WITTMANN ADMS

APPENDIX C

VOLUME III OF III

SPF AND PMF

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2801 W. Durango
Phoenix, AZ 85009

HEC-1

HYDROLOGY MODELS

FCD 86-24

The WLB Group Inc. for Flood Control District of Maricopa County

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****************************************
*                                      *
*  FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*            FEBRUARY 1981             *
*          REVISED 14 JUN 85           *
*                                      *
*      RUN DATE: 07/08/1988            *
*          TIME: 10:34:43.68           *
*                                      *
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****************************************
*                                      *
*   U.S. ARMY CORPS OF ENGINEERS       *
* THE HYDROLOGIC ENGINEERING CENTER    *
*         609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616        *
*                                      *
* (916) 551-1748 OR (FTS) 448-3285     *
*                                      *
****************************************
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WTMSPF

```
X     X  XXXXXXX   XXXXX          X
X     X  X       X     X        XX
X     X  X       X              X
XXXXXXX  XXXX    X       XXXXX  X
X     X  X       X              X
X     X  X       X     X        X
X     X  XXXXXXX   XXXXX        XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE. THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THE VERSION RELEASED 31JAN85 CONTAINS NEW OPTIONS ON RL AND BA RECORDS, AND ADDS THE HL RECORD. SEE JANUARY 1985 INPUT DESCRIPTION FOR NEW DEFINITIONS.

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::::::::::::::::::::::::::::::::::::::::::::
::::::::::::::::::::::::::::::::::::::::::::
:::            900 ORDINATES             :::
:::            Version  3.1a             :::
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::::::::::::::::::::::::::::::::::::::::::::
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==========
HAESTAD METHODS
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37 Brookside Road * Waterbury, Connecticut 06708 * (203) 755-1666

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

  1           ID        WTMNSPF
  2           ID
  3           ID
  4           ID       THIS IS THE HEC-1 COMPUTER MODEL FOR THE WITTMANN AREA DRAINAGE MASTER
  5           ID       STUDY.  THIS STUDY IS PREPARED FOR THE FLOOD CONTROL DISTRICT OF
  6           ID       MARICOPA COUNTY BY THE WLB GROUP, INC.
  7           ID
  8           ID
  9           ID       THIS PARTICULAR RUN WILL MODEL THE STANDARD PROJECT STORM WITH A
 10           ID       CORRESPONDING AREALLY DISTRIBUTED POINT RAINFALL OF 8.6".  THIS
 11           ID       IS BASED ON THE AREA THAT GETS TO THE MCMICKEN DAM WHICH IS 247
 12           ID       SQ. MILES.
 13           ID
 14           ID
 15           ID
              *DIAGRAM
 16           IT      5 26JAN87    1200     900
 17           IN     60 26JAN87    1200
 18           JR              1   .8605
 19           IO      5

 20           KK      1
 21           KM       RUNOFF FROM SUBWATERSHED 1.
 22           KM       UNIT HYDROGRAPHS HAVE BEEN COMPUTED FOR EACH MOUNTAINOUS AREA USING THE
 23           KM       CORPS OF ENGINEERS S-GRAPH COMPUTATIONS FOR UNIT HYDROGRAPHS.  THE
 24           KM       S-GRAPH PROGRAM HAS BEEN DEVELOPED FOR THE PHOENIX MOUNTAIN AND PHOENIX
 25           KM       VALLEY AREAS.  THIS SHOULD GIVE A MORE RELIABLE UNIT HYDROGRAPH FOR THE
 26           KM       HEC-1 PROGRAM TO UTILIZE WITHIN THE WITTMANN ADMS AREA.
 27           BA    .088
 28           PB      0
 29           PI   .0000     .01     .01     .01     .01     .01     .01     .08       0     .02
 30           PI     .01     .02       0       0     .02     .04       0     .02     .05     .10
 31           PI     .06     .05     .37     .39     .52     .72     .71     .54     .45     .53
 32           PI     .07     .02       0     .02     .14     .16     .11     .09     .09     .14
 33           PI     .09     .20     .10     .07     .16     .08       0       0     .16     .14
 34           PI       0       0     .06     .41     .39     .03     .02     .14     .19     .10
 35           PI     .09       0     .37       0     .03     .02       0     .15       0       0
 36           LS       0      81       0
 37           UK     200   .0160     .11     100
 38           RK    2900   .0132     .05            TRAP       0      15

 39           KK    C62L
 40           KM       ROUTE FLOW FROM C1 TO C62L.
 41           RM      1     .54      .2

 42           KK     62L
 43           KM       RUNOFF FROM SUBWATERSHED 62L.
 44           BA     .36
 45           LS       0      79       0
 46           UK     200   .0150     .12     100
 47           RK    1600   .0100     .05     .07              0      15
 48           RK    5500   .0100     .05                     15      15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 49           KK    C62L
 50           KM        ADD HYDROGRAPHS AT C62L.
 51           HC       2

 52           KK    C62I
 53           KM        ROUTE FLOW FROM C62L TO C62I.
 54           RM       1     .69      .2

 55           KK     62I
 56           KM        RUNOFF FROM SUBWATERSHED 62I.
 57           BA     .54
 58           LS       0      80       0
 59           UK     250   .0150     .12     100
 60           RK    3000   .0076     .05     .09              0      15
 61           RK    7500   .0076     .05                      0      25

 62           KK    C62I
 63           KM        ADD HYDROGRAPHS AT C62I.
 64           HC       2

 65           KK    C62H
 66           KM        ROUTE FLOW FROM C62I TO C62H.
 67           RM       1     .56      .2

 68           KK     62H
 69           KM        RUNOFF FROM SUBWATERSHED 62H.
 70           BA     .55
 71           LS       0      81       0
 72           UK     250   .0150     .12     100
 73           RK    1500   .0082     .05     .11              0      25
 74           RK    8500   .0082     .05                      0      25

 75           KK     62J
 76           KM        RUNOFF FROM SUBWATERSHED 62J.
 77           BA     .88
 78           LS       0      77       0
 79           UK     250   .0150     .12     100
 80           RK    2600   .0089     .05     .22              0      15
 81           RK   12875   .0089     .05                      0      25

 82           KK    C62H
 83           KM        ADD HYDROGRAPHS AT C62H.
 84           HC       3

 85           KK    C62K
 86           KM        ROUTE FLOW FROM C62H TO C62K
 87           RM       1     .13      .2

 88           KK       2
 89           KM        RUNOFF FROM SUBWATERSHED 2.
 90           BA     .50
 91           LS              78
 92           UK     150   .0160     .11     100
 93           RK   10725   .0146     .05                      0      35
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 94           KK    C62M
 95           KM       ROUTE FLOW FROM C2 TO C62M
 96           RM      1    .33     .2

 97           KK     62M
 98           KM       RUNOFF FROM SUBWATERSHED 62M
 99           BA    .24
100           LS      0     71      0
101           UK    200  .0150    .12    100
102           RK    800  .0090    .05    .08             0     15
103           RK   5000  .0090    .05                   10     15

104           KK    C62M
105           KM       ADD HYDROGRAPHS AT C62M
106           HC      2

107           KK    C62K
108           KM       ROUTE FLOW FROM C62M TO C62K
109           RM      1   1.01     .2

110           KK      3
111           KM       RUNOFF FROM SUBWATERSHED 3.
112           BA    .35
113           LS            81
114           UK    100  .0160    .11    100
115           RK   9250  .0132    .05          TRAP      0     25

116           KK    C62K
117           KM       ROUTE FLOW FROM C3 TO C62K.
118           RM      1   1.50     .2

119           KK      4
120           KM       RUNOFF FROM SUBWATERSHED 4.
121           BA    .65
122           LS            80
123           UK    100  .0160    .11    100
124           RK   2800  .0103    .05   .325             0     50
125           RK  13000  .0103    .05                    0     30

126           KK    C62K
127           KM       ROUTE FLOW FROM C4 TO C62K.
128           RM      1   2.06     .2

129           KK      5
130           KM       RUNOFF FROM SUBWATERSHED 5.
131           BA    .35
132           LS            78
133           UK    100  .0160    .10    100
134           RK   7625  .0126    .05                   25      8
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 135          KK    C62K
 136          KM       ROUTE FLOW FROM C5 TO C62K.
 137          RM      1    1.45      .2

 138          KK    C62K
 139          KM       ADD HYDROGRAPHS AT C62K.
 140          HC      5

 141          KK      6
 142          KM       RUNOFF FROM SUBWATERSHED 6.
 143          BA    .03
 144          LS            81
 145          UK    100   .0160     .10     100
 146          RK   1400   .0107     .05                     0      20

 147          KK    C62K
 148          KM       ROUTE FLOW FROM C6 TO C62K.
 149          RM      1    2.29      .2

 150          KK      7
 151          KM       RUNOFF FROM SUBWATERSHED 7.
 152          BA    .04
 153          LS            81
 154          UK    150   .0160     .10     100
 155          RK   3125   .0138     .05                     0      25

 156          KK    C62K
 157          KM       ROUTE FLOW FROM C7 TO C62K.
 158          RM      1    1.72      .2

 159          KK    62K
 160          KM       RUNOFF FROM SUBWATERSHED 62K
 161          BA   1.40
 162          LS      0      76     .11
 163          UK    400   .0150     .07     100
 164          RK   3600   .0093     .05     .23             0      25
 165          RK  17125   .0093     .05                    20      25

 166          KK    C62K
 167          KM       ADD HYDROGRAPHS AT C62K
 168          HC      4

 169          KK    C62G
 170          KM       ROUTE FLOW FROM C62K TO C62G
 171          RM      1     .45      .2

 172          KK      8
 173          KM       RUNOFF FROM SUBWATERSHED 8
 174          BA    .01
 175          LS      0      81       0
 176          UK    100   .0160     .10     100
 177          RK   1000   .0100     .05                     0      30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 178          KK    C62G
 179          KM        ROUTE FLOW FROM C8 TO C62G
 180          RM      1    3.78      .2

 181          KK      9
 182          KM        RUNOFF FROM SUBWATERSHED 9
 183          BA    .08
 184          LS      0      81       0
 185          UK    150   .0160     .10     100
 186          RK   4750   .0114     .05                       0      25

 187          KK    C62G
 188          KM        ROUTE FLOW FROM C9 TO C62G
 189          RM      1    3.11      .2

 190          KK    62G
 191          KM        RUNOFF FROM SUBWATERSHED 62G
 192          BA   1.86
 193          LS      0      78       0
 194          UK    300   .0150     .12     100
 195          RK   3500   .0105     .05     .27               0      25
 196          RK  18250   .0105     .05                      10      25

 197          KK    C62G
 198          KM        ADD HYDROGRAPHS AT C62G
 199          HC      4

 200          KK    C62E
 201          KM        ROUTE FLOW FROM C62G TO C62E
 202          RM      1     .33      .2

 203          KK    62E
 204          KM        RUNOFF FROM SUBWATERSHED 62E
 205          BA    .68
 206          LS      0      78       0
 207          UK    400    .015     .13     100
 208          RK   3000   .0101     .05     .23   TRAP            20
 209          RK  13625   .0101     .05           TRAP      10    15

 210          KK    C62E
 211          KM        ADD HYDROGRAPHS AT C62E
 212          HC      2

 213          KK    10A
 214          KM        RUNOFF FROM SUBWATERSHED 10A.
 215          BA   4.94
 216          LS      0      83       0
 217          UI      0     160     400     819    1346    1859    1920    2040    1795    1415
 218          UI   1167     991     837     663     560     464     434     408     334     259
 219          UI    246     157     125     120     106      68      66      63      61      59
 220          UI     46      30      29      29      28      24       0       0       0       0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 221          KK    C10
 222          KM       ROUTE FLOW FROM C10A TO C10.
 223          RM      1    1.36      .2

 224          KK     10
 225          KM       RUNOFF FROM SUBWATERSHED 10.
 226          BA   3.93
 227          LS            79
 228          UK    300   .025     .19     100
 229          RK   5500  .0123     .05     .26    TRAP            12
 230          RK  31875  .0123     .05            TRAP     40     12

 231          KK    C10
 232          KM       ADD HYDROGRAPHS AT C10.
 233          HC      2

 234          KK   C62E
 235          KM       ROUTE FLOW FROM C10 TO C62E.
 236          RM      1    1.28      .2

 237          KK     11
 238          KM       RUNOFF FROM SUBWATERSHED 11
 239          BA    .20
 240          LS      0      81       0
 241          UK    200  .0190     .10     100
 242          RK   1300  .0155     .05     .10    TRAP            15
 243          RK   7750  .0155     .05            TRAP     15     10

 244          KK     12
 245          KM       RUNOFF FROM SUBWATERSHED 12
 246          BA   .002
 247          LS      0      81       0
 248          UK    100  .0118     .10     100
 249          RK    850  .0118     .05    .002    TRAP            20

 250          KK    C11
 251          KM       ADD HYDROGRAPHS AT C11.
 252          HC      2

 253          KK   C62E
 254          KM       ROUTE FLOW FROM C11 TO C62E
 255          RM      1    2.88      .2

 256          KK     13
 257          KM       RUNOFF FROM SUBWATERSHED 13
 258          BA    .10
 259          LS      0      81       0
 260          UK    150  .0250     .11     100
 261          RK   2200  .0162     .05     .05    TRAP      0     30
 262          RK   5250  .0162     .05            TRAP     15     10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 263          KK    C62E
 264          KM       ROUTE FLOW FROM C13 TO C62E
 265          RM      1    2.70      .2

 266          KK    C62E
 267          KM       ADD HYDROGRAPHS AT C62E.
 268          HC      4

 269          KK     14
 270          KM       RUNOFF FROM SUBWATERSHED 14
 271          BA    .01
 272          LS      0      81       0
 273          UK    100   .0106     .10     100
 274          RK    850   .0106     .05     .01    TRAP            30

 275          KK    C62E
 276          KM       ROUTE FLOW FROM C14 TO C62E
 277          RM      1    3.93      .2

 278          KK     15
 279          KM       RUNOFF FROM SUBWATERSHED 15
 280          BA    .57
 281          LS      0      81       0
 282          UK    200   .0200     .10     100
 283          RK   3500   .0159     .05     .11    TRAP            25
 284          RK  13875   .0159     .05            TRAP     25      5

 285          KK    C62E
 286          KM       ROUTE FLOW FROM C15 TO C62E
 287          RM      1    2.00      .2

 288          KK     16
 289          KM       RUNOFF FROM SUBWATERSHED 16
 290          BA    .62
 291          LS      0      81       0
 292          UK    200    .025     .10     100
 293          RK   2600   .0166     .05     .09    TRAP            20
 294          RK  13500   .0166     .05            TRAP     25     10

 295          KK    C62E
 296          KM       ROUTE FLOW FROM C16 TO C62E
 297          RM      1    2.29      .2

 298          KK     17
 299          KM       RUNOFF FROM SUBWATERSHED 17
 300          BA    .05
 301          LS      0      81       0
 302          UK    200   .0250     .10     100
 303          RK   2500   .0180     .05     .05    TRAP            20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 304          KK    C62E
 305          KM       ROUTE FLOW FROM C17 TO C62E
 306          RM      1    2.34      .2

 307          KK    C62E
 308          KM       ADD HYDROGRAPHS AT C62E.
 309          HC      5

 310          KK     18
 311          KM       RUNOFF FROM SUBWATERSHED 18
 312          BA    .04
 313          LS      0      81       0
 314          UK    200   .0250     .10     100
 315          RK   2100   .0143     .05     .04    TRAP             15

 316          KK    C62E
 317          KM       ROUTE FLOW FROM C18 TO C62E
 318          RM      1    2.71      .2

 319          KK      1
 320          KM       RUNOFF FROM SUBWATERSHED 19.
 321          BA    .14
 322          LS      0      81       0
 323          UK    200   .0250     .10     100
 324          RK   2500   .0144     .05     .07    TRAP             15
 325          RK   7625   .0144     .05            TRAP             15

 326          KK    C62E
 327          KM       ROUTE FLOW FROM C19 TO C62E
 328          RM      1    2.31      .2

 329          KK     20
 330          KM       RUNOFF FROM SUBWATERSHED 20
 331          BA    .70
 332          LS      0      80       0
 333          UK    200   .0200     .10     100
 334          RK   3500   .0159     .05     .10    TRAP             15
 335          RK  16375   .0159     .05            TRAP     30      10

 336          KK    C62E
 337          KM       ROUTE FLOW FROM C20 TO C62E
 338          RM      1    1.81      .2

 339          KK     21
 340          KM       RUNOFF FROM SUBWATERSHED 21
 341          BA    .02
 342          LS      0      72       0
 343          UK    100   .0142     .11     100
 344          RK   1550   .0142     .05     .02    TRAP             30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 345          KK    C62E
 346          KM        ROUTE FLOW FROM C21 TO C62E
 347          RM      1    3.36      .2

 348          KK    C62E
 349          KM        ADD HYDROGRAPHS AT C62E.
 350          HC      5

 351          KK     62F
 352          KM        RUNOFF FROM SUBWATERSHED 62F.
 353          BA    2.18
 354          LS             77
 355          UK    400    .015     .12     100
 356          RK   5500   .0095     .05    .545    TRAP            15
 357          RK  22000   .0095     .05            TRAP     50     15

 358          KK    C62E
 359          KM        ADD HYDROGRAPHS AT C62E.
 360          HC      2

 361          KK    C62D
 362          KM        ROUTE FLOW FROM C62E TO C62D
 363          RM      1     .12      .2

 364          KK     62D
 365          KM        RUNOFF FROM SUBWATERSHED 62D
 366          BA    1.66
 367          LS      0      81       0
 368          UK    350   .0110     .13     100
 369          RK   2600    .007     .05     .33    TRAP            20
 370          RK  19750    .007     .05            TRAP     20     15

 371          KK    C62D
 372          KM        ADD HYDROGRAPHS AT C62D
 373          HC      2

 374          KK    C62B
 375          KM        ROUTE FLOW FROM C62D TO C62B
 376          RM      1     .29      .2

 377          KK     62B
 378          KM        RUNOFF FROM SUBWATERSHED 62B
 379          BA    0.49
 380          LS      0      74       0
 381          UK    200    .011     .12     100
 382          RK   1500   .0072     .05    .245    TRAP            25
 383          RK   9750   .0072     .05            TRAP     35     30

 384          KK     62C
 385          KM        RUNOFF FROM SUBWATERSHED 62C
 386          BA    0.40
 387          LS      0      81       0
 388          UK    200    .012     .12     100
 389          RK   1200   .0076     .05     .20    TRAP            20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 390          RK    9250   .0076     .05           TRAP      20      15

 391          KK    C62B
 392          KM        ADD HYDROGRAPHS AT C62B
 393          HC       3

 394          KK     C62
 395          KM        ROUTE FLOW FROM C62B TO C62
 396          RM       1    1.30      .2

 397          KK     62A
 398          KM        RUNOFF FROM SUBWATERSHED 62A
 399          BA    1.58
 400          LS       0      81       0
 401          UK     300    .011     .11     100
 402          RK    2000   .0069     .05    .395   TRAP             30
 403          RK   18000   .0069     .05           TRAP      35      25

 404          KK     C62
 405          KM        ROUTE FLOW FROM C62A TO C62
 406          RM       1    2.15      .2

 407          KK      62
 408          KM        RUNOFF FROM SUBWATERSHED 62
 409          BA    5.09
 410          LS       0      76       0
 411          UK     600   .0065     .11     100
 412          RK    4200   .0045     .05     .73   TRAP             45
 413          RK   22000   .0045     .05           TRAP      35      40

 414          KK     C62
 415          KM        ADD HYDROGRAPHS AT C62
 416          HC       3

 417          KK     C62
 418          KM        STORAGE ROUTE THROUGH C62.  47.3' WIDE OVERCHUTE ON CAP WEST OF GRAND.
 419          RS       1    STOR       0       0
 420          SV       0   16.23  133.39  466.23  584.29  733.69
 421          SQ       0       0     662    2460    8081   34672
 422          SE    1542  1545.2    1548    1552    1553    1554

 423          KK    C83T
 424          KM        ROUTE FLOW AT C62 TO C83T.
 425          RM       1    1.25      .2

 426          KK     83T
 427          KM        RUNOFF FROM SUBWATERSHED 83T
 428          BA    1.29
 429          LS       0      75       0
 430          UK     300    .008     .12     100
 431          RK    2700   .0053     .06     .22   TRAP       0      35
 432          RK   21000   .0053     .05           TRAP      20      30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 433          KK    C83T
 434          KM       ADD HYDROGRAPHS AT C83T.
 435          HC      2

 436          KK     22
 437          KM       RUNOFF FROM SUBWATERSHED 22.
 438          BA    .26
 439          LS            72
 440          UK    400   .020    .10    100
 441          RK   7200  .0132    .05    .26   TRAP            15

 442          KK    C63B
 443          KM       ROUTE FLOW FROM C22 TO C63B.
 444          RM      1   1.64     .2

 445          KK     23
 446          KM       RUNOFF FROM  SUBWATERSHED 23.
 447          BA   .006
 448          LS            72
 449          UK    100  .0143    .10    100
 450          RK    700  .0143    .05   .006   TRAP      0     30

 451          KK    C63B
 452          KM       ROUTE FLOW FROM C23 TO C63B.
 453          RM      1   1.21     .2

 454          KK     24
 455          KM       RUNOFF FROM SUBWATERSHED 24.
 456          BA   .006
 457          LS            72
 458          UK     50  .0118    .10    100
 459          RK    850  .0118    .05   .004   TRAP            30

 460          KK    C63B
 461          KM       ROUTE FLOW FROM C24 TO C63B.
 462          RM      1   1.65     .2

 463          KK     25
 464          KM       RUNOFF FROM SUBWATERSHED 25.
 465          BA    .05
 466          LS            72
 467          UK    150  .0200    .10    100
 468          RK   2450  .0143    .05    .05   TRAP            40

 469          KK    C63B
 470          KM       ROUTE FLOW FROM C25 TO C63B.
 471          RM      1   1.97     .2

 472          KK    C63B
 473          KM       ADD HYDROGRAPHS AT C63B.
 474          HC      4
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 475          KK    26B
 476          KM       RUNOFF FROM SUBWATERSHED 26B.
 477          BA   12.72
 478          LS            86
 479          UI      0    338    778   1523   2576   3691   4131   4635   4635   4085
 480          UI   3258   2817   2330   2215   1580   1471   1204   1050    990    937
 481          UI    858    602    574    536    295    283    272    259    157    151
 482          UI    146    141    137    163     71     69     67     65     64     62
 483          UI     33      0      0      0      0      0      0      0      0      0

 484          KK   C26A
 485          KM       ROUTE FLOW FROM C26B TO C26A.
 486          RM      1    .46     .2

 487          KK    26A
 488          KM       RUNOFF FROM SUBWATERSHED 26A.
 489          BA   2.26
 490          LS            79
 491          UI      0    110    333    715   1044   1207   1152    847    664    559
 492          UI    399    325    268    246    200    151    121     75     70     52
 493          UI     39     37     36     32     18     17     17     16      0      0

 494          KK   C26A
 495          KM       ADD HYDROGRAPHS AT C26A.
 496          HC      2

 497          KK    C26
 498          KM       ROUTE FLOW FROM C26A TO C26.
 499          RM      1    .67     .2

 500          KK     26
 501          KM       RUNOFF FROM SUBWATERSHED 26.
 502          BA   1.12
 503          LS            74
 504          UK    200  .0180    .10    100
 505          RK   5500  .0135    .05    .22   TRAP            20
 506          RK  19100  .0135    .05          TRAP     60     15

 507          KK    C26
 508          KM       ADD HYDROGRAPHS AT C26.
 509          HC      2

 510          KK   C63B
 511          KM       ROUTE FLOW FROM C26 TO C63B.
 512          RM      1    .53     .2

 513          KK     27
 514          KM       RUNOFF FROM SUBWATERSHED 27.
 515          BA    .06
 516          LS            72
 517          UK    200   .020    .10    100
 518          RK   2700  .0130    .05    .06   TRAP            30
```

