN .29*LAG

                                                UNIT HYDROGRAPH
                                            7 END-OF-PERIOD ORDINATES
              13.       14.        4.        1.        0.        0.        0.
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HYDROGRAPH AT STATION H82B

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
28	FEB	0100	1	.00	.00	.00	0.	*	28	FEB	1315	50	1.30	.34	.96	19.
28	FEB	0115	2	.02	.02	.00	0.	*	28	FEB	1330	51	.34	.07	.27	19.
28	FEB	0130	3	.02	.02	.00	0.	*	28	FEB	1345	52	.23	.04	.19	11.
28	FEB	0145	4	.02	.02	.00	0.	*	28	FEB	1400	53	.19	.03	.16	7.
28	FEB	0200	5	.02	.02	.00	0.	*	28	FEB	1415	54	.11	.02	.09	5.
28	FEB	0215	6	.02	.02	.00	0.	*	28	FEB	1430	55	.10	.02	.08	4.
28	FEB	0230	7	.02	.02	.00	0.	*	28	FEB	1445	56	.09	.01	.08	3.
28	FEB	0245	8	.02	.02	.00	0.	*	28	FEB	1500	57	.09	.01	.07	3.
28	FEB	0300	9	.02	.02	.00	0.	*	28	FEB	1515	58	.08	.01	.07	2.
28	FEB	0315	10	.02	.02	.00	0.	*	28	FEB	1530	59	.07	.01	.06	2.
28	FEB	0330	11	.02	.02	.00	0.	*	28	FEB	1545	60	.07	.01	.06	2.
28	FEB	0345	12	.02	.02	.00	0.	*	28	FEB	1600	61	.06	.01	.05	2.
28	FEB	0400	13	.02	.02	.00	0.	*	28	FEB	1615	62	.05	.01	.05	2.
28	FEB	0415	14	.02	.02	.00	0.	*	28	FEB	1630	63	.05	.01	.04	2.
28	FEB	0430	15	.02	.02	.00	0.	*	28	FEB	1645	64	.05	.01	.04	1.
28	FEB	0445	16	.02	.02	.00	0.	*	28	FEB	1700	65	.05	.01	.04	1.
28	FEB	0500	17	.02	.02	.00	0.	*	28	FEB	1715	66	.04	.01	.04	1.
28	FEB	0515	18	.02	.02	.00	0.	*	28	FEB	1730	67	.04	.01	.04	1.
28	FEB	0530	19	.02	.02	.00	0.	*	28	FEB	1745	68	.04	.01	.04	1.
28	FEB	0545	20	.02	.02	.00	0.	*	28	FEB	1800	69	.04	.00	.03	1.
28	FEB	0600	21	.02	.02	.00	0.	*	28	FEB	1815	70	.04	.00	.03	1.
28	FEB	0615	22	.02	.02	.00	0.	*	28	FEB	1830	71	.04	.00	.03	1.
28	FEB	0630	23	.03	.03	.00	0.	*	28	FEB	1845	72	.03	.00	.03	1.
28	FEB	0645	24	.03	.03	.00	0.	*	28	FEB	1900	73	.03	.00	.03	1.
28	FEB	0700	25	.03	.03	.00	0.	*	28	FEB	1915	74	.03	.00	.02	1.
28	FEB	0715	26	.03	.03	.00	0.	*	28	FEB	1930	75	.03	.00	.02	1.
28	FEB	0730	27	.03	.03	.00	0.	*	28	FEB	1945	76	.03	.00	.02	1.
28	FEB	0745	28	.04	.04	.00	0.	*	28	FEB	2000	77	.03	.00	.02	1.
28	FEB	0800	29	.04	.04	.00	0.	*	28	FEB	2015	78	.02	.00	.02	1.

28 FEB 0815	30	.04	.04	.00	0.	*	28 FEB 2030	79	.02	.00	.02	1.
28 FEB 0830	31	.04	.04	.00	0.	*	28 FEB 2045	80	.02	.00	.02	1.
28 FEB 0845	32	.04	.04	.00	0.	*	28 FEB 2100	81	.02	.00	.02	1.
28 FEB 0900	33	.04	.04	.00	0.	*	28 FEB 2115	82	.02	.00	.02	1.
28 FEB 0915	34	.04	.04	.01	0.	*	28 FEB 2130	83	.02	.00	.02	1.
28 FEB 0930	35	.05	.04	.01	0.	*	28 FEB 2145	84	.02	.00	.02	1.
28 FEB 0945	36	.05	.04	.01	0.	*	28 FEB 2200	85	.02	.00	.02	1.
28 FEB 1000	37	.05	.04	.01	0.	*	28 FEB 2215	86	.02	.00	.02	1.
28 FEB 1015	38	.06	.05	.01	0.	*	28 FEB 2230	87	.02	.00	.02	1.
28 FEB 1030	39	.06	.05	.02	0.	*	28 FEB 2245	88	.02	.00	.02	1.
28 FEB 1045	40	.07	.05	.02	1.	*	28 FEB 2300	89	.02	.00	.02	1.
28 FEB 1100	41	.07	.05	.02	1.	*	28 FEB 2315	90	.02	.00	.02	1.
28 FEB 1115	42	.08	.05	.03	1.	*	28 FEB 2330	91	.02	.00	.02	1.
28 FEB 1130	43	.09	.06	.03	1.	*	28 FEB 2345	92	.02	.00	.02	1.
28 FEB 1145	44	.09	.05	.04	1.	*	1 MAR 0000	93	.02	.00	.02	1.
28 FEB 1200	45	.10	.06	.04	1.	*	1 MAR 0015	94	.02	.00	.02	1.
28 FEB 1215	46	.17	.09	.08	2.	*	1 MAR 0030	95	.02	.00	.02	1.
28 FEB 1230	47	.21	.10	.11	3.	*	1 MAR 0045	96	.02	.00	.01	1.
28 FEB 1245	48	.27	.12	.16	4.	*	1 MAR 0100	97	.02	.00	.01	0.
28 FEB 1300	49	.59	.21	.37	8.	*						
						*						