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

 519          KK    C63B
 520          KM       ROUTE FLOW FROM C27 TO C63B.
 521          RM      1    1.70      .2

 522          KK     63B
 523          KM       RUNOFF FROM SUBWATERSHED 63B.
 524          BA    1.44
 525          LS             81
 526          UK     250    .015     .12     100
 527          RK    2100   .0111     .05     .20    TRAP             15
 528          RK   14500   .0111     .05            TRAP      25     20

 529          KK    C63B
 530          KM       ADD HYDROGRAPHS AT C63B.
 531          HC      4

 532          KK    C63C
 533          KM       ROUTE FLOW FROM C63B TO C63C.
 534          RM      1     .32      .2

 535          KK      28
 536          KM       RUNOFF FROM SUBWATERSHED 28.
 537          BA     .24
 538          LS             75
 539          UK     200    .020     .10     100
 540          RK    2000   .0147     .05     .08    TRAP             25
 541          RK    7500   .0147     .05            TRAP      10      8

 542          KK    C63C
 543          KM       ROUTE FLOW FROM C28 TO C63C.
 544          RM      1    4.04      .2

 545          KK      29
 546          KM       RUNOFF FROM SUBWATERSHED 29.
 547          BA     .01
 548          LS             81
 549          UK     100   .0300     .10     100
 550          RK    1150   .0174     .05     .01    TRAP             40

 551          KK    C63C
 552          KM       ROUTE FLOW FROM C29 TO C63C.
 553          RM      1    4.69      .2

 554          KK      30
 555          KM       RUNOFF FROM SUBWATERSHED 30.
 556          BA     .01
 557          LS             81
 558          UK     100   .0300     .10     100
 559          RK    1100   .0182     .05     .01    TRAP             15
```

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

 560          KK    C63C
 561          KM        ROUTE FLOW FROM C30 TO C63C.
 562          RM      1    3.08      .2

 563          KK     31
 564          KM        RUNOFF FROM SUBWATERSHED 31.
 565          BA    .63
 566          LS             77
 567          UK    200   .0300     .10     100
 568          RK   3000  . 0143     .06     .16   TRAP            10
 569          RK  17500   .0143     .05           TRAP     15     12

 570          KK    C63C
 571          KM        ROUTE FLOW FROM C31 TO C63C.
 572          RM      1    2.74      .2

 573          KK    C63C
 574          KM        ADD HYDROGRAPHS AT C63C.
 575          HC      5

 576          KK     32
 577          KM        RUNOFF FROM SUBWATERSHED 32.
 578          BA    .05
 579          LS             81
 580          UK    200   .0200     .10     100
 581          RK   3000   .0133     .05     .05   TRAP            35

 582          KK    C63C
 583          KM        ROUTE FLOW FROM C32 TO C63C.
 584          RM      1    3.76      .2

 585          KK     33
 586          KM        RUNOFF FROM SUBWATERSHED 33.
 587          BA    .02
 588          LS             81
 589          UK    100   .0200     .10     100
 590          RK   1250   .0160     .05     .02   TRAP            30

 591          KK    C63C
 592          KM        ROUTE FLOW FROM C33 TO C63C.
 593          RM      1    4.85      .2

 594          KK    63C
 595          KM        RUNOFF FROM SUBWATERSHED 63C.
 596          BA   1.70
 597          LS             83
 598          UK    200    .015     .12     100
 599          RK   2000   .0108     .05     .28   TRAP            15
 600          RK  15250   .0108     .05           TRAP     25     20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 601          KK    C63C
 602          KM        ADD HYDROGRAPHS AT C63C.
 603          HC       4

 604          KK     C63
 605          KM        ROUTE FLOW FROM C63C TO C63.
 606          RM       1    1.16      .2

 607          KK     63A
 608          KM        RUNOFF FROM SUBWATERSHED 63A.
 609          BA    2.67
 610          LS             78
 611          UK     350     .01     .12     100
 612          RK    5200    .010     .05     .24    TRAP            20
 613          RK   21250    .010     .05            TRAP     25     25

 614          KK     C63
 615          KM        ROUTE FLOW FROM C63A TO C63.
 616          RM       1    1.06      .2

 617          KK      63
 618          KM        RUNOFF FROM SUBWATERSHED 63.
 619          BA    2.78
 620          LS             78
 621          UK     400     .01     .12     100
 622          RK    3000   .0076     .05     .70    TRAP     10     25
 623          RK   20750   .0076     .05            TRAP     60     40

 624          KK     C63
 625          KM        ADD HYDROGRAPHS AT C63.
 626          HC       3

 627          KK     C63
 628          KM        STORAGE ROUTE THROUGH C63.  135.0' WIDE OVERCHUTE ON CAP WEST OF GRAND.
 629          RS       1    STOR       0       0
 630          SV       0    5.34   60.37   122.3     142
 631          SQ       0    2310    9506   20740   54560
 632          SE  1544.9    1548  1553.4    1556    1557

 633          KK    C83T
 634          KM        ROUTE FLOW FROM C63 TO C83T
 635          RM       1    1.69      .2

 636          KK     84T
 637          KM        RUNOFF FROM SUBWATERSHED 84T
 638          BA    1.81
 639          LS       0      74       0
 640          UK     400    .006     .13     100
 641          RK    6000   .0037     .06     .36    TRAP      0     35
 642          RK   21800   .0037     .05            TRAP     40     30
```

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

 643          KK    C83T
 644          KM        ADD HYDROGRAPHS AT C83T
 645          HC       2

 646          KK    C83T
 647          KM        ADD HYDROGRAPHS AT C83T.
 648          HC       2

 649          KK    C78T
 650          KM        ROUTE FLOW FROM C83T TO C78T
 651          RM       1     .26      .2

 652          KK     60D
 653          KM        RUNOFF FROM SUBWATERSHED 60D.
 654          BA    1.78
 655          LS              85
 656          UK     400   .0150     .12     100
 657          RK    2200   .0075     .05     .59    TRAP             20
 658          RK   14875   .0075     .05            TRAP     25      20

 659          KK    C60B
 660          KM        ROUTE FLOW FROM C60D TO C60B.
 661          RM       1    1.37      .2

 662          KK     60B
 663          KM        RUNOFF FROM SUBWATERSHED 60B.
 664          BA    3.53
 665          LS              83
 666          UK     400   .0089     .12     100
 667          RK    2600   .0069     .05     .76    TRAP             25
 668          RK   28250   .0069     .05            TRAP     30      20

 669          KK    C60B
 670          KM        ADD HYDROGRAPHS AT C60B.
 671          HC       2

 672          KK    C60A
 673          KM        ROUTE FLOW FROM C60B TO C60A.
 674          RM       1     .59      .2

 675          KK     60C
 676          KM        RUNOFF FROM SUBWATERSHED 60C.
 677          BA    1.19
 678          LS              81
 679          UK     400    .010     .11     100
 680          RK    2800    .007     .05     .17    TRAP             20
 681          RK   11000    .007     .05            TRAP     25      20

 682          KK    C60A
 683          KM        ROUTE FLOW FROM C60C TO C60A.
 684          RM       1    1.88      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 685          KK     60A
 686          KM        RUNOFF FROM SUBWATERSHED 60A.
 687          BA    2.88
 688          LS              81
 689          UK     250  .0089     .12     100
 690          RK    1800  .0069     .05     .72   TRAP            25
 691          RK   21125  .0069     .05           TRAP     30     20

 692          KK    C60A
 693          KM        ADD HYDROGRAPHS AT C60A.
 694          HC       3

 695          KK     C60
 696          KM        ROUTE FLOW FROM C60A TO C60.
 697          RM       1     .54      .2

 698          KK      60
 699          KM        RUNOFF FROM SUBWATERSHED 60.
 700          BA    3.29
 701          LS              82
 702          UK     500  .0104     .11     100
 703          RK    4200  .0064     .05     .83   TRAP            30
 704          RK   23500  .0064     .05           TRAP     30     30

 705          KK     C60
 706          KM        ADD HYDROGRAPHS AT C60.
 707          HC       2

 708          KK      59
 709          KM        RUNOFF FROM SUBWATERSHED 59.
 710          BA    2.29
 711          LS              79
 712          UK     500   .009     .11     100
 713          RK    3500  .0059     .05     .76   TRAP            30
 714          RK   21000  .0059     .05           TRAP     30     30

 715          KK     C60
 716          KM        ROUTE FLOW FROM C59 TO C60.
 717          RM       1     .94      .2

 718          KK     C60
 719          KM        ADD HYDROGRAPHS AT C60.
 720          HC       2

 721          KK      61
 722          KM        RUNOFF FROM SUBWATERSHED 61.
 723          BA    1.27
 724          LS              83
 725          UK     350  .0084     .11     100
 726          RK    2450  .0064     .05     .25   TRAP            35
 727          RK   12500  .0064     .05           TRAP     30     40
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 728          KK    C60
 729          KM       ROUTE FLOW FROM C61 TO C60.
 730          RM      1     .60     .2

 731          KK    C60
 732          KM       ADD HYDROGRAPHS AT C60.
 733          HC      2

 734          KK    C60
 735          KM       STORAGE ROUTE THROUGH C60.  67' WIDE OVERCHUTE ON CAP WEST OF GRAND.
 736          RS      1    STOR       0       0
 737          SV      0   11.41   62.95  549.65  570.12     600
 738          SQ      0       0    1876    5695    8237   19605
 739          SE   1533  1535.6    1540  1545.1    1546  1546.5

 740          KK   C89T
 741          KM       ROUTE FLOW AT C60 TO C89T.
 742          RM      1     .39     .2

 743          KK    88T
 744          KM       RUNOFF FROM SUBWATERSHED 88T
 745          BA    .63
 746          LS      0      75       0
 747          UK    200    .007     .13     100
 748          RK   2500   .0048     .06     .21    TRAP      0      25
 749          RK   6300   .0048     .05            TRAP     30      20

 750          KK   C89T
 751          KM       ADD HYDROGRAPHS AT C89T
 752          HC      2

 753          KK    90T
 754          KM       RUNOFF FROM SUBWATERSHED 90T
 755          BA   2.23
 756          LS      0      74       0
 757          UK    200    .016     .13     100
 758          RK   4500   .0133     .07     .74    TRAP      0      35
 759          RK  19000   .0133     .05            TRAP     20      30

 760          KK   C89T
 761          KM       ROUTE FLOW FROM C90T TO C89T
 762          RM      1     .88     .2

 763          KK   89AT
 764          KM       RUNOFF FROM SUBWATERSHED 89AT
 765          BA   2.69
 766          LS      0      80       0
 767          UI      0      59     119     188     294     440     594     746     918    1018
 768          UI    938    1052    1052    1052     852     752     703     622     540     510
 769          UI    527     367     350     334     308     249     240     230     222     214
 770          UI    207     193     138     134     130     126     103      67      65      64
 771          UI     62      60      56      36      35      34      33      33      32      31
 772          UI     31      30      31      16      16      15      15      15      15      14
 773          UI     14      14       6       0       0       0       0       0       0       0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 774          KK    C89T
 775          KM        ROUTE FLOW FROM C89AT TO C89T
 776          RM       1    1.24      .2

 777          KK     89T
 778          KM        RUNOFF FROM SUBWATERSHED 89T
 779          BA    3.39
 780          LS       0      73       0
 781          UK     250     .01     .14     100
 782          RK    4800   .0075     .06     .57    TRAP      0      30
 783          RK   16100   .0075     .05            TRAP     25      25

 784          KK    C89T
 785          KM        ADD HYDROGRAPHS AT C89T.
 786          HC       4

 787          KK    C87T
 788          KM        ROUTE FLOW FROM C89T TO C87T
 789          RM       1     .58      .2

 790          KK     87T
 791          KM        RUNOFF FROM SUBWATERSHED 87T
 792          BA    1.77
 793          LS       0      74       0
 794          UK     200    .008     .13     100
 795          RK    4200   .0049     .06     .35    TRAP      0      30
 796          RK   14300   .0049     .05            TRAP     30      25

 797          KK    C87T
 798          KM        ADD HYDROGRAPHS AT C87T.
 799          HC       2

 800          KK    86AT
 801          KM        RUNOFF FROM SUBWATERSHED 86AT
 802          BA    2.77
 803          LS       0      82       0
 804          UI       0     132     315     627    1048    1481    1628    1765    1765    1359
 805          UI    1182     950     846     708     573     495     406     381     359     335
 806          UI     230     219     196     112     107     103      88      59      57      55
 807          UI      53      51      49      27      26      25      24      24      16       0
 808          UI       0       0       0       0       0       0       0       0       0       0