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TOTAL RAINFALL = 6.60, TOTAL LOSS = 2.59, TOTAL EXCESS = 4.01

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.00-HR
+ (CFS)	(HR)					
		(CFS)				
+ 19.	12.25		4.	1.	1.	1.
		(INCHES)	3.184	3.987	3.987	3.987
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = .01 SQ MI

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RUNOFF SUMMARY
FLOW IN CUBIC FEET PER SECOND
TIME IN HOURS, AREA IN SQUARE MILES

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	5E	84.	12.50	21.	7.	7.	.07		
+	HYDROGRAPH AT	6CSWP	184.	14.00	177.	65.	65.	.93		
+	HYDROGRAPH AT	NB1	19.	12.50	5.	2.	2.	.01		
+	3 COMBINED AT	6CNB1	263.	12.50	201.	73.	73.	1.01		
+	ROUTED TO	NB1CHL	265.	12.75	201.	73.	73.	1.01		
+									73.20	12.75
+	HYDROGRAPH AT	NB2	9.	12.75	3.	1.	1.	.01		
+	2 COMBINED AT	NB1NB2	273.	12.75	203.	74.	74.	1.02		

	ROUTED TO								
+		NB2CHL	276.	12.75	203.	74.	74.	1.02	
+								72.25	12.75
	HYDROGRAPH AT								
		NB3	5.	12.50	1.	0.	0.	.00	
	ROUTED TO								
+		NB3CHL	5.	12.50	1.	0.	0.	.00	
+								66.55	12.50
	HYDROGRAPH AT								
+		NB5	26.	12.50	6.	2.	2.	.02	
	ROUTED TO								
+		NB5SWP	3.	14.75	2.	1.	1.	.02	
+								68.20	14.75
	HYDROGRAPH AT								
+		NB4	46.	12.50	13.	4.	4.	.04	
	4 COMBINED AT								
+		NB2345	323.	12.75	218.	79.	79.	1.08	
	ROUTED TO								
+		NB4CHL	182.	17.75	172.	72.	72.	1.08	
+								100.51	17.75
	HYDROGRAPH AT								
+		HP3A	43.	12.75	13.	4.	4.	.04	
	HYDROGRAPH AT								
+		5DSWP	54.	14.25	52.	25.	25.	.26	
	2 COMBINED AT								
+		HP3A45	83.	12.75	62.	29.	29.	.30	
	ROUTED TO								
+		HP3ASP	12.	24.00	11.	5.	5.	.30	
+								74.45	24.00
	HYDROGRAPH AT								
+		HP3B	22.	12.25	4.	1.	1.	.01	
	2 COMBINED AT								
+		HP3AB4	27.	12.25	13.	6.	6.	.31	
	ROUTED TO								
+		HP3BCH	25.	12.50	12.	6.	6.	.31	
+								68.81	12.50
	HYDROGRAPH AT								
+		SB5	26.	12.50	6.	2.	2.	.01	
	ROUTED TO								
+		SB5SWP	6.	13.50	5.	2.	2.	.01	
+								63.30	13.50
	HYDROGRAPH AT								
+		CW1	22.	12.25	4.	1.	1.	.01	
	4 COMBINED AT								
		HP3NB4	198.	17.75	188.	81.	81.	1.42	
	ROUTED TO								
+		CW1CHL	197.	17.75	188.	81.	81.	1.42	