 809          KK    C87T
 810          KM        ROUTE FLOW FROM C86AT TO C87T
 811          RM       1    1.39      .2

 812          KK     86T
 813          KM        RUNOFF FROM SUBWATERSHED 86T
 814          BA    3.10
 815          LS       0      73       0
 816          UK     350    .016     .15     100
 817          RK    8200   .0120     .07     .34    TRAP      0      30
 818          RK   24050   .0120     .05            TRAP     20      25
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 819          KK    85T
 820          KM       RUNOFF FROM SUBWATERSHED 85T
 821          BA   4.75
 822          LS      0     80      0
 823          UI      0     86    174    246    405    548    787    989   1202   1448
 824          UI   1573   1452   1646   1646   1646   1610   1242   1167   1100    997
 825          UI    855    813    775    754    565    542    520    501    380    378
 826          UI    366    354    342    332    322    299    216    210    205    199
 827          UI    194    125    104    102     99     97     95    102     56     55
 828          UI     54     53     52     51     50     49     48     47     63     25
 829          UI     25     25     24     24     23     23     23     22     22     22
 830          UI      7      0      0      0      0      0      0      0      0      0

 831          KK   C87T
 832          KM       ADD HYDROGRAPHS AT C87T
 833          HC      4

 834          KK   C81T
 835          KM       ROUTE FLOW FROM C87T TO C81T
 836          RM      1    .29     .2

 837          KK    81T
 838          KM       RUNOFF FROM SUBWATERSHED 81T
 839          BA   1.40
 840          LS      0     75      0
 841          UK    250   .017    .14    100
 842          RK   3000  .0121    .07    .47   TRAP      0     30
 843          RK  13500  .0121    .05          TRAP     20     25

 844          KK   C81T
 845          KM       ADD HYDROGRAPHS AT C81T.
 846          HC      2

 847          KK    80T
 848          KM       RUNOFF FROM SUBWATERSHED 80T
 849          BA   1.83
 850          LS      0     82      0
 851          UI      0     70    152    289    499    704    914    940   1016   1016
 852          UI    843    707    617    514    514    353    330    297    237    225
 853          UI    213    203    180    132    126    126     65     63     61     58
 854          UI     46     34     33     32     31     30     29     24     15     15
 855          UI     14     14     14     13      3      0      0      0      0      0

 856          KK    82T
 857          KM       RUNOFF FROM SUBWATERSHED 82T
 858          BA   1.59
 859          LS      0     75      0
 860          UK    300   .007    .15    100
 861          RK   3200  .0053    .06    .40   TRAP      0     35
 862          RK  20600  .0053    .05          TRAP     15     30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 863          KK    C81T
 864          KM        ADD HYDROGRAPHS AT C81T
 865          HC      3

 866          KK    C78T
 867          KM        ROUTE FLOW FROM C81T TO C78T
 868          RM      1     .23      .2

 869          KK    C78T
 870          KM        ADD HYDROGRAPHS AT C78T.
 871          HC      2

 872          KK     78T
 873          KM        RUNOFF FROM SUBWATERSHED 78T
 874          BA    1.10
 875          LS      0      72       0
 876          UK    300    .009     .15     100
 877          RK   3400   .0063     .06     .28    TRAP      0      35
 878          RK   8200   .0063     .05            TRAP     70      30

 879          KK    C78T
 880          KM        ADD HYDROGRAPHS AT C78T
 881          HC      2

 882          KK    C76T
 883          KM        ROUTE FLOW FROM C78T TO C76T
 884          RM      1     .69      .2

 885          KK     79T
 886          KM        RUNOFF FROM SUBWATERSHED 79T
 887          BA     2.8
 888          LS      0      72       0
 889          UK    200    .009     .15     100
 890          RK   4600   .0059     .06     .40    TRAP      0      35
 891          RK  21100   .0059     .05            TRAP     25      30

 892          KK    C76T
 893          KM        ROUTE FLOW FROM C79T TO C76T
 894          RM      1    1.30      .2

 895          KK    C76T
 896          KM        ADD HYDROGRAPHS AT C76T.
 897          HC      2

 898          KK     77T
 899          KM        RUNOFF FROM SUBWATERSHED 77T
 900          BA    2.15
 901          LS      0      77       0
 902          UI      0     127     328     684    1138    1377    1563    1563    1196    1013
 903          UI    795     719     523     464     362     337     315     263     199     188
 904          UI    113      95      91      71      52      49      48      46      44      24
 905          UI     23      22      21      21       1       0       0       0       0       0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 906          KK    C76T
 907          KM       ROUTE FLOW FROM C77T TO C76T
 908          RM      1    1.08      .2

 909          KK    C76T
 910          KM       ADD HYDROGRAPHS AT C76T.
 911          HC      2

 912          KK     76T
 913          KM       RUNOFF FROM SUBWATERSHED 76T
 914          BA    4.11
 915          LS      0      72       0
 916          UK    300    .007     .14     100
 917          RK   7000   .0062     .06     .16    TRAP      0      35
 918          RK  22100   .0062     .05            TRAP     80      30

 919          KK    C76T
 920          KM       ADD HYDROGRAPHS AT C76T
 921          HC      2

 922          KK     66
 923          KM       RUNOFF FROM SUBWATERSHED 66
 924          BA    .54
 925          LS      0      73       0
 926          UK    300   .0195     .11     100
 927          RK   2000   .0182     .07     .14    TRAP      0      20
 928          RK   7700   .0182     .05            TRAP     20      15

 929          KK     C67
 930          KM       ROUTE FLOW FROM C66 TO C67
 931          RM      1     .28      .2

 932          KK     67
 933          KM       RUNOFF FROM SUBWATERSHED 67
 934          BA    6.20
 935          LS      0      84       0
 936          UI      0      98     198     270     434     579     823    1059    1287    1528
 937          UI   1787    1927    1716    1976    1976    1976    1976    1606    1436    1358
 938          UI   1289    1114    1012     967     926     906     679     654     630     608
 939          UI    501     462     447     433     420     408     396     386     363     260
 940          UI    254     248     242     236     203     127     124     121     119     116
 941          UI    114     128      68      67      65      64      63      62      61      60
 942          UI     59      58      57      78      31      30      30      29      29      28
 943          UI     28      28      27      27      26      26       9       0       0       0

 944          KK     C67
 945          KM       ADD HYDROGRAPHS AT C67
 946          HC      2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 947          KK    C68
 948          KM       ROUTE FLOW FROM C67 TO C68
 949          RM      1     .16      .2

 950          KK     68
 951          KM       RUNOFF FROM SUBWATERSHED 68
 952          BA   1.67
 953          LS      0      81       0
 954          UI      0      44      90     157     244     373     490     626     709     665
 955          UI    737     737     687     542     501     447     378     355     344     252
 956          UI    239     228     180     169     161     155     149     143     113      95
 957          UI     92      89      70      47      45      44      43      44      25      24
 958          UI     24      23      23      22      22      21      22      11      11      11
 959          UI     11      10      10      10      10       4       0       0       0       0

 960          KK    C68
 961          KM       ADD HYDROGRAPHS AT C68
 962          HC      2

 963          KK    C69
 964          KM       ROUTE FLOW FROM C68 TO C69
 965          RM      1     .54      .2

 966          KK     69
 967          KM       RUNOFF FROM SUBWATERSHED 69
 968          BA    .71
 969          LS      0      73       0
 970          UK    300   .0182     .09     100
 971          RK   1700   .0164     .07     .14    TRAP      0      15
 972          RK   9000   .0164     .05            TRAP     20      10

 973          KK    C69
 974          KM       ADD HYDROGRAPHS AT C69
 975          HC      2

 976          KK    C70
 977          KM       ROUTE FLOW FROM C69 TO C70
 978          RM      1     .25      .2

 979          KK    70A
 980          KM       RUNOFF FROM SUBWATERSHED 70A
 981          BA   5.87
 982          LS      0      85       0
 983          UI      0     138     281     460     700    1100    1446    1817    2191    2148
 984          UI   2405    2405    2405    2186    1763    1641    1495    1249    1177    1228
 985          UI    841     800     763     691     567     544     523     503     485     468
 986          UI    383     311     301     292     285     155     150     146     142     139
 987          UI    134      82      80      78      76      74      73      71      70      90
 988          UI     37      36      36      35      34      34      33      32      32      19
 989          UI      0       0       0       0       0       0       0       0       0       0
```

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

 990          KK    C70
 991          KM       ROUTE FLOW FROM C70A TO C70
 992          RM      1     .60      .2

 993          KK     70
 994          KM       RUNOFF FROM SUBWATERSHED 70
 995          BA    1.03
 996          LS      0      76       0
 997          UK    350    .025     .10     100
 998          RK   2100   .0162     .07     .20   TRAP      0      20
 999          RK  15000   .0162     .05           TRAP     35      15

1000          KK    C70
1001          KM       ADD HYDROGRAPHS AT C70
1002          HC      3

1003          KK    C71
1004          KM       ROUTE FLOW FROM C70 TO C71
1005          RM      1     .98      .2

1006          KK     71
1007          KM       RUNOFF FROM SUBWATERSHED 71
1008          BA    .83
1009          LS      0      72       0
1010          UK    300    .025     .11     100
1011          RK   2100   .0159     .07     .16   TRAP      0      20
1012          RK  10400   .0159     .05           TRAP     25      15

1013          KK    C71
1014          KM       ADD HYDROGRAPHS AT C71
1015          HC      2

1016          KK    C72
1017          KM       ROUTE FLOW FROM C71 TO C72
1018          RM      1     .25      .2

1019          KK     72
1020          KM       RUNOFF FROM SUBWATERSHED 72
1021          BA    2.10
1022          LS      0      78       0
1023          UI      0      72     149     285     472     680     906     961    1084    1084
1024          UI   1084     811     740     640     546     508     427     356     335     260
1025          UI    245     233     222     212     167     139     133     128      69      67
1026          UI     65      63      54      36      35      34      33      32      32      37
1027          UI     17      16      16      15      15      15      14       7       0       0

1028          KK    C72
1029          KM       ADD HYDROGRAPHS AT C72
1030          HC      2
```

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

1031          KK     C73
1032          KM        ROUTE FLOW FROM C72 TO C73
1033          RM      1    1.48      .2

1034          KK      73
1035          KM        RUNOFF FROM SUBWATERSHED 73
1036          BA    4.32
1037          LS      0      77       0
1038          UI      0     147     306     586     971    1399    1863    1978    2230    2230
1039          UI   2230    1668    1523    1316    1123    1046     879     732     690     534
1040          UI    503     478     456     436     344     285     274     263     143     138
1041          UI    133     129     112      75      73      71      69      67      65      76
1042          UI     34      33      33      32      31      30      30      15       0       0

1043          KK     C73
1044          KM        ADD HYDROGRAPHS AT C73
1045          HC      2

1046          KK     C74
1047          KM        ROUTE FLOW FROM C73 TO C74
1048          RM      1    1.13      .2

1049          KK      75
1050          KM        RUNOFF FROM SUBWATERSHED 75
1051          BA    1.51
1052          LS      0      83       0
1053          UI      0      57     123     232     402     566     738     765     829     829
1054          UI    710     583     518     424     393     334     272     256     194     185
1055          UI    176     167     159     109     104     100      70      52      50      48
1056          UI     43      28      27      26      25      25      24      24      13      12
1057          UI     12      12      11      11       8       0       0       0       0       0

1058          KK     C74
1059          KM        ROUTE FLOW FROM C75 TO C74
1060          RM      1     .79      .2

1061          KK      74
1062          KM        RUNOFF FROM SUBWATERSHED 74
1063          BA    1.26
1064          LS      0      72       0
1065          UK    350   .0095     .11     100
1066          RK   3500   .0073     .06     .25    TRAP      0      45
1067          RK   8500   .0073     .05            TRAP     25      40

1068          KK     C74
1069          KM        ADD HYDROGRAPHS AT C74
1070          HC      3

1071          KK    C76T
1072          KM        ROUTE FLOW AT C74 TO C76T.
1073          RM      1     .31      .2
```

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

1074          KK    C76T
1075          KM       ADD HYDROGRAPHS AT C76T.
1076          HC      2

1077          KK     C91
1078          KM       ROUTE FLOW FROM C76T TO C91
1079          RM      1     .25      .2

1080          KK      34
1081          KM       RUNOFF FROM SUBWATERSHED 34.
1082          BA    .34
1083          LS             81
1084          UK     150    .02     .10     100
1085          RK    3200  .0136     .05     .41    TRAP            20
1086          RK   11750  .0136     .05            TRAP     10     10

1087          KK    C64A
1088          KM       ROUTE FLOW FROM C34 TO C64A.
1089          RM      1    2.81      .2

1090          KK      35
1091          KM       RUNOFF FROM SUBWATERSHED 35.
1092          BA    .34
1093          LS             81
1094          UK     200   .020     .10     100
1095          RK    3200  .0136     .05     .11    TRAP            20
1096          RK   10875  .0138     .05            TRAP     15     20

1097          KK    C64A
1098          KM       ROUTE FLOW FROM C35 TO C64A.
1099          RM      1    2.13      .2

1100          KK     64A
1101          KM       RUNOFF FROM SUBWATERSHED 64A.
1102          BA   1.99
1103          LS             79
1104          UK     300   .012     .11     100
1105          RK    3000  .0086     .05     .33    TRAP            20
1106          RK   19000  .0086     .05            TRAP     20     25

1107          KK    C64A
1108          KM       ADD HYDROGRAPHS AT C64A.
1109          HC      3

1110          KK     C64
1111          KM       ROUTE FLOW FROM C64A TO C64.
1112          RM      1     .96      .2

1113          KK      36
1114          KM       RUNOFF FROM SUBWATERSHED 36.
1115          BA   3.64
1116          LS             80
1117          UK     200   .020     .10     100
1118          RK    5600  .0159     .05     .32    TRAP      5     20
```

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

1119          RK   43875   .0159     .05           TRAP      15      40

1120          KK    C64B
1121          KM       ROUTE FLOW FROM C36 TO C64B.
1122          RM       1    1.02      .2

1123          KK      37
1124          KM       RUNOFF FROM SUBWATERSHED 37.
1125          BA    2.71
1126          LS             80
1127          UK     200    .020     .10     100
1128          RK    5600   .0159     .05     .32   TRAP       5      25
1129          RK   39875   .0159     .05           TRAP      25      40

1130          KK    C64B
1131          KM       ROUTE FLOW FROM C37 TO C64B.
1132          RM       1    1.09      .2

1133          KK     64B
1134          KM       RUNOFF FROM SUBWATERSHED 64B.
1135          BA    1.93
1136          LS             81
1137          UK     300    .012     .12     100
1138          RK    3000    .009     .05     .27   TRAP              20
1139          RK   15500    .009     .05           TRAP      20      25

1140          KK    C64B
1141          KM       ADD HYDROGRAPHS AT C64B.
1142          HC       3

1143          KK     C64
1144          KM       ROUTE FLOW FROM C64B TO C64.
1145          RM       1     .72      .2

1146          KK      64
1147          KM       RUNOFF FROM SUBWATERSHED 64.
1148          BA    3.52
1149          LS             78
1150          UK     500    .010     .13     100
1151          RK    6000   .0056     .05     .50   TRAP      10      25
1152          RK    9100   .0056     .05           TRAP      80      40

1153          KK     C64
1154          KM       ADD HYDROGRAPHS AT C64.
1155          HC       3

1156          KK     C64
1157          KM       STORAGE ROUTE THROUGH C64.  87.1' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1158          RS       1    STOR       0       0
1159          SV       0   32.46  350.14  629.41
1160          SQ       0       0    2265    3920
1161          SE    1541  1544.7    1549  1550.9
```

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

1162          KK     C95
1163          KM        ROUTE FLOW FROM C64 TO C95.
1164          RM      1    1.13      .2

1165          KK      95
1166          KM        RUNOFF FROM SUBWATERSHED 95
1167          BA    1.72
1168          LS      0      76       0
1169          UK    200    .009     .14     100
1170          RK   3300   .0062     .06     .34    TRAP      0      30
1171          RK  16900   .0062     .05            TRAP     50      25

1172          KK     C95
1173          KM        ADD HYDROGRAPHS AT C95.
1174          HC      2

1175          KK      96
1176          KM        RUNOFF FROM SUBWATERSHED 96
1177          BA    1.89
1178          LS      0      72       0
1179          UK    250     .01     .13     100
1180          RK   4000   .0074     .06     .31    TRAP      0      30
1181          RK  10200   .0074     .05            TRAP     25      25

1182          KK     C95
1183          KM        ROUTE FLOW FROM C96 TO C95
1184          RM      1     .47      .2

1185          KK      94
1186          KM        RUNOFF FROM SUBWATERSHED 94
1187          BA     .53
1188          LS      0      72       0
1189          UK    200    .012     .14     100
1190          RK   2100   .0082     .06     .17    TRAP      0      30
1191          RK   9150   .0082     .05            TRAP     30      25

1192          KK     C95
1193          KM        ADD HYDROGRAPHS AT C95.
1194          HC      2

1195          KK     C95
1196          KM        ADD HYDROGRAPHS AT C95
1197          HC      2

1198          KK     C93
1199          KM        ROUTE FLOW FROM C95 TO C93
1200          RM      1    1.10      .2

1201          KK      93
1202          KM        RUNOFF FROM SUBWATERSHED 93
1203          BA    1.16
1204          LS      0      72       0
1205          UK    200    .007     .15     100
1206          RK   3600   .0048     .06     .29    TRAP      0      40
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1207          RK   14200   .0048     .05           TRAP      40      35

1208          KK     C93
1209          KM        ADD HYDROGRAPHS AT C93.
1210          HC       2

1211          KK      92
1212          KM        RUNOFF FROM SUBWATERSHED 92
1213          BA    1.55
1214          LS       0      72       0
1215          UK     250    .009     .15     100
1216          RK    4300   .0064     .06     .38   TRAP       0      40
1217          RK   19800   .0064     .05           TRAP      40      35

1218          KK     C93
1219          KM        ADD HYDROGRAPHS AT C93
1220          HC       2

1221          KK     C91
1222          KM        ROUTE FLOW FROM C93 TO C91
1223          RM       1     .58      .2

1224          KK     C91
1225          KM        ADD HYDROGRAPHS AT C91.
1226          HC       2

1227          KK      91
1228          KM        RUNOFF FROM SUBWATERSHED 91
1229          BA    1.12
1230          LS       0      75       0
1231          UK     300     .01     .15     100
1232          RK    4500   .0055     .06     .28   TRAP       0      45
1233          RK   10800   .0055     .05           TRAP      40      40

1234          KK     C91
1235          KM        ADD HYDROGRAPHS AT C91
1236          HC       2

1237          KK     C97
1238          KM        ROUTE FLOW FROM C91 TO C97.
1239          RM       1    1.58      .2

1240          KK      38
1241          KM        RUNOFF FROM SUBWATERSHED 38.
1242          BA    8.65
1243          LS              78
1244          UK     200    .020     .10     100
1245          RK    9500   .0180     .05     .51   TRAP       5      30
1246          RK   52000   .0164     .05           TRAP      15      50
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1247          KK     C65
1248          KM        ROUTE FLOW FROM C38 TO C65.
1249          RM      1    1.33      .2

1250          KK      39
1251          KM        RUNOFF FROM SUBWATERSHED 39.
1252          BA    .76
1253          LS             72
1254          UK    300    .015     .10     100
1255          RK   5000   .0114     .05     .17    TRAP             30
1256          RK  11000   .0114     .05            TRAP     10      40

1257          KK     C65
1258          KM        ROUTE FLOW FROM C39 TO C65.
1259          RM      1    1.64      .2

1260          KK     40A
1261          KM        RUNOFF FROM SUBWATERSHED 40A.
1262          BA   7.11
1263          LS             75
1264          UK    300    .025     .10     100
1265          RK  13000   .0173     .05     .42    TRAP     15      20
1266          RK  47500   .0173     .05            TRAP     60      10

1267          KK     C40
1268          KM        ROUTE FLOW FROM C40A TO C40.
1269          RM      1     .49      .2

1270          KK     40E
1271          KM        RUNOFF FROM SUBWATERSHED 40E.
1272          BA    .14
1273          LS             72
1274          UK    200    .016     .11     100
1275          RK   4500   .0149     .05     .14    TRAP     10      15

1276          KK    C40C
1277          KM        ROUTE FLOW FROM C40E TO C40C.
1278          RM      1     .34      .2

1279          KK     40F
1280          KM        RUNOFF FROM SUBWATERSHED 40F.
1281          BA   3.51
1282          LS             78
1283          UK    200    .025     .11     100
1284          RK   5000   .0232     .05     .35    TRAP             15
1285          RK  34675   .0232     .05            TRAP     20      15

1286          KK    C40C
1287          KM        ROUTE FLOW FROM C40F TO C40C.
1288          RM      1     .16      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1289          KK    40C
1290          KM       RUNOFF FROM SUBWATERSHED 40C.
1291          BA    .21
1292          LS            74
1293          UK    200   .020    .11    100
1294          RK   1000  .0116    .05    .04   TRAP            15
1295          RK   3700  .0116    .05          TRAP     20     15

1296          KK   C40C
1297          KM       ADD HYDROGRAPHS AT C40C.
1298          HC      3

1299          KK   C40B
1300          KM       ROUTE FLOW FROM C40C TO C40B.
1301          RM      1    .18     .2

1302          KK    40J
1303          KM       RUNOFF FROM SUBWATERSHED 40J.
1304          BA   3.24
1305          LS            85
1306          UI      0    278    1015    1946    2334    1888    1323     983     693     520
1307          UI    472    300     228     141     114      76      71      65      35      33
1308          UI     31      0       0       0       0       0       0       0       0       0

1309          KK   C40H
1310          KM       ROUTE FLOW FROM C40J TO C40H.
1311          RM      1    .37     .2

1312          KK    40H
1313          KM       RUNOFF FROM SUBWATERSHED 40H.
1314          BA    .67
1315          LS            83
1316          UK    200   .020    .11    100
1317          RK   3000  .0173    .05    .11   TRAP            20
1318          RK   9900  .0173    .05          TRAP     40     10

1319          KK   C40H
1320          KM       ADD HYDROGRAPHS AT C40H.
1321          HC      2

1322          KK   C40G
1323          KM       ROUTE FLOW FROM C40H TO C40G.
1324          RM      1    .50     .2

1325          KK    40I
1326          KM       RUNOFF FROM SUBWATERSHED 40I.
1327          BA   1.65
1328          LS            83
1329          UI      0     81     243     522     762     881     841     618     484     408
1330          UI    291    237     196     180     146     110      88      55      51      38
1331          UI     29     27      26      24      13      13      12      11       0       0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1332          KK    C40G
1333          KM        ROUTE FLOW FROM C40I TO C40G.
1334          RM      1     .66      .2

1335          KK    C40G
1336          KM        ADD HYDROGRAPHS AT C40G.
1337          HC      2

1338          KK     40G
1339          KM        RUNOFF FROM SUBWATERSHED 40G.
1340          BA    2.05
1341          LS             79
1342          UK    200    .020     .11     100
1343          RK   5000   .0152     .05     .20   TRAP            25
1344          RK  17900   .0152     .05           TRAP     50     10

1345          KK    C40G
1346          KM        ADD HYDROGRAPHS AT C40G.
1347          HC      2

1348          KK    C40D
1349          KM        ROUTE FLOW FROM C40G TO C40D.
1350          RM      1     .12      .2

1351          KK     40D
1352          KM        RUNOFF FROM SUBWATERSHED 40D.
1353          BA    .19
1354          LS             72
1355          UK    200    .020     .11     100
1356          RK    800   .0123     .05     .05   TRAP            15
1357          RK   3000   .0123     .05           TRAP     20     15

1358          KK    C40D
1359          KM        ADD HYDROGRAPHS AT C40D.
1360          HC      2

1361          KK    C40B
1362          KM        ROUTE FLOW FROM C40D TO C40B.
1363          RM      1     .23      .2

1364          KK     40B
1365          KM        RUNOFF FROM SUBWATERSHED 40B.
1366          BA    .51
1367          LS             74
1368          UK    200    .020     .11     100
1369          RK   1700   .0113     .05     .10   TRAP      5     15
1370          RK   4600   .0113     .05           TRAP     20      5

1371          KK    C40B
1372          KM        ADD HYDROGRAPHS AT C40B.
1373          HC      3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1374          KK     C40
1375          KM        ROUTE FLOW FROM C40B TO C40.
1376          RM      1     .48      .2

1377          KK      40
1378          KM        RUNOFF FROM SUBWATERSHED 40.
1379          BA    1.45
1380          LS             73
1381          UK     400    .010     .11     100
1382          RK    4000   .0092     .05     .29    TRAP      10      20
1383          RK   11600   .0092     .05            TRAP      10      40

1384          KK     C40
1385          KM        ADD HYDROGRAPHS AT C40.
1386          HC      3

1387          KK     C41
1388          KM        ROUTE FLOW FROM C40 TO C41.
1389          RM      1     .20      .2

1390          KK      41
1391          KM        RUNOFF FROM SUBWATERSHED 41.
1392          BA     .68
1393          LS             77
1394          UK     300   .0133     .11     100
1395          RK   12250   .0104     .05     .68    TRAP      10      30

1396          KK     C41
1397          KM        ADD HYDROGRAPHS AT C41.
1398          HC      2

1399          KK     C65
1400          KM        ROUTE FLOW FROM C41 TO C65.
1401          RM      1     .05      .2

1402          KK      65
1403          KM        RUNOFF FROM SUBWATERSHED 65.
1404          BA    1.81
1405          LS             74
1406          UK     400    .010     .12     100
1407          RK    6000   .0079     .05     .25    TRAP      10      25
1408          RK   16300   .0079     .05            TRAP      50      30

1409          KK     C65
1410          KM        ADD HYDROGRAPHS AT C65.
1411          HC      4

1412          KK     C65
1413          KM        STORAGE ROUTE THROUGH C65.  67.5' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1414          RS      1    STOR       0       0
1415          SV      0     .44    2.94   35.52  114.78  210.33     250     260     350
1416          SQ      0     338    1013    2025    3577    4725    7945   24515   40600
1417          SE  1543.2    1544    1546    1548    1550  1551.7  1552.5    1553    1554
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1418          KK   C102A
1419          KM        ROUTE FLOW AT C65 TO C102A.
1420          RM       1     .82      .2

1421          KK    102A
1422          KM        RUNOFF FROM SUBWATERSHED 102A.
1423          BA    2.34
1424          LS       0      74       0
1425          UK     250     .01     .12     100
1426          RK    4500   .0073     .06     .35    TRAP       0      30
1427          RK   16700   .0073     .05    2.34    TRAP      35      25

1428          KK   C102A
1429          KM        ADD HYDROGRAPHS AT C102A.
1430          HC       2

1431          KK     104
1432          KM        RUNOFF FROM SUBWATERSHED 104.
1433          BA     .04
1434          LS              72
1435          UK     300    .015     .12     100
1436          RK    1200    .018     .05     .04    TRAP       0      25

1437          KK   C102A
1438          KM        ROUTE FLOW FROM C104 TO C102A.
1439          RM       1    2.79      .2

1440          KK   C102A
1441          KM        ADD HYDROGRAPHS AT C102A.
1442          HC       2

1443          KK     105
1444          KM        RUNOFF FROM SUBWATERSHED 105.
1445          BA     .03
1446          LS       0      72       0
1447          UK     200    .012     .12     100
1448          RK    1500   .0093     .05     .03    TRAP       0      25

1449          KK   C102A
1450          KM        ROUTE FLOW AT C105 TO C102A.
1451          RM       1    3.77      .2

1452          KK   C102A
1453          KM        ADD HYDROGRAPHS AT C102A.
1454          HC       2

1455          KK    42D1
1456          KM        RUNOFF FROM SUBWATERSHED 42D1.
1457          BA     .04
1458          LS              72
1459          UK     200    .020     .11     100
1460          RK    2900   .0138     .05            TRAP       0      10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1461          KK    C42D
1462          KM       ROUTE FLOW FROM C42D1 TO C42D.
1463          RM      1    .43     .2

1464          KK     42D
1465          KM       RUNOFF FROM SUBWATERSHED 42D.
1466          BA    .10
1467          LS            72
1468          UK    200   .020    .11    100
1469          RK    700  .0133    .05    .03   TRAP            10
1470          RK   3000  .0133    .05          TRAP      5     10

1471          KK    C42D
1472          KM       ADD HYDROGRAPHS AT C42D.
1473          HC      2

1474          KK    C42A
1475          KM       ROUTE FLOW FROM  C42D TO C42A.
1476          RM      1    .63     .2

1477          KK     42A
1478          KM       RUNOFF FROM SUBWATERSHED 42A.
1479          BA    .33
1480          LS            72
1481          UK    200   .015    .11    100
1482          RK   2000  .0103    .05    .11   TRAP            10
1483          RK   5250  .0103    .05          TRAP     10     10

1484          KK    C42A
1485          KM       ADD HYDROGRAPHS AT C42A.
1486          HC      2

1487          KK     C42
1488          KM       ROUTE FLOW FROM C42A TO C42.
1489          RM      1   1.60     .2

1490          KK    42E1
1491          KM      RUNOFF FROM SUBWATERSHED 42E1.
1492          BA    .48
1493          LS            75
1494          UK    200   .020    .11    100
1495          RK   2600  .0160    .05    .12   TRAP      0     15
1496          RK  10900  .0160    .05          TRAP     10     10

1497          KK    C42E
1498          KM       ROUTE FLOW FROM C42E1 TO C42E.
1499          RM      1    .27     .2

1500          KK     42E
1501          KM       RUNOFF FROM SUBWATERSHED 42E.
1502          BA    .10
1503          LS            72
1504          UK    200   .020    .11    100
1505          RK    700  .0141    .05    .05   TRAP            10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1506          RK    3200  .0141    .05           TRAP      5     10

1507          KK    C42E
1508          KM       ADD HYDROGRAPHS AT C42E.
1509          HC      2

1510          KK    C42B
1511          KM       ROUTE FLOW FROM C42E TO C42B.
1512          RM      1    .45     .2

1513          KK     42B
1514          KM       RUNOFF FROM SUBWATERSHED 42B.
1515          BA    .17
1516          LS            72
1517          UK    200   .015    .10    100
1518          RK    700  .0123    .05    .04   TRAP            15
1519          RK   4875  .0123    .05          TRAP     10     10

1520          KK    C42B
1521          KM       ADD HYDROGRAPHS AT C42B.
1522          HC      2

1523          KK     C42
1524          KM       ROUTE FLOW FROM C42B TO C42.
1525          RM      1   1.53     .2

1526          KK    42F1
1527          KM       RUNOFF FROM SUBWATERSHED 42F1.
1528          BA    .22
1529          LS            72
1530          UK    200   .020    .12    100
1531          RK   2600  .0148    .05    .07   TRAP      0     10
1532          RK   7650  .0148    .05          TRAP      0     15

1533          KK    C42F
1534          KM       ROUTE FLOW FROM C42F1 TO C42F.
1535          RM      1    .33     .2

1536          KK     42F
1537          KM       RUNOFF FROM SUBWATERSHED 42F.
1538          BA    .11
1539          LS            72
1540          UK    200   .020    .11    100
1541          RK   1000  .0129    .05    .03   TRAP      0     10
1542          RK   3100  .0129    .05          TRAP      5     10

1543          KK    C42F
1544          KM       ADD HYDROGRAPHS AT C42F.
1545          HC      2
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1546        KK    C42C
1547        KM        ROUTE FLOW FROM C42F TO C42C.
1548        RM      1     .45      .2

1549        KK     42C
1550        KM        RUNOFF FROM SUBWATERSHED 42C.
1551        BA     .30
1552        LS             72
1553        UK     200    .020     .11     100
1554        RK    2000     133     .05     .05    TRAP      0      15
1555        RK    4500   .0133     .05            TRAP     10      10

1556        KK    C42C
1557        KM        ADD HYDROGRAPHS AT C42C.
1558        HC      2

1559        KK     C42
1560        KM        ROUTE FLOW FROM C42C TO C42.
1561        RM      1    1.37      .2

1562        KK      42
1563        KM        RUNOFF FROM SUBWATERSHED 42.
1564        BA    1.88
1565        LS             77
1566        UK     300   .0133     .11     100
1567        RK    6000   .0098     .05     .30    TRAP      0      40
1568        RK   16000   .0098     .05            TRAP     20      50

1569        KK     C42
1570        KM        ADD HYDROGRAPHS AT C42.
1571        HC      4

1572        KK     43B
1573        KM        RUNOFF FROM SUBWATERSHED 43B.
1574        BA    1.52
1575        LS             85
1576        UI      0      79     246     523     750     841     759     571     427     353
1577        UI    268     202     180     170     109     102      59      50      43      28
1578        UI     26      25      25      13      12      12      11       1       0       0

1579        KK    C43A
1580        KM        ROUTE FLOW FROM C43B TO C43A.
1581        RM      1     .53      .2

1582        KK     43A
1583        KM        RUNOFF FROM SUBWATERSHED 43A.
1584        BA    1.46
1585        LS             81
1586        UK     300    .025     .11     100
1587        RK    4000   .0184     .05     .25    TRAP      0      15
1588        RK   19400   .0184     .05            TRAP     10      15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1589          KK    C43A
1590          KM       ADD HYDROGRAPHS AT C43A.
1591          HC      2

1592          KK     C43
1593          KM       ROUTE FLOW FROM C43A TO C43.
1594          RM      1     .98      .2

1595          KK     43C
1596          KM       RUNOFF FROM SUBWATERSHED 43C.
1597          BA    .31
1598          LS            81
1599          UK    200   .020     .11     100
1600          RK   2500  .0183     .05     .15   TRAP      0      15
1601          RK   9000  .0183     .05           TRAP      0      15

1602          KK    C43C
1603          KM       STORAGE ROUTE THROUGH C43C.  2-36" CMP'S ON CHRYSLER PROVING GROUNDS.
1604          RS      1    STOR       0       0
1605          SV      0    1.01    3.53    9.18
1606          SQ      0      42     110     130
1607          SE   1798    1802    1804    1806

1608          KK     C43
1609          KM       ROUTE FLOW FROM C43C TO C43.
1610          RM      1    1.86      .2

1611          KK     43D
1612          KM       RUNOFF FROM SUBWATERSHED 43D.
1613          BA    .35
1614          LS            81
1615          UK    200   .022     .11     100
1616          RK   2500  .0183     .05     .15   TRAP      0      15
1617          RK   9000  .0183     .05           TRAP      0      15

1618          KK     C43
1619          KM       ROUTE FLOW FROM C43D TO C43.
1620          RM      1    1.81      .2

1621          KK     C43
1622          KM       ADD HYDROGRAPHS  AT C43.
1623          HC      3

1624          KK     43E
1625          KM       RUNOFF FROM SUBWATERSHED 43E.
1626          BA    .32
1627          LS            81
1628          UK    200   .022     .11     100
1629          RK   2500  .0185     .05     .15   TRAP      0      15
1630          RK   8125  .0185     .05           TRAP      0      15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1631          KK     C43
1632          KM        ROUTE FLOW FROM C43E TO C43.
1633          RM       1    1.80      .2

1634          KK      43
1635          KM        RUNOFF FROM SUBWATERSHED 43.
1636          BA    4.42
1637          LS              74
1638          UK     300   .0133     .12     100
1639          RK    5000   .0120     .05     .40    TRAP      0      40
1640          RK   22500    .012     .05            TRAP     10      50

1641          KK     C43
1642          KM        ADD HYDROGRAPHS AT C43.
1643          HC       3

1644          KK      44
1645          KM        RUNOFF FROM SUBWATERSHED 44.
1646          BA     .76
1647          LS              72
1648          UK     200   .0150     .11     100
1649          RK    2500   .0101     .05     .25    TRAP      0      30
1650          RK    9375   .0101     .05            TRAP     10      30

1651          KK      45
1652          KM        RUNOFF FROM SUBWATERSHED 45.
1653          BA    2.29
1654          LS              72
1655          UK     300   .0160     .11     100
1656          RK    3000   .0117     .05     .23    TRAP      0      30
1657          RK   19250   .0117     .05            TRAP     15      40

1658          KK     C46
1659          KM        ADD HYDROGRAPHS AT C46.
1660          HC       4

1661          KK      46
1662          KM        RUNOFF FROM SUBWATERSHED 46.
1663          BA    1.22
1664          LS              72
1665          UK     400    .020     .12     100
1666          RK    3000   .0118     .05     .12    TRAP      0      30
1667          RK   13375   .0118     .05            TRAP     30      15

1668          KK     C46
1669          KM        ADD HYDROGRAPHS AT C46.
1670          HC       2

1671          KK     47C
1672          KM        RUNOFF FROM SUBWATERSHED 47C.
1673          BA   16.43
1674          LS              86
1675          UI       0     336     697    1336    2215    3192    4251    4513    5089    5089
1676          UI    5089    3807    3475    3004    2564    2387    2007    1670    1574    1219
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1677          UI    1148    1092    1041     995     786     651     625     600     326     315
1678          UI     304     294     256     171     166     161     157     152     148     173
1679          UI      78      76      74      73      71      69      68      35       0       0

1680          KK    C47B
1681          KM       ROUTE FLOW FROM C47C TO C47B.
1682          RM       1     .95      .2

1683          KK     47B
1684          KM       RUNOFF FROM SUBWATERSHED 47B.
1685          BA    2.30
1686          LS             79
1687          UK     200    .020     .12     100
1688          RK    5000    .015     .05     .35    TRAP      5      15
1689          RK   28750   .0179     .05            TRAP     10      15

1690          KK    C47B
1691          KM       ADD HYDROGRAPHS AT C47B.
1692          HC       2

1693          KK    C47A
1694          KM       ROUTE FLOW FROM C47B TO C47A.
1695          RM       1     .43      .2

1696          KK     47A
1697          KM       RUNOFF FROM SUBWATERSHED 47A.
1698          BA    1.90
1699          LS             77
1700          UK     200    .020     .12     100
1701          RK    5000   .0150     .05     .35    TRAP      5      15
1702          RK   27250   .0150     .05            TRAP     10      15

1703          KK    C47A
1704          KM       ADD HYDROGRAPHS AT C47A.
1705          HC       2

1706          KK     C47
1707          KM       ROUTE FLOW FROM C47A TO C47.
1708          RM       1     .18      .2

1709          KK      47
1710          KM       RUNOFF FROM SUBWATERSHED 47.
1711          BA     .24
1712          LS             72
1713          UK     200    .020     .11     100
1714          RK    5500   .0105     .05            TRAP     10      30

1715          KK     C47
1716          KM       ADD HYDROGRAPHS AT C47.
1717          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1718          KK     48
1719          KM        RUNOFF FROM SUBWATERSHED 48.
1720          BA   9.63
1721          LS            79
1722          UK    200   .030     .12     100
1723          RK  11000  .0204     .05     .59    TRAP      10      30
1724          RK  43800  .0204     .05            TRAP      30      50

1725          KK     49
1726          KM        RUNOFF FROM SUBWATERSHED 49.
1727          BA    .57
1728          LS            72
1729          UK    200   .020     .12     100
1730          RK   2500  .0122     .05     .14    TRAP       0      30
1731          RK  12125  .0122     .05            TRAP      10      15

1732          KK    C49
1733          KM        ADD HYDROGRAPHS AT C49.
1734          HC      4

1735          KK     50
1736          KM        RUNOFF FROM SUBWATERSHED 50.
1737          BA    .32
1738          LS            72
1739          UK    200   .020     .13     100
1740          RK   1600  .0121     .05     .07    TRAP       0      25
1741          RK   6625  .0121     .05            TRAP      10      20

1742          KK    C50