+								71.20	17.75
HYDROGRAPH AT									
+	CW2	65.	12.25	12.	4.	4.	.03		
2 COMBINED AT									
+	CW2IN	200.	17.75	191.	85.	85.	1.44		
ROUTED TO									
+	CW2CH	200.	17.75	191.	85.	85.	1.44		
+								68.34	17.75
HYDROGRAPH AT									
+	SB3&4	43.	12.25	7.	2.	2.	.02		
ROUTED TO									
+	SB34PD	25.	12.50	6.	2.	2.	.02		
+								66.39	12.50
2 COMBINED AT									
+	C2SB34	201.	17.75	193.	87.	87.	1.46		
ROUTED TO									
+	SB34CH	201.	17.75	193.	86.	86.	1.46		
+								71.05	17.75
ROUTED TO									
+	HB4BCL	201.	18.00	193.	86.	86.	1.46		
+								69.78	18.00
HYDROGRAPH AT									
+	SB7	18.	12.50	4.	1.	1.	.01		
HYDROGRAPH AT									
+	SB6	6.	12.25	1.	0.	0.	.00		
2 COMBINED AT									
+	SB67	23.	12.50	6.	2.	2.	.02		
ROUTED TO									
+	SB7CH	25.	12.50	6.	2.	2.	.02		
+								68.58	12.50
HYDROGRAPH AT									
+	SB1	77.	12.25	14.	4.	4.	.03		
HYDROGRAPH AT									
+	SB2	31.	12.25	5.	2.	2.	.01		
4 COMBINED AT									
+	SB1267	238.	12.25	198.	94.	94.	1.52		
HYDROGRAPH AT									
+	8CSWP	572.	13.00	360.	135.	135.	1.43		
2 COMBINED AT									
+	CW2&PP	767.	13.00	556.	229.	229.	2.95		
ROUTED TO									
+	PHPND	471.	17.75	449.	194.	194.	2.95		
+								70.05	17.75
HYDROGRAPH AT									
+	HP4	18.	12.50	4.	1.	1.	.01		
ROUTED TO									

+	HP4SWP	12.	12.75	4.	1.	1.	.01		
+								70.21	12.75
HYDROGRAPH AT									
+	HP5	30.	12.25	6.	2.	2.	.01		
2 COMBINED AT									
+	HP45	35.	12.25	10.	3.	3.	.03		
ROUTED TO									
+	HP5SWP	32.	12.50	10.	3.	3.	.03		
+								70.46	12.50
HYDROGRAPH AT									
+	HB3A	34.	12.50	8.	3.	3.	.02		
HYDROGRAPH AT									
+	HB3B	26.	12.25	4.	1.	1.	.01		
2 COMBINED AT									
+	HB3AB	59.	12.25	12.	4.	4.	.03		
ROUTED TO									
+	HB3BS	40.	12.50	12.	4.	4.	.03		
+								70.15	12.50
HYDROGRAPH AT									
+	HB3C	14.	12.50	3.	1.	1.	.01		
2 COMBINED AT									
+	HB3ABC	54.	12.50	16.	5.	5.	.04		
ROUTED TO									
	CRMLGN	42.	13.00	13.	4.	4.	.04		
+								63.69	13.00
HYDROGRAPH AT									
+	HB4A	38.	12.50	9.	3.	3.	.02		
3 COMBINED AT									
+	SHD10	95.	12.50	32.	10.	10.	.09		
ROUTED TO									
+	SHD10C	95.	12.75	32.	10.	10.	.09		
+								55.54	12.75
HYDROGRAPH AT									
+	HB4B	127.	12.50	31.	10.	10.	.07		
HYDROGRAPH AT									
+	4DCHAB	116.	12.50	39.	17.	17.	.26		
HYDROGRAPH AT									
+	HB1AN	13.	12.50	3.	1.	1.	.01		
2 COMBINED AT									
+	HBN	129.	12.50	42.	18.	18.	.27		
ROUTED TO									
+	PXDPR	90.	12.75	41.	18.	18.	.27		
+								72.87	12.75
HYDROGRAPH AT									
+	4ECHL	75.	12.00	64.	22.	22.	.30		
HYDROGRAPH AT									

+	HB1B	35.	12.50	8.	3.	3.	.02		
2 COMBINED AT									
+	4EHB1B	110.	12.50	72.	25.	25.	.32		
ROUTED TO									
+	EWCLPX	110.	12.50	72.	25.	25.	.32		
+								67.29	12.50
HYDROGRAPH AT									
+	HB1AS	9.	12.50	3.	1.	1.	.01		
3 COMBINED AT									
+	HB1PX	199.	12.75	115.	43.	43.	.59		
ROUTED TO									
+	HB1CH	189.	13.00	115.	46.	46.	.59		
+								84.59	13.00
HYDROGRAPH AT									
+	DIHBCH	110.	12.25	96.	41.	41.	.66		
HYDROGRAPH AT									
+	HB2A	32.	12.50	8.	3.	3.	.02		
2 COMBINED AT									
+	HB12A	142.	12.50	104.	43.	43.	.68		
ROUTED TO									
+	HB2ASP	134.	12.75	104.	43.	43.	.68		
+								61.72	12.75
HYDROGRAPH AT									
+	HB2B	19.	12.25	4.	1.	1.	.01		

*** NORMAL END OF HEC-1 ***