1743          KM        ADD HYDROGRAPHS AT C50.
1744          HC      2

1745          KK    C50
1746          KM        STORAGE ROUTE THROUGH C50.  THIS IS THE COMBINED STORAGE OF THE
1747          KM        CONCRETE OVERCHUTES ON THE CAP THAT INCLUDE AREAS 42-50.
1748          RS      1    STOR       0       0
1749          SV      0   93.89  690.42 2093.28 3202.77    3757    4312
1750          SQ      0     725    2295    3590    7835   14995   24446
1751          SE 1540.0    1544    1548    1552    1554    1555    1556

1752          KK    C50
1753          KM        DIVERT FLOW OVER ROAD TO C53.
1754          DT  DIV50
1755          DI      0    2295    3590    7835   14995   24446
1756          DQ      0       0     125    2150    7300   12850

1757          KK    C42
1758          KM        DIVERT REMAINDER OF FLOW TO C42.  72" CONCRETE OVERCHUTE ON THE CAP.
1759          DT  DIV42
1760          DI      0     725    2295    3465    5685    7695   11596
1761          DQ      0      50     225     360     420     455     478
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1762          KK    C43
1763          KM       DIVERT REMAINDER OF FLOW TO C43.  72" CONCRETE OVERCHUTE ON THE CAP.
1764          DT   DIV43
1765          DI      0     675    2070    3105    5265    7240   11118
1766          DQ      0      65     240     370     430     455    2069

1767          KK    C44
1768          KM       DIVERT REMAINDER OF FLOW TO C44.  72" CONCRETE OVERCHUTE ON THE CAP.
1769          DT   DIV44
1770          DI      0     610    1830    2735    4835    6785    9049
1771          DQ      0      75     240     380     425     455     478

1772          KK    C45
1773          KM       DIVERT REMAINDER OF FLOW TO C45.  72" CONCRETE OVERCHUTE ON THE CAP.
1774          DT   DIV45
1775          DI      0     535    1590    2355    4410    6330    8571
1776          DQ      0      85     260     385     430     455     478

1777          KK    C46
1778          KM       DIVERT REMAINDER OF FLOW TO C46.
1779          DT   DIV46
1780          DI      0     445    1330    1970    3980    5875    8093
1781          DQ      0      90     250     400    2240    4055    6178

1782          KK    C47
1783          KM       DIVERT REMAINDER OF FLOW TO C47.  72" CONCRETE OVERCHUTE ON THE CAP.
1784          DT   DIV47
1785          DI      0     335    1080    1570    1740    1820    1915
1786          DQ      0      90     270     395     435     455     479

1787          KK    C48
1788          KM       DIVERT REMAINDER OF FLOW TO C48.  72" CONCRETE OVERCHUTE ON THE CAP.
1789          DT   DIV48
1790          DI      0     265     810    1175    1305    1365    1436
1791          DQ      0      90     270     395     435     455     479

1792          KK    C49
1793          KM       DIVERT REMAINDER OF FLOW TO C49.  72" CONCRETE OVERCHUTE ON THE CAP.
1794          DT   DIV49
1795          DI      0     175     540     780     870     910     957
1796          DQ      0      95     280     400     445     455     479

1797          KK   C50A
1798          KM       DIVERT REMAINDER OF FLOW TO C50A.
1799          KM       THIS DIVERTED FLOW IS ACTUALLY THE REMAINDER OF THE FLOW GOING THROUGH
1800          KM       THE 72" PIPE OVERCHUTE AT C50.  THE REMAINING DISCHARGE AFTER THE LAST
1801          KM       DIVERT IS ZERO.  THIS WAS DONE BECAUSE THE HEC-1 MODEL IS A STRAIGHT
1802          KM       FORWARD OPERATION AND DOES NOT ALLOW YOU TO PICK UP FLOWS THAT ARE LEFT
1803          KM       BEHIND ANOTHER OPERATION UNLESS IT ADDS UP DIRECTLY WITH THE CURRENT
1804          KM       OPERATION.  FOR THIS REASON THE REMAINING ZERO HYDROGRAPH WILL BE ADDED
1805          KM       TO THE FOLLOWING OPERATION WITHOUT CHANGING THE DISCHARGE, THUS KEEPING
1806          KM       THE INTEGRITY OF THE MODEL.  THIS ALSO ENABLES THE MODEL TO CONTINUE IN
1807          KM       AN ORDERLY FASHION, EVEN THOUGH THIS IS NOT THE ACTUAL CONCENTRATION
1808          KM       POINT FOR THE REMAINING ZERO HYDROGRAPH AT C52A.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1809          DT  DIV50A
1810          DI       0      85     260     380     425     455     478
1811          DQ       0      85     260     380     425     455     478

1812          KK     C42
1813          KM        RETURN DIVERT AT C42.
1814          DR   DIV42

1815          KK    C106
1816          KM        ROUTE FLOW AT C42 TO C106.
1817          RM       1     .24      .2

1818          KK     106
1819          KM        RUNOFF FROM SUBWATERSHED 106.
1820          BA     .06
1821          LS       0      72       0
1822          UK     400    .012     .10     100
1823          RK    2500   .0088     .05     .06    TRAP       0      25

1824          KK    C106
1825          KM        ADD HYDROGRAPHS AT C106.
1826          HC       2

1827          KK   C102A
1828          KM        ROUTE FLOW FROM C106 TO C102A.
1829          RM       1    1.47      .2

1830          KK   C102A
1831          KM        ADD HYDROGRAPHS AT C102A.
1832          HC       2

1833          KK     C43
1834          KM        RETURN DIVERT AT C43.
1835          DR   DIV43

1836          KK    C107
1837          KM        ROUTE DIVERTED FLOW AT C43 TO C107.
1838          RM       1     .43      .2

1839          KK     107
1840          KM        RUNOFF FROM SUBWATERSHED 107.
1841          BA     .32
1842          LS       0      72       0
1843          UK     250    .011     .10     100
1844          RK    2800   .0082     .07     .10    TRAP       0      25
1845          RK    6200   .0082     .06            TRAP      35      20

1846          KK    C107
1847          KM        ADD HYDROGRAPHS AT C107.
1848          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1849          KK   C102A
1850          KM        ROUTE FLOW AT C107 TO C102A.
1851          RM       1     .89      .2

1852          KK   C102A
1853          KM        ADD HYDROGRAPHS AT C102A.
1854          HC       2

1855          KK     108
1856          KM        RUNOFF FROM SUBWATERSHED 108.
1857          BA     .67
1858          LS       0      72       0
1859          UK     300    .012     .10     100
1860          RK    2900   .0093     .07     .16    TRAP       0      20
1861          RK    7600   .0093     .05     .67    TRAP      15      15

1862          KK   C102A
1863          KM        ROUTE FLOW AT C108 TO C102A.
1864          RM       1     .71      .2

1865          KK   C102A
1866          KM        ADD HYDROGRAPHS AT C102A.
1867          HC       2

1868          KK     109
1869          KM        RUNOFF FROM SUBWATERSHED 109.
1870          BA     .12
1871          LS       0      72       0
1872          UK     100    .012     .10     100
1873          RK     800   .0088     .06     .06    TRAP       0      10
1874          RK    4300   .0088     .05            TRAP       0      15

1875          KK   C102A
1876          KM        ROUTE FLOW AT C109 TO C102A.
1877          RM       1     .92      .2

1878          KK   C102A
1879          KM        ADD HYDROGRAPHS AT C102A.
1880          HC       3

1881          KK    C102
1882          KM        ROUTE FLOW FROM C102A TO C102.
1883          RM       1     .51      .2

1884          KK     102
1885          KM        RUNOFF FROM SUBWATERSHED 102.
1886          BA     .72
1887          LS       0      77       0
1888          UK     300    .009     .10     100
1889          RK    2500   .0059     .06     .18    TRAP       0      25
1890          RK   10400   .0059     .05     .72    TRAP      30      20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1891          KK    C102
1892          KM        ADD HYDROGRAPHS AT C102.
1893          HC       2

1894          KK     98A
1895          KM        RUNOFF FROM SUBWATERSHED 98A.
1896          BA    1.33
1897          LS       0      72       0
1898          UK     200     .01     .12     100
1899          RK    5500   .0081     .06     .24    TRAP       0      30
1900          RK   13200   .0081     .05    1.33    TRAP      20      25

1901          KK    C102
1902          KM        ROUTE FLOW FROM C98A TO C102.
1903          RM       1    1.44      .2

1904          KK      98
1905          KM        RUNOFF FROM SUBWATERSHED 98.
1906          BA    1.01
1907          LS       0      72       0
1908          UK     200    .008     .13     100
1909          RK    3200   .0056     .06     .20    TRAP       0      25
1910          RK   13100   .0056     .05    1.01    TRAP      70      20

1911          KK    C102
1912          KM        ADD HYDROGRAPHS AT C102.
1913          HC       2

1914          KK    C102
1915          KM        ADD HYDROGRAPHS AT C102.
1916          HC       2

1917          KK     C97
1918          KM        ROUTE FLOW FROM C102 TO C97.
1919          RM       1     .58      .2

1920          KK     97A
1921          KM        RUNOFF FROM SUBWATERSHED 97A.
1922          BA     .81
1923          LS       0      72       0
1924          UK     200    .009     .13     100
1925          RK    3800   .0063     .06     .27    TRAP       0      45
1926          RK   12600   .0063     .05     .81    TRAP      20      40

1927          KK     C97
1928          KM        ROUTE FLOW FROM C97A TO C97.
1929          RM       1    2.28      .2

1930          KK     C97
1931          KM        ADD HYDROGRAPHS AT C97.
1932          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1933          KK     100
1934          KM        RUNOFF FROM SUBWATERSHED 100.
1935          BA     .74
1936          LS       0      82       0
1937          UK     250    .009     .13     100
1938          RK    2200   .0061     .06     .12    TRAP       0      60
1939          RK    9150   .0061     .05     .74    TRAP      20      55

1940          KK     C97
1941          KM        ROUTE FLOW FROM C100 TO C97.
1942          RM       1     .36      .2

1943          KK     C97
1944          KM        ADD HYDROGRAPHS AT C97.
1945          HC       2

1946          KK      97
1947          KM        RUNOFF FROM SUBWATERSHED 97.
1948          BA    1.97
1949          LS       0      72       0
1950          UK     300    .007     .12     100
1951          RK    4400   .0045     .06     .25    TRAP       0      45
1952          RK   14600   .0045     .05            TRAP      40      40

1953          KK     C97
1954          KM        ADD HYDROGRAPHS AT C97.
1955          HC       2

1956          KK     C44
1957          KM        RETURN DIVERT AT C44.
1958          DR   DIV44

1959          KK    C110
1960          KM        ROUTE FLOW FROM C44 TO C110.
1961          RM       1    1.40      .2

1962          KK     110
1963          KM        RUNOFF FROM SUBWATERSHED 110.
1964          BA    2.06
1965          LS       0      72       0
1966          UK     250     .01     .10     100
1967          RK    3800    .008     .07     .40    TRAP       0      25
1968          RK   14800    .008     .05            TRAP      20      20

1969          KK    C110
1970          KM        ADD HYDROGRAPHS AT C110.
1971          HC       2

1972          KK     C45
1973          KM        RETURN DIVERT AT C45.
1974          DR   DIV45
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1975          KK    C110
1976          KM        ROUTE FLOW FROM C45 TO C110.
1977          RM      1    1.39      .2

1978          KK    C110
1979          KM        ADD HYDROGRAPHS AT C110.
1980          HC      2

1981          KK    C101
1982          KM        ROUTE FLOW FROM C110 TO C101.
1983          RM      1     .88      .2

1984          KK     101
1985          KM        RUNOFF FROM SUBWATERSHED 101.
1986          BA    1.65
1987          LS      0      78       0
1988          UK    300    .003     .10     100
1989          RK   4000   .0068     .06     .33    TRAP      0      35
1990          RK   9900   .0068     .05            TRAP     20      30

1991          KK    C101
1992          KM        ADD HYDROGRAPHS AT C101.
1993          HC      2

1994          KK     111
1995          KM        RUNOFF FROM SUBWATERSHED 111.
1996          BA     .35
1997          LS      0      72       0
1998          UK    200    .011     .10     100
1999          RK   2700   .0082     .06     .11    TRAP      0      25
2000          RK   6500   .0082     .05     .35    TRAP     15      20

2001          KK    C101
2002          KM        ROUTE FLOW AT C111 TO C101.
2003          RM      1    1.81      .2

2004          KK    C101
2005          KM        ADD HYDROGRAPHS AT C101.
2006          HC      2

2007          KK     112
2008          KM        RUNOFF FROM SUBWATERSHED 112.
2009          BA    1.34
2010          LS      0      72       0
2011          UK    200    .012     .10     100
2012          RK   2900   .0093     .07     .34    TRAP      0      25
2013          RK  12100   .0093     .05            TRAP     15      20

2014          KK    C101
2015          KM        ROUTE FLOW FROM C112 TO C101.
2016          RM      1     .39      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2017          KK    C101
2018          KM       ADD HYDROGRAPHS AT C101.
2019          HC      2

2020          KK     113
2021          KM       RUNOFF FROM SUBWATERSHED 113.
2022          BA    .59
2023          LS      0      72       0
2024          UK    200     .01     .10     100
2025          RK   2500   .0068     .06     .20    TRAP       0      25
2026          RK  15250   .0068     .05     .59    TRAP      10      20

2027          KK    C101
2028          KM       ROUTE FLOW AT C113 TO C101.
2029          RM      1     .36      .2

2030          KK    C101
2031          KM       ADD HYDROGRAPHS AT C101.
2032          HC      2

2033          KK     114
2034          KM       RUNOFF FROM SUBWATERSHED 114.
2035          BA    .08
2036          LS      0      72       0
2037          UK    200    .011     .10     100
2038          RK   3200   .0075     .05     .08    TRAP      10      20

2039          KK    C101
2040          KM       ROUTE FLOW AT C114 TO C101.
2041          RM      1     .37      .2

2042          KK    C101
2043          KM       ADD HYDROGRAPHS AT C101.
2044          HC      2

2045          KK     C97
2046          KM       ROUTE FLOW FROM C101 TO C97.
2047          RM      1     .46      .2

2048          KK     C97
2049          KM       ADD HYDROGRAPHS AT C97.
2050          HC      2

2051          KK      99
2052          KM       RUNOFF FROM SUBWATERSHED 99.
2053          BA    .29
2054          LS      0      77       0
2055          UK    150    .006     .10     100
2056          RK   1800   .0046     .06     .15    TRAP       0      55
2057          RK   4800   .0046     .05     .29    TRAP      10      50
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2058          KK     C97
2059          KM        ADD HYDROGRAPHS AT C97.
2060          HC       3

2061          KK     C97
2062          KM        STORAGE ROUTE THROUGH C97.  MCMICKEN DAM OUTLET AND SPILLWAY RATING
2063          KM        CURVES ARE USED HERE.
2064          RS       1    STOR       0       0
2065          SV       0    1370    5505   17501   20816   25623   30850   36611   38754   39849
2066          SQ       0     675     810    4080    4325   21150   47400   81650   93160   99300
2067          SE    1335    1340    1345  1352.5 1353.65 1355.65 1357.65 1359.65 1360.35  1360.7
2068          ST  1360.7   12775    3.05     1.5

2069          KK     C97
2070          KM        DIVERT FLOW AT C97.
2071          DT   DIV97
2072          DI       0    4325   21150   47400   81650   93160   99300
2073          DQ       0       0   16500   42500   76500   87900   94000

2074          KK    C119
2075          KM        ROUTE FLOW FROM C97 TO C119.
2076          RM       1    2.82      .2

2077          KK     115
2078          KM        RUNOFF FROM SUBWATERSHED 115.
2079          BA     .05
2080          LS       0      77       0
2081          UK     200    .011     .10     100
2082          RK    2400   .0075     .05     .05    TRAP      10      20

2083          KK    C103
2084          KM        ROUTE FLOW AT C115 TO C103.
2085          RM       1     .97      .2

2086          KK     C97
2087          KM        RETURN DIVERT AT C97.
2088          DR   DIV97

2089          KK    C103
2090          KM        ROUTE DIVERTED FLOW AT C97 TO C103.
2091          RM       1     .17      .2

2092          KK    C103
2093          KM        ADD HYDROGRAPHS AT C103.
2094          HC       2

2095          KK     103
2096          KM        RUNOFF FROM SUBWATERSHED AT C103.
2097          BA     .32
2098          LS       0      78       0
2099          UK     250    .009     .10     100
2100          RK    1500   .0082     .06     .15    TRAP       0      65
2101          RK    3900   .0082     .05            TRAP      20      60
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2102          KK    C103
2103          KM        ADD HYDROGRAPHS AT C103.
2104          HC       2

2105          KK    C119
2106          KM        ROUTE FLOW FROM C103 TO C119.
2107          RM       1    4.41      .2

2108          KK     116
2109          KM        RUNOFF FROM SUBWATERSHED 116.
2110          BA    1.00
2111          LS       0      79       0
2112          UK     300   .0095     .10     100
2113          RK    2500   .0064     .06     .20   TRAP      0      25
2114          RK    8400   .0064     .05           TRAP     20      20

2115          KK    C119
2116          KM        ROUTE FLOW AT C116 TO C119.
2117          RM       1     .72      .2

2118          KK    C119
2119          KM        ADD HYDROGRAPHS AT C119.
2120          HC       3

2121          KK     118
2122          KM        RUNOFF FROM SUBWATERSHED 118.
2123          BA    1.39
2124          LS       0      77       0
2125          UK     250    .008     .10     100
2126          RK    3100   .0048     .06     .23   TRAP      0      35
2127          RK   10000   .0048     .05           TRAP     10      30

2128          KK    C119
2129          KM        ROUTE FLOW FROM C118 TO C119.
2130          RM       1    2.74      .2

2131          KK    C119
2132          KM        ADD HYDROGRAPHS AT C119.
2133          HC       2

2134          KK     C46
2135          KM        RETURN DIVERTED FLOW AT C46.
2136          DR   DIV46

2137          KK   C117A
2138          KM        ROUTE FLOW FROM C46 TO C117A.
2139          RM       1    2.25      .2

2140          KK    117A
2141          KM        RUNOFF FROM SUBWATERSHED 117A.
2142          BA    1.72
2143          LS              77
2144          UK     200    .012     .12     100
2145          RK   10500   .0069     .07     .42   TRAP      0      20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2146          RK   24000   .0069     .05            TRAP      25      15

2147          KK   C117A
2148          KM        ADD HYDROGRAPHS AT C117A.
2149          HC       2

2150          KK     C47
2151          KM        RETURN DIVERTED FLOW AT C47.
2152          DR   DIV47

2153          KK   C117D
2154          KM        ROUTE FLOW FROM C47 TO C117D.
2155          RM       1    1.31      .2

2156          KK    117D
2157          KM        RUNOFF FROM SUBWATERSHED 117D.
2158          BA     .55
2159          LS              77
2160          UK     200    .012     .10     100
2161          RK    3000   .0086     .07     .14    TRAP       0      20
2162          RK   14000   .0086     .05     .55    TRAP      25      15

2163          KK   C117D
2164          KM        ADD HYDROGRAPHS AT C117D.
2165          HC       2

2166          KK   C117A
2167          KM        ROUTE FLOW AT C117D TO C117A.
2168          RM       1     .79      .2

2169          KK   C117A
2170          KM        ADD HYDROGRAPHS AT C117A.
2171          HC       2

2172          KK     C48
2173          KM        RETURN DIVERTED FLOW AT C48.
2174          DR   DIV48

2175          KK   C117F
2176          KM        ROUTE FLOW FROM C48 TO C117F.
2177          RM       1     .67      .2

2178          KK    117F
2179          KM        RUNOFF FROM SUBWATERSHED 117F.
2180          BA     .36
2181          LS              77
2182          UK     200    .012     .10     100
2183          RK    3200   .0097     .07     .09    TRAP       0      20
2184          RK    7200   .0097     .05     .36    TRAP      25      15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2185          KK   C117F
2186          KM        ADD HYDROGRAPHS AT C117F.
2187          HC       2

2188          KK    C49
2189          KM        RETURN DIVERTED FLOW AT C49.
2190          DR   DIV49

2191          KK   C117G
2192          KM        ROUTE DIVERTED FLOW AT C49 TO C117G.
2193          RM       1     .74      .2

2194          KK    117G
2195          KM        RUNOFF FROM SUBWATERSHED 117G.
2196          BA    .27
2197          LS              77
2198          UK    200    .012     .10     100
2199          RK   2500   .0087     .07     .07    TRAP      0      20
2200          RK   8000   .0087     .05     .27    TRAP     25      15

2201          KK   C117G
2202          KM        ADD HYDROGRAPHS AT C117G.
2203          HC       2

2204          KK   C117F
2205          KM        ADD HYDROGRAPHS AT C117F.
2206          HC       2

2207          KK   C117E
2208          KM        ROUTE FLOW FROM C117F TO C117E.
2209          RM       1     .56      .2

2210          KK    117E
2211          KM        RUNOFF FROM SUBWATERSHED 117E.
2212          BA    .40
2213          LS              77
2214          UK    200    .012     .10     100
2215          RK   4500   .0098     .07     .10              0      20
2216          RK   8200   .0098     .05     .40             25      15

2217          KK   C117E
2218          KM        ADD HYDROGRAPHS AT C117E.
2219          HC       2

2220          KK   C117B
2221          KM        ROUTE FLOW AT C117E TO C117B.
2222          RM       1     .66      .2

2223          KK    117B
2224          KM        RUNOFF FROM SUBWATERSHED 117B.
2225          BA    .37
2226          LS              77
2227          UK    200    .012     .10     100
2228          RK   3000   .0053     .07     .10                     20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2229          RK    8500   .0053     .05     .37              25      15

2230          KK   C117B
2231          KM        ADD HYDROGRAPHS AT C117B.
2232          HC       2

2233          KK   C117A
2234          KM        ADD HYDROGRAPHS AT C117A.
2235          HC       2

2236          KK    C50A
2237          KM        RETURN DIVERTED FLOW AT C50A.
2238          KM        THIS IS THE DIVERTED DISCHARGE THROUGH THE 72" PIPE OVERCHUTE AT C50.
2239          DR  DIV50A

2240          KK   C117C
2241          KM        ROUTE DIVERTED FLOW AT C50A TO C117C.
2242          RM       1    1.88      .2

2243          KK    117C
2244          KM        RUNOFF FROM SUBWATERSHED 117C.
2245          BA    1.47
2246          LS              77
2247          UK     200    .012     .10     100
2248          RK    8000   .0090     .07     .37                      20
2249          RK   18900   .0090     .05    1.47              25      15

2250          KK   C117C
2251          KM        ADD HYDROGRAPHS AT C117C.
2252          HC       2

2253          KK   C117A
2254          KM        ADD HYDROGRAPHS AT C117A.
2255          HC       2

2256          KK    C117
2257          KM        ROUTE FLOW FROM C117A TO C117.
2258          RM       1     .40      .2

2259          KK     117
2260          KM        RUNOFF FROM SUBWATERSHED 117.
2261          BA     .94
2262          LS       0      77       0
2263          UK     200    .012     .10     100
2264          RK    3500   .0083     .07     .24    TRAP       0      20
2265          RK   12000   .0083     .05     .94    TRAP      15      15

2266          KK    C117
2267          KM        ADD HYDROGRAPHS AT C117.
2268          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2269          KK    C120
2270          KM       ROUTE FLOW AT C117 TO C120.
2271          RM      1     .17      .2

2272          KK     51
2273          KM       RUNOFF FROM SUBWATERSHED 51.
2274          BA    .48
2275          LS            72
2276          UK    200    .020     .12     100
2277          RK   2200   .0122     .05     .16    TRAP            20
2278          RK  10500   .0122     .05            TRAP     10     15

2279          KK    52A
2280          KM       RUNOFF FROM SUBWATERSHED 52A.
2281          BA   4.32
2282          LS            86
2283          UI      0     211     637    1367    1995    2307    2202    1619    1268    1069
2284          UI    763     622     512     471     382     289     231     143     135      99
2285          UI     75      71      68      62      34      33      32      30       0       0

2286          KK    C52
2287          KM       ROUTE FLOW FROM C52A TO C52.
2288          RM      1    1.65      .2

2289          KK    52B
2290          KM       RUNOFF FROM SUBWATERSHED 52B.
2291          BA   4.92
2292          LS            85
2293          UI      0     275     921    1963    2628    2875    2346    1761    1439     971
2294          UI    799     639     583     444     354     230     173     152      95      90
2295          UI     85      78      43      41      39      25       0       0       0       0

2296          KK   C52C
2297          KM       ROUTE FLOW FROM C52B TO C52C.
2298          RM      1     .07      .2

2299          KK    52C
2300          KM       RUNOFF FROM SUBWATERSHED 52C.
2301          BA   5.77
2302          LS            85
2303          UI      0     159     372     735    1236    1759    1956    2153    2153    1782
2304          UI   1478    1233    1057     946     717     667     503     476     449     425
2305          UI    335     273     260     185     134     129     139      74      71      69
2306          UI     66      64      62      53      32      31      30      30      29      17
2307          UI      0       0       0       0       0       0       0       0       0       0

2308          KK   C52C
2309          KM       ADD HYDROGRAPHS AT C52C.
2310          HC      2
```

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

2311          KK    C52C
2312          KM        ROUTE FLOW FROM C52C TO C52.
2313          RM       1     .73      .2

2314          KK      52
2315          KM        RUNOFF FROM SUBWATERSHED 52.
2316          BA    5.93
2317          LS             79
2318          UK     300    .025     .12     100
2319          RK   10000   .0146     .05     .45    TRAP            15
2320          RK   43000   .0146     .05            TRAP     75     15

2321          KK     C52
2322          KM        ADD HYDROGRAPHS AT C52.
2323          HC       3

2324          KK      53
2325          KM        RUNOFF FROM SUBWATERSHED 53.
2326          BA    1.64
2327          LS             82
2328          UI       0     57    116    161    268    357    518    651    792    963
2329          UI    1038    981   1114   1114   1114   1114    904    806    760    724
2330          UI     590    562    535    567    390    374    359    346    297    261
2331          UI     252    244    236    229    222    216    183    145    141    138
2332          UI     134    133     72     70     69     67     66     64     68     38
2333          UI      37     37     36     35     35     34     33     33     32     45
2334          UI      17     17     17     16     16     16     16     15     15     15
2335          UI      15     10      0      0      0      0      0      0      0      0

2336          KK     C50
2337          KM        RETURN DIVERT AT C50.
2338          DR   DIV50

2339          KK     C53
2340          KM        ADD HYDROGRAPHS AT C53.
2341          HC       4

2342          KK     C53
2343          KM        STORAGE ROUTE THROUGH C53.  THIS IS THE TOTAL STORAGE DISCHARGE TABLE
2344          KM        BEHIND THE CAP THAT INCLUDES AREAS 51-53.
2345          RS       1    STOR      0      0
2346          SV      13      26     244    682   1333   1769   1987   2205
2347          SQ       0      66    1289   2760   3690   4085   7333  30284
2348          SE  1538.8    1540    1544   1548   1552   1554   1555   1556

2349          KK     C54
2350          KM        DIVERT FLOW OVER END PLUG TO C54.
2351          DT   DIV54
2352          DI       0    4085    7333  30284
2353          DQ       0       0    3050  25803
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2354          KK    C51
2355          KM       DIVERT FLOW AT C53 TO C51.  72" CONCRETE OVERCHUTE ON CAP.
2356          DT   DIV51
2357          DI      0      66    1289    2760    3690    4085    4283    4481
2358          DQ      0       0      80     260     390     430     475     497

2359          KK   C52P1
2360          KM       DIVERT FLOW AT C53 TO C52P1.  4-72" CONCRETE OVERCHUTES ON CAP.
2361          DT  DI52P1
2362          DI      0      66    1209    2500    3300    3655    3808    3984
2363          DQ      0      32     579    1240    1640    1800    1904    1988

2364          KK   C52P2
2365          KM       DIVERT FLOW AT C53 TO C52P2.  72" CONCRETE OVERCHUTE ON CAP.
2366          DT  DI52P2
2367          DI      0      34     630    1260    1660    1855    1904    1996
2368          DQ      0      10     150     315     415     460     476     499

2369          KK    C53
2370          KM        DIVERT REMAINDER OF FLOW AT C53.  3-72" CONCRETE OVERCHUTES ON CAP.
2371          KM       THIS IS THE SAME SITUATION AS DESCRIBED ABOVE AT THE DIVERT OF C50A.
2372          KM       THE REMAINING HYDROGRAPH IS ZERO, THUS IT WILL BE ADDED IN THE FOLLOWING
2373          KM       OPERATION WITHOUT CHANGING THE DISCHARGE EVEN THOUGH THIS IS AN INCOR-
2374          KM       RECT CONCENTRATION POINT FOR THE FLOW.  THE ACTUAL FLOW IS DIVERTED TO
2375          KM       THE CORRECT CONCENTRATION POINT AND ADDED IN AT C123.
2376          DT   DIV53
2377          DI      0      24     480     945    1245    1395    1428    1497
2378          DQ      0      24     480     945    1245    1395    1428    1497

2379          KK    C51
2380          KM       RETURN DIVERTED FLOW AT C51.
2381          DR   DIV51

2382          KK   C120
2383          KM       ROUTE DIVERTED FLOW AT C51 TO C120.
2384          RM      1    2.16      .2

2385          KK   C120
2386          KM       ADD HYDROGRAPHS AT C120.
2387          HC      2

2388          KK    120
2389          KM       RUNOFF FROM SUBWATERSHED 120.
2390          BA   2.22
2391          LS      0      78       0
2392          UK    200    .011     .12     100
2393          RK   3000   .0084     .07     .22    TRAP      0      15
2394          RK  23000   .0084     .05            TRAP     15      10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2395          KK    C120
2396          KM        ADD HYDROGRAPHS AT C120.
2397          HC       3

2398          KK    C120
2399          KM        STORAGE ROUTE THROUGH C120. 105' WIDE SIPHON ON THE BEARDSLEY CANAL.
2400          RS       1    STOR       0       0
2401          SV       0    2.57   30.26      56
2402          SQ       0     893    5416   14566
2403          SE    1334    1336    1340    1341

2404          KK    C119
2405          KM        ROUTE FLOW AT C120 TO C119.
2406          RM       1     .17      .2

2407          KK    C119
2408          KM        ADD HYDROGRAPHS AT C119.
2409          HC       2

2410          KK     119
2411          KM        RUNOFF FROM SUBWATERSHED 119.
2412          BA     .96
2413          LS       0      77       0
2414          UK     200    .011     .12     100
2415          RK    1400   .0084     .06     .08    TRAP      0      10
2416          RK   18500   .0009     .03            TRAP     90      35

2417          KK    C119
2418          KM        ADD HYDROGRAPHS AT C119.
2419          HC       2

2420          KK    C121
2421          KM        ROUTE FLOW FROM C119 TO C121.
2422          RM       1     .47      .2

2423          KK   C52P1
2424          KM        RETURN DIVERT AT C52P1.
2425          DR  DI52P1

2426          KK   C124A
2427          KM        ROUTE DIVERTED FLOW AT C52P1 TO C124A.
2428          RM       1     .60      .2

2429          KK    124A
2430          KM        RUNOFF FROM SUBWATERSHED 124A.
2431          BA    1.31
2432          LS             73
2433          UK     200    .015     .10     100
2434          RK    5500   .0118     .06     .14                    10
2435          RK   10400   .0103     .05    1.31            30      10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2436          KK   C124A
2437          KM        ADD HYDROGRAPHS AT C124A.
2438          HC       2

2439          KK    C124
2440          KM        ROUTE FLOW FROM C124A TO C124.
2441          RM       1     .26      .2

2442          KK   C52P2
2443          KM        RETURN DIVERTED FLOW AT C52P2.
2444          DR  DI52P2

2445          KK   C124B
2446          KM        ROUTE FLOW AT C52P2 TO C124B.
2447          RM       1    1.07      .2

2448          KK    124B
2449          KM        RUNOFF FROM SUBWATERSHED 124B.
2450          BA     .90
2451          LS             72
2452          UK     200    .014     .10     100
2453          RK    3800   .0105     .05     .14                    10
2454          RK   12400   .0105     .05     .90                    15

2455          KK   C124B
2456          KM        ADD HYDROGRAPHS AT C124B.
2457          HC       2

2458          KK    C124
2459          KM        ROUTE FLOW FROM C124B TO C124.
2460          RM       1     .11      .2

2461          KK     124
2462          KM        RUNOFF FROM SUBWATERSHED 124.
2463          BA     .86
2464          LS             74
2465          UK     200    .015     .10     100
2466          RK    4300   .0086     .05     .10                    10
2467          RK   11000   .0086     .05     .86             30      5

2468          KK    C124
2469          KM        ADD HYDROGRAPHS AT C124.
2470          HC       3

2471          KK    C124
2472          KM        STORAGE ROUTE THROUGH LAKE BONITA.
2473          RS       1    ELEV    1411       0
2474          SV       0   40.76   125.9  236.89  286.63  604.92  647.69
2475          SQ       0       0       0       0     260   13685   21000
2476          SE    1400    1404    1408    1411    1412  1416.5    1417
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2477          KK    C123
2478          KM        ROUTE FLOW AT C124 TO C123.
2479          RM      1     .59      .2

2480          KK     C53
2481          KM         RETURN DIVERTED FLOW AT C53.
2482          KM        THIS IS THE REMAINGING DIVERTED FLOW THROUGH THE PIPE OVERCHUTE AT C53,
2483          KM        AND IT WILL BE ROUTED TO THE CORRECT CONCENTRATION POINT AT C123.
2484          DR   DIV53

2485          KK   C123B
2486          KM        ROUTE DIVERTED FLOW AT C53 TO C123B.
2487          RM      1     .33      .2

2488          KK   C123B
2489          KM        RUNOFF FROM SUBWATERSHED 123B.
2490          BA    .25
2491          LS             76
2492          UK    350    .014     .10     100
2493          RK   5500   .0136     .05     .25              40      10

2494          KK   C123B
2495          KM        ADD HYDROGRAPHS AT C123B.
2496          HC      2

2497          KK     54
2498          KM        RUNOFF FROM SUBWATERSHED 54.
2499          BA    .85
2500          LS             81
2501          UI      0      94     236     486     797    1096    1116    1186    1011     811
2502          UI    657     569     464     380     309     266     249     234     177     149
2503          UI    140      75      72      69      53      39      38      36      35      37
2504          UI     18      17      17      16      16       7       0       0       0       0

2505          KK     C54
2506          KM        STORAGE ROUTE THROUGH C54.  72" CONCRETE OVERCHUTE ON CAP.
2507          RS      1    STOR       0       0
2508          SV      0   11.77   32.99   84.19  209.89  316.48
2509          SQ      0     240     395     465     520     550
2510          SE  1516.1    1524    1528    1532    1536    1538

2511          KK   C123C
2512          KM        ROUTE FLOW AT C54 TO C123C.
2513          RM      1     .43      .2

2514          KK    123C
2515          KM        RUNOFF FROM SUBWATERSHED 123C.
2516          BA    .25
2517          LS             79
2518          UK    350    .014     .10     100
2519          RK   5000   .0110     .05     .25              30      10
```

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

2520          KK   C123C
2521          KM        ADD HYDROGRAPHS AT C123C.
2522          HC       2

2523          KK   C123B
2524          KM        ADD HYDROGRAPHS AT C123B.
2525          HC       2

2526          KK   C123A
2527          KM        ROUTE FLOW FROM C123B TO C123A.
2528          RM       1     .71      .2

2529          KK    123A
2530          KM        RUNOFF FROM SUBWATERSHED 123A.
2531          BA    .94
2532          LS              76
2533          UK    200    .014     .10     100
2534          RK   5100   .0105     .05     .22                     15
2535          RK  12400   .0105     .05     .94            40       10

2536          KK   C123A
2537          KM        ADD HYDROGRAPHS AT C123A.
2538          HC       2

2539          KK    C123
2540          KM        ROUTE FLOW FROM C123A TO C123.
2541          RM       1     .61      .2

2542          KK     123
2543          KM        RUNOFF FROM SUBWATERSHED 123.
2544          BA   3.98
2545          LS       0      79       0
2546          UK    250    .011     .11     100
2547          RK   4400    .008     .06     .26   TRAP      0       15
2548          RK  23500    .008     .05           TRAP     40       10

2549          KK    C123
2550          KM        ADD HYDROGRAPHS AT C123.
2551          HC       2

2552          KK    C123
2553          KM        ADD HYDROGRAPHS AT C123.
2554          HC       2

2555          KK    C123
2556          KM        STORAGE ROUTE THROUGH C123.  58' WIDE SIPHON ON THE BEARDSLEY CANAL.
2557          RS       1    STOR       0       0
2558          SV       0   34.78  148.48     190
2559          SQ       0     493    1392    8712
2560          SE    1338    1340    1342    1343
```

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

2561          KK    C121
2562          KM       ROUTE FLOW FROM C123 TO C121.
2563          RM      1     .21      .2

2564          KK    C121
2565          KM       ADD HYDROGRAPHS AT C121.
2566          HC      2

2567          KK     121
2568          KM       RUNOFF FROM SUBWATERSHED 121.
2569          BA    .55
2570          LS      0      77       0
2571          UK    250    .011     .11     100
2572          RK   2300   .0083     .05     .14    TRAP      0      10
2573          RK   4900   .0008     .03            TRAP     80      40

2574          KK    C121
2575          KM       ADD HYDROGRAPHS AT C121.
2576          HC      2

2577          KK    C122
2578          KM       ROUTE FLOW AT C121 TO C122.
2579          RM      1     .69      .2

2580          KK     122
2581          KM       RUNOFF FROM SUBWATERSHED 122.
2582          BA   1.10
2583          LS      0      77       0
2584          UK    200    .011     .11     100
2585          RK   3900   .0083     .05     .16    TRAP      0      15
2586          RK   7700   .0008     .02            TRAP     70      25

2587          KK    C122
2588          KM       ADD HYDROGRAPHS AT C122.
2589          HC      2

2590          KK    C132
2591          KM       ROUTE FLOW AT C122 TO C132.
2592          RM      1     .44      .2

2593          KK     55
2594          KM       RUNOFF FROM SUBWATERSHED 55.
2595          BA   3.27
2596          LS             84
2597          UI      0      80     162     246     391     565     779     979    1228    1344
2598          UI   1308    1468    1468    1468    1403    1097    1026     964     825     744
2599          UI    706     723     510     487     467     447     340     336     324     313
2600          UI    302     292     305     195     189     184     179     174     114      93
2601          UI     90      88      86      84      75      50      49      48      47      46
2602          UI     45      44      43      42      50      23      22      22      21      21
2603          UI     21      20      20      20      19       4       0       0       0       0
```

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

2604          KK     C55
2605          KM        STORAGE ROUTE THROUGH C55.  4-84" CONCRETE OVERCHUTES ON CAP.
2606          RS       1    STOR       0       0
2607          SV       0    3.03    5.45   19.99   64.79
2608          SQ       0    2260    2740    3160    3650
2609          SE  1510.5    1524    1528    1532    1536

2610          KK   C127A
2611          KM        ROUTE FLOW FROM C55 TO C127A.
2612          RM       1     .43      .2

2613          KK    127A
2614          KM        RUNOFF FROM SUBWATERSHED 127A.
2615          BA     .61
2616          LS              82
2617          UK     200    .015     .10     100
2618          RK    4100   .0097     .07     .15                     10
2619          RK    8800   .0097     .05     .61              50      5

2620          KK   C127A
2621          KM        ADD HYDROGRAPHS AT C127A.
2622          HC       2

2623          KK      56
2624          KM        RUNOFF FROM SUBWATERSHED 56.
2625          BA     .48
2626          LS              86
2627          UI       0     101     346     725     935     991     709     542     428     316
2628          UI     230     208     173     124      90      60      54      33      31      29
2629          UI      24      15      14      13       3       0       0       0       0       0

2630          KK     C56
2631          KM        STORAGE ROUTE THROUGH C56.  72" CONCRETE OVERCHUTE ON CAP.
2632          RS       1    STOR       0       0
2633          SV       0    5.66   22.86   44.38    93.0  175.78
2634          SQ       0     260     460     550     620     700
2635          SE  1512.5    1520    1528    1532    1536    1540

2636          KK   C126B
2637          KM        ROUTE FLOW AT C56 TO C127B.
2638          RM       1     .38      .2

2639          KK    127B
2640          KM        RUNOFF FROM SUBWATERSHED 127B.
2641          BA     .25
2642          LS              84
2643          UK     200    .015     .10     100
2644          RK    5600   .0161     .07     .25              30      5
```

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

2645          KK   C127B
2646          KM        ADD HYDROGRAPHS AT C127B.
2647          HC       2

2648          KK   C127A
2649          KM        ADD HYDROGRAPHS AT C127A.
2650          HC       2

2651          KK    C127
2652          KM        ROUTE FLOW FROM C127A TO C127.
2653          RM       1     .48      .2

2654          KK     127
2655          KM        RUNOFF FROM SUBWATERSHED 127.
2656          BA    2.44
2657          LS       0      82       0
2658          UK     300     .02     .12     100
2659          RK    4800   .0109     .07     .20    TRAP      0      10
2660          RK   15800   .0109     .05            TRAP     50       5

2661          KK    C127
2662          KM        ADD HYDROGRAPHS AT C127.
2663          HC       2

2664          KK     126
2665          KM        RUNOFF FROM SUBWATERSHED 126.
2666          BA    1.67
2667          LS       0      80       0
2668          UI       0      45      90     123     177     251     323     444     540     641
2669          UI     747     865     918     823     958     958     958     958     958     732
2670          UI     694     660     630     567     499     478     460     442     417     327
2671          UI     316     306     296     258     226     220     214     208     202     197
2672          UI     192     187     188     127     124     121     119     116     114      91
2673          UI      61      60      59      58      57      56      55      56      33      32
2674          UI      32      31      31      30      30      29      29      28      28      27
2675          UI      39      15      15      14      14      14      14      14      13      13
2676          UI      13      13      13      13       9       0       0       0       0       0

2677          KK    C127
2678          KM        ADD HYDROGRAPHS AT C127.
2679          HC       2

2680          KK    C125
2681          KM        ROUTE FLOW AT C127 TO C125.
2682          RM       1     .10      .2

2683          KK     125
2684          KM        RUNOFF FROM SUBWATERSHED 125.
2685          BA    1.47
2686          LS       0      80       0
2687          UK     200    .015     .12     100
2688          RK    2800   .0081     .07     .20    TRAP      0      10
2689          RK   11200   .0081     .05            TRAP     25       5
```

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

2690          KK    C125
2691          KM       ADD HYDROGRAPHS AT C125.
2692          HC      2

2693          KK    C125
2694          KM       STORAGE ROUTE THROUGH C125.  55' WIDE SIPHON ON THE BEARDSLEY CANAL.
2695          RS      1    STOR       0       0
2696          SV      0    5.96   37.64   74.71     100
2697          SQ      0    1320    3575    4950   15733
2698          SE   1332    1336    1340    1342    1344

2699          KK    C132
2700          KM       ROUTE FLOW AT C125 TO C132.
2701          RM      1     .81      .2

2702          KK     131
2703          KM       RUNOFF FROM SUBWATERSHED 131.
2704          BA    .59
2705          LS      0      77       0
2706          UK    350    .007     .11     100
2707          RK   2900   .0038     .06     .15    TRAP      0     25
2708          RK   7400   .0038     .05            TRAP     15     20

2709          KK    C132
2710          KM       ROUTE FLOW FROM C131 TO C132.
2711          RM      1     .54      .2

2712          KK    C132
2713          KM       ADD HYDROGRAPHS AT C132.
2714          HC      3

2715          KK     132
2716          KM       RUNOFF FROM SUBWATERSHED 132.
2717          BA   1.23
2718          LS      0      78       0
2719          UK    250     .01     .12     100
2720          RK   3600   .0061     .06     .31    TRAP      0     20
2721          RK  14500   .0061     .05            TRAP     50     15

2722          KK    C132
2723          KM       ADD HYDROGRAPHS AT C132
2724          HC      2

2725          KK     133
2726          KM       RUNOFF FROM SUBWATERSHED 133.
2727          BA   1.20
2728          LS      0      87       0
2729          UK    250     .01     .11     100
2730          RK   4000   .0074     .06     .40    TRAP      0     20
2731          RK  12500   .0074     .05            TRAP     10     15
```

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

2732          KK    C132
2733          KM        ADD HYDROGRAPHS AT C132.
2734          HC      2

2735          KK    C134
2736          KM        ROUTE FLOW FROM C132 TO C134.
2737          RM      1     .33      .2

2738          KK     128
2739          KM        RUNOFF FROM SUBWATERSHED 128.
2740          BA    .82
2741          LS      0      77       0
2742          UK    250     .01     .10     100
2743          RK   2100   .0063     .06     .27    TRAP      0     15
2744          RK   6000   .0063     .05            TRAP     10     20

2745          KK    C129
2746          KM        ROUTE FLOW FROM C128 TO C129.
2747          RM      1     .82      .2

2748          KK     129
2749          KM        RUNOFF FROM SUBWATERSHED 129.
2750          BA   1.66
2751          LS      0      77       0
2752          UK    350    .008     .12     100
2753          RK   3200   .0053     .06     .28    TRAP      0     20
2754          RK   9900   .0053     .05            TRAP     10     20

2755          KK    C129
2756          KM        ADD HYDROGRAPHS AT C129.
2757          HC      2

2758          KK    C130
2759          KM        ROUTE FLOW FROM C129 TO C130.
2760          RM      1     .62      .2

2761          KK     130
2762          KM        RUNOFF FROM SUBWATERSHED 130.
2763          BA   1.61
2764          LS      0      78       0
2765          UK    300    .006     .14     100
2766          RK   3200    .003     .06     .32    TRAP      0     20
2767          RK  14700    .003     .02            TRAP     40      3

2768          KK    C130
2769          KM        ADD HYDROGRAPHS AT C130.
2770          HC      2

2771          KK    C134
2772          KM        ROUTE FLOW FROM C130 TO C134.
2773          RM      1     .46      .2
```

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

2774          KK    C134
2775          KM        ADD HYDROGRAPHS AT C134.
2776          HC       2

2777          KK     134
2778          KM        RUNOFF FROM SUBWATERSHED 134.
2779          BA     .77
2780          LS       0      86       0
2781          UK     200    .008     .10     100
2782          RK    2700   .0054     .05     .25    TRAP       0      20
2783          RK   10500   .0054     .02            TRAP     180       3

2784          KK    C134
2785          KM        ADD HYDROGRAPHS AT C134.
2786          HC       2
2787          ZZ
```

SCHEMATIC DIAGRAM OF STREAM NETWORK

```
INPUT
 LINE     (V) ROUTING          (---)) DIVERSION OR PUMP FLOW

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

  20          1
              V
              V
  39        C62L
              .
              .
  42          .        62L
              .          .
              .          .
  49        C62L............
              V
              V
  52        C62I
              .
              .
  55          .        62I
              .          .
              .          .
  62        C62I............
              V
              V
  65        C62H
              .
              .
  68          .        62H
              .          .
              .          .
  75          .          .       62J
              .          .         .
              .          .         .
  82        C62H........................
              V
              V
  85        C62K
              .
              .
  88          .          2
              .          V
              .          V
  94          .       C62M
              .          .
              .          .
  97          .          .       62M
              .          .         .
              .          .         .
 104          .       C62M............
              .          V
              .          V
 107          .       C62K
              .          .
              .          .
 110          .          .         3
              .          .         V
              .          .         V
 116          .          .       C62K
```

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                .         .         .
                .         .         .
119             .         .         .         4
                .         .         .         V
                .         .         .         V
126             .         .         .       C62K
                .         .         .         .
                .         .         .         .
129             .         .         .         .         5
                .         .         .         .         V
                .         .         .         .         V
135             .         .         .         .       C62K
                .         .         .         .         .
                .         .         .         .         .
138          C62K.........................................
                .
                .
141             .         6
                .         V
                .         V
147             .       C62K
                .         .
                .         .
150             .         .         7
                .         .         V
                .         .         V
156             .         .       C62K
                .         .         .
                .         .         .
159             .         .         .       62K
                .         .         .         .
                .         .         .         .
166          C62K...................................
                V
                V
169          C62G
                .
                .
172             .         8
                .         V
                .         V
178             .       C62G
                .         .
                .         .
181             .         .         9
                .         .         V
                .         .         V
187             .         .       C62G
                .         .         .
                .         .         .
190             .         .         .       62G
                .         .         .         .
                .         .         .         .
197          C62G...................................
                V
                V
200          C62E
                .
                .
203             .       62E
                .         .
                .         .
210          C62E............
                .
                .
213             .       10A
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```
                .        V
                .        V
221             .      C10
                .        .
                .        .
224             .        .        10
                .        .         .
                .        .         .
231             .      C10...........
                .        V
                .        V
234             .     C62E
                .        .
                .        .
237             .        .        11
                .        .         .
                .        .         .
244             .        .         .        12
                .        .         .         .
                .        .         .         .
250             .        .       C11...........
                .        .         V
                .        .         V
253             .        .       C62E
                .        .         .
                .        .         .
256             .        .         .        13
                .        .         .         V
                .        .         .         V
263             .        .         .       C62E
                .        .         .         .
                .        .         .         .
266          C62E...............................
                .
                .
269             .       14
                .        V
                .        V
275             .     C62E
                .        .
                .        .
278             .        .        15
                .        .         V
                .        .         V
285             .        .       C62E
                .        .         .
                .        .         .
288             .        .         .        16
                .        .         .         V
                .        .         .         V
295             .        .         .       C62E
                .        .         .         .
                .        .         .         .
298             .        .         .         .        17
                .        .         .         .         V
                .        .         .         .         V
304             .        .         .         .       C62E
                .        .         .         .         .
                .        .         .         .         .
307          C62E.........................................
                .
                .
310             .       18
                .        V
                .        V
316             .     C62E
```

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                .         .
                .         .
319             .         .         1
                .         .         V
                .         .         V
326             .         .       C62E
                .         .         .
                .         .         .
329             .         .         .        20
                .         .         .         V
                .         .         .         V
336             .         .         .       C62E
                .         .         .         .
                .         .         .         .
339             .         .         .         .         21
                .         .         .         .          V
                .         .         .         .          V
345             .         .         .         .       C62E
                .         .         .         .          .
                .         .         .         .          .
348          C62E.........................................
                .
                .
351             .        62F
                .         .
                .         .
358          C62E............
                V
                V
361          C62D
                .
                .
364             .        62D
                .         .
                .         .
371          C62D............
                V
                V
374          C62B
                .
                .
377             .        62B
                .         .
                .         .
384             .         .       62C
                .         .         .
                .         .         .
391          C62B........................
                V
                V
394           C62
                .
                .
397             .        62A
                .         V
                .         V
404             .       C62
                .         .
                .         .
407             .         .        62
                .         .         .
                .         .         .
414           C62........................
                V
                V
417           C62
```

```
                V
                V
423          C83T
                .
                .
426             .        83T
                .          .
                .          .
433          C83T............
                .
                .
436             .        22
                .         V
                .         V
442             .       C63B
                .          .
                .          .
445             .          .        23
                .          .         V
                .          .         V
451             .          .      C63B
                .          .         .
                .          .         .
454             .          .         .        24
                .          .         .         V
                .          .         .         V
460             .          .         .      C63B
                .          .         .         .
                .          .         .         .
463             .          .         .         .        25
                .          .         .         .         V
                .          .         .         .         V
469             .          .         .         .      C63B
                .          .         .         .         .
                .          .         .         .         .
472             .       C63B.................................
                .          .
                .          .
475             .          .       26B
                .          .         V
                .          .         V
484             .          .      C26A
                .          .         .
                .          .         .
487             .          .         .       26A
                .          .         .         .
                .          .         .         .
494             .          .      C26A............
                .          .         V
                .          .         V
497             .          .       C26
                .          .         .
                .          .         .
500             .          .         .        26
                .          .         .         .
                .          .         .         .
507             .          .       C26............
                .          .         V
                .          .         V
510             .          .      C63B
                .          .         .
                .          .         .
513             .          .         .        27
                .          .         .         V
                .          .         .         V
519             .          .         .      C63B
```

```
522                                                 63B
                                                     .
                                                     .
529                 C63B.............................
                      V
                      V
532                 C63C
                      .
                      .
535                       28
                           V
                           V
542                      C63C
                           .
                           .
545                            29
                                V
                                V
551                           C63C
                                .
                                .
554                                          30
                                              V
                                              V
560                                         C63C
                                              .
                                              .
563                                                       31
                                                           V
                                                           V
570                                                      C63C
                                                           .
                                                           .
573                 C63C.........................................
                      .
                      .
576                       32
                           V
                           V
582                      C63C
                           .
                           .
585                            33
                                V
                                V
591                           C63C
                                .
                                .
594                                          63C
                                              .
                                              .
601                 C63C.............................
                      V
                      V
604                 C63
                      .
                      .
607                       63A
                           V
                           V
614                      C63
                           .
                           .
617                            63
```

```
                .          .          .          .
                .          .          .          .
624             .        C63.......................
                .          V
                .          V
627             .        C63
                .          V
                .          V
633             .       C83T
                .          .
                .          .
636             .          .        84T
                .          .          .
                .          .          .
643             .       C83T............
                .          .
                .          .
646          C83T............
               V
               V
649          C78T
                .
                .
652             .        60D
                .          V
                .          V
659             .       C60B
                .          .
                .          .
662             .          .        60B
                .          .          .
                .          .          .
669             .       C60B............
                .          V
                .          V
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675             .          .        60C
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682             .          .       C60A
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1914            .      C102..........
                .         V
                .         V
1917            .      C97
                .         .
                .         .
1920            .         .       97A
                .         .         V
                .         .         V
1927            .         .       C97
                .         .         .
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1930            .      C97...........
                .         .
                .         .
1933            .         .       100
                .         .         V
                .         .         V
1940            .         .       C97
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1943            .      C97...........
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1946            .         .        97
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1953            .       C97............
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1958            .         .         .(-------   DIV44
1956            .         .       C44
                .         .         V
                .         .         V
1959            .         .      C110
                .         .         .
                .         .         .
1962            .         .         .        110
                .         .         .          .
                .         .         .          .
1969            .         .      C110............
                .         .         .
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1974            .         .         .          .(-------   DIV45
1972            .         .         .        C45
                .         .         .          V
                .         .         .          V
1975            .         .         .       C110
                .         .         .          .
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1978            .         .      C110............
                .         .         V
                .         .         V
1981            .         .      C101
                .         .         .
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1984            .         .         .        101
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1991            .         .      C101............
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1994            .         .         .        111
                .         .         .          V
                .         .         .          V
2001            .         .         .       C101
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2004            .         .      C101............
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                .         .         .
2007            .         .         .        112
                .         .         .          V
                .         .         .          V
2014            .         .         .       C101
                .         .         .          .
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2017            .         .      C101............
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                .         .         .
2020            .         .         .        113
                .         .         .          V
                .         .         .          V
2027            .         .         .       C101
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2030            .         .      C101............
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2033            .          .          .        114
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2039            .          .          .       C101
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2042            .          .       C101.............
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2045            .          .        C97
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2048            .        C97.............
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2051            .          .         99
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2058          C97........................
                V
                V
2061          C97
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2071            .-------)   DIV97
2069          C97
                V
                V
2074         C119
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2077            .        115
                .          V
                .          V
2083            .       C103
                .          .
                .          .
2088            .          .          .(-------   DIV97
2086            .          .        C97
                .          .          V
                .          .          V
2089            .          .       C103
                .          .          .
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2092            .       C103............
                .          .
                .          .
2095            .          .        103
                .          .          .
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2102            .       C103............
                .          V
                .          V
2105            .       C119
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2108            .          .        116
                .          .          V
                .          .          V
2115            .          .       C119
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2118         C119........................
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2121          .        118
              .         V
              .         V
2128          .       C119
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2131       C119............
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2136          .         .(-------   DIV46
2134          .       C46
              .         V
              .         V
2137          .      C117A
              .         .
              .         .
2140          .         .       117A
              .         .         .
              .         .         .
2147          .      C117A............
              .         .
              .         .
2152          .         .         .(-------   DIV47
2150          .         .       C47
              .         .         V
              .         .         V
2153          .         .      C117D
              .         .         .
              .         .         .
2156          .         .         .       117D
              .         .         .         .
              .         .         .         .
2163          .         .      C117D............
              .         .         V
              .         .         V
2166          .         .      C117A
              .         .         .
              .         .         .
2169          .      C117A............
              .         .
              .         .
2174          .         .         .(-------   DIV48
2172          .         .       C48
              .         .         V
              .         .         V
2175          .         .      C117F
              .         .         .
              .         .         .
2178          .         .         .       117F
              .         .         .         .
              .         .         .         .
2185          .         .      C117F............
              .         .         .
              .         .         .
2190          .         .         .         .(-------   DIV49
2188          .         .         .       C49
              .         .         .         V
              .         .         .         V
2191          .         .         .      C117G
              .         .         .         .
              .         .         .         .
2194          .         .         .         .       117G
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2201          .         .         .      C117G............
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2204            .         .      C117F............
                .         .         V
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2207            .         .      C117E
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2210            .         .         .       117E
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2217            .         .      C117E............
                .         .         V
                .         .         V
2220            .         .      C117B
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2223            .         .         .       117B
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2230            .         .      C117B............
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2233            .      C117A............
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2239            .         .         .<------- DIV50A
2236            .         .       C50A
                .         .         V
                .         .         V
2240            .         .      C117C
                .         .         .
                .         .         .
2243            .         .         .       117C
                .         .         .         .
                .         .         .         .
2250            .         .      C117C............
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2253            .      C117A............
                .         V
                .         V
2256            .       C117
                .         .
                .         .
2259            .         .        117
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                .         .         .
2266            .       C117............
                .         V
                .         V
2269            .       C120
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2272            .         .         51
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2279            .         .         .       52A
                .         .         .         V
                .         .         .         V
2286            .         .         .       C52
                .         .         .         .
                .         .         .         .
2289            .         .         .         .       52B
                .         .         .         .         V
                .         .         .         .         V
2296            .         .         .         .      C52C
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2299                                                  52C
2308                                            C52C............
                                                  V
                                                  V
2311                                            C52C
2314                                                   52
2321                                        C52......................
2324                                                 53
2338                                                          .<-------  DIV50
2336                                                  C50
2339                                   C53...............................
                                         V
                                         V
2342                                   C53
2351                                   .------->  DIV54
2349                                   C54
2356                                   .------->  DIV51
2354                                   C51
2361                                   .------->  DI52P1
2359                                C52P1
2366                                   .------->  DI52P2
2364                                C52P2
2376                                   .------->  DIV53
2369                                   C53
2381                                            .<-------  DIV51
2379                                        C51
                                              V
                                              V
2382                                       C120
2385                                    C120............
2388                                        120
2395                             C120......................
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                                   V
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2485        .         .      C123B
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2488        .         .        .      C123B
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2494        .         .      C123B............
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2497        .         .        .        54
            .         .        .         V
            .         .        .         V
2505        .         .        .       C54
            .         .        .         V
            .         .        .         V
2511        .         .        .      C123C
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2514        .         .        .        .        123C
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2520        .         .        .      C123C............
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2523        .         .      C123B............
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            .         .        V
2526        .         .      C123A
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2529        .         .        .       123A
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2536        .         .      C123A............
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            .         .        V
2539        .         .       C123
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2542        .         .        .        123
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2549        .         .       C123............
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2552        .       C123............
            .         V
            .         V
2555        .       C123
            .         V
            .         V
2561        .       C121
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2564      C121............
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2567        .        121
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2574      C121............
            V
            V
2577      C122
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2398          .        C120
              .          V
              .          V
2404          .        C119
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2407        C119............
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2410          .         119
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2417        C119............
              V
              V
2420        C121
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2425          .          .(-------  DI52P1
2423          .       C52P1
              .          V
              .          V
2426          .       C124A
              .          .
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2429          .          .       124A
              .          .          .
              .          .          .
2436          .       C124A............
              .          V
              .          V
2439          .        C124
              .          .
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2444          .          .          .(-------  DI52P2
2442          .          .       C52P2
              .          .          V
              .          .          V
2445          .          .       C124B
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2448          .          .          .       124B
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2455          .          .       C124B............
              .          .          V
              .          .          V
2458          .          .        C124
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2461          .          .          .        124
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2468          .        C124........................
              .          V
              .          V
2471          .        C124
              .          V
              .          V
2477          .        C123
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              .          .
2484          .          .          .(-------  DIV53
2480          .          .        C53
              .          .          V
              .          .          V
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2580        .        122
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2587      C122............
            V
            V
2590      C132
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2593        .         55
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            .          V
2604        .        C55
            .          V
            .          V
2610        .      C127A
            .         .
            .         .
2613        .         .        127A
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            .         .          .
2620        .      C127A............
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            .         .
2623        .         .         56
            .         .          V
            .         .          V
2630        .         .        C56
            .         .          V
            .         .          V
2636        .         .      C126B
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2639        .         .          .       127B
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2645        .         .      C127B............
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2648        .      C127A............
            .         V
            .         V
2651        .       C127
            .         .
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2654        .         .        127
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2661        .       C127............
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2664        .         .        126
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2677        .       C127............
            .         V
            .         V
2680        .       C125
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            .         .
2683        .         .        125
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2690        .       C125............
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            .         V
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2693          .        C125
              .          V
              .          V
2699          .        C132
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2702          .          .        131
              .          .          V
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2709          .          .       C132
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2712       C132.......................
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2715          .        132
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2722       C132............
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2725          .        133
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              .          .
2732       C132............
              V
              V
2735       C134
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2738          .        128
              .          V
              .          V
2745          .        C129
              .          .
              .          .
2748          .          .        129
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              .          .          .
2755          .        C129............
              .          V
              .          V
2758          .        C130
              .          .
              .          .
2761          .          .        130
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              .          .          .
2768          .        C130............
              .          V
              .          V
2771          .        C134
              .          .
              .          .
2774       C134............
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2777          .        134
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              .          .
2784       C134............
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(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
****************************************
*                                      *
*  FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*           FEBRUARY 1981              *
*          REVISED 14 JUN 85           *
*                                      *
*      RUN DATE: 07/08/1988            *
*          TIME: 10:42:12.92           *
*                                      *
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****************************************
*                                      *
*    U.S. ARMY CORPS OF ENGINEERS      *
*  THE HYDROLOGIC ENGINEERING CENTER   *
*          609 SECOND STREET           *
*       DAVIS, CALIFORNIA 95616        *
*                                      *
*  (916) 551-1748 OR (FTS) 448-3285    *
*                                      *
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WTMNSPF

THIS IS THE HEC-1 COMPUTER MODEL FOR THE WITTMANN AREA DRAINAGE MASTER STUDY. THIS STUDY IS PREPARED FOR THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY THE WLB GROUP, INC.

THIS PARTICULAR RUN WILL MODEL THE STANDARD PROJECT STORM WITH A CORRESPONDING AREALLY DISTRIBUTED POINT RAINFALL OF 8.6". THIS IS BASED ON THE AREA THAT GETS TO THE MCMICKEN DAM WHICH IS 247 SQ. MILES.

```
19 IO        OUTPUT CONTROL VARIABLES
                  IPRNT          5  PRINT CONTROL
                  IPLOT          0  PLOT CONTROL
                  QSCAL         0.  HYDROGRAPH PLOT SCALE

   IT        HYDROGRAPH TIME DATA
                   NMIN          5  MINUTES IN COMPUTATION INTERVAL
                  IDATE     26JAN87  STARTING DATE
                  ITIME       1200  STARTING TIME
                     NQ        900  NUMBER OF HYDROGRAPH ORDINATES
                 NDDATE     29JAN87  ENDING DATE
                 NDTIME       1455  ENDING TIME

              COMPUTATION INTERVAL    0.08 HOURS
                  TOTAL TIME BASE   74.92 HOURS

       ENGLISH UNITS
           DRAINAGE AREA        SQUARE MILES
           PRECIPITATION DEPTH  INCHES
           LENGTH, ELEVATION    FEET
           FLOW                 CUBIC FEET PER SECOND
           STORAGE VOLUME       ACRE-FEET
           SURFACE AREA         ACRES
           TEMPERATURE          DEGREES FAHRENHEIT

   JP        MULTI-PLAN OPTION
                  NPLAN          1  NUMBER OF PLANS

   JR        MULTI-RATIO OPTION
                RATIOS OF PRECIPITATION
             1.00      0.86
```

```
*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN       0. TO    54560.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN    8237. TO    19605.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN       0. TO    24515.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN       0. TO    14566.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN       0. TO     2260.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN    4950. TO    15733.
               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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PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS
FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES
TIME TO PEAK IN HOURS

					RATIOS APPLIED TO PRECIPITATION	
OPERATION	STATION	AREA	PLAN		RATIO 1	RATIO 2
					1.00	0.86
HYDROGRAPH AT	1	0.09	1	FLOW	30.	24.
				TIME	27.08	27.08
ROUTED TO	C62L	0.09	1	FLOW	29.	23.
				TIME	27.42	27.42
HYDROGRAPH AT	62L	0.36	1	FLOW	113.	90.
				TIME	27.17	27.17
2 COMBINED AT	C62L	0.45	1	FLOW	142.	113.
				TIME	27.17	27.25
ROUTED TO	C62I	0.45	1	FLOW	134.	106.
				TIME	27.67	27.75
HYDROGRAPH AT	62I	0.54	1	FLOW	174.	139.
				TIME	27.33	27.33
2 COMBINED AT	C62I	0.99	1	FLOW	305.	243.
				TIME	27.42	27.50
ROUTED TO	C62H	0.99	1	FLOW	293.	233.
				TIME	27.92	28.08
HYDROGRAPH AT	62H	0.55	1	FLOW	181.	145.
				TIME	27.25	27.25
HYDROGRAPH AT	62J	0.88	1	FLOW	253.	198.
				TIME	27.42	27.50
3 COMBINED AT	C62H	2.42	1	FLOW	709.	561.
				TIME	27.50	27.67
ROUTED TO	C62K	2.42	1	FLOW	707.	560.
				TIME	27.67	27.83
HYDROGRAPH AT	2	0.50	1	FLOW	156.	123.
				TIME	27.17	27.25
ROUTED TO	C62M	0.50	1	FLOW	153.	120.
				TIME	27.42	27.50
HYDROGRAPH AT	62M	0.24	1	FLOW	61.	46.
				TIME	27.17	27.25
2 COMBINED AT	C62M	0.74	1	FLOW	212.	166.
				TIME	27.33	27.42
ROUTED TO	C62K	0.74	1	FLOW	191.	150.
				TIME	28.50	28.67

HYDROGRAPH AT	3	0.35	1	FLOW	120.	96.
				TIME	27.08	27.08
ROUTED TO	C62K	0.35	1	FLOW	100.	80.
				TIME	28.42	28.50
HYDROGRAPH AT	4	0.65	1	FLOW	204.	162.
				TIME	27.25	27.33
ROUTED TO	C62K	0.65	1	FLOW	167.	135.
				TIME	30.75	30.83
HYDROGRAPH AT	5	0.35	1	FLOW	111.	88.
				TIME	27.08	27.08
ROUTED TO	C62K	0.35	1	FLOW	93.	75.
				TIME	30.42	30.42
5 COMBINED AT	C62K	4.51	1	FLOW	1213.	963.
				TIME	28.00	28.33
HYDROGRAPH AT	6	0.03	1	FLOW	10.	8.
				TIME	27.08	27.08
ROUTED TO	C62K	0.03	1	FLOW	8.	7.
				TIME	30.42	30.42
HYDROGRAPH AT	7	0.04	1	FLOW	14.	11.
				TIME	27.08	27.08
ROUTED TO	C62K	0.04	1	FLOW	11.	9.
				TIME	30.50	30.50
HYDROGRAPH AT	62K	1.40	1	FLOW	382.	299.
				TIME	27.58	27.83
4 COMBINED AT	C62K	5.98	1	FLOW	1607.	1272.
				TIME	27.92	28.17
ROUTED TO	C62G	5.98	1	FLOW	1583.	1256.
				TIME	28.50	28.67
HYDROGRAPH AT	8	0.01	1	FLOW	3.	3.
				TIME	27.08	27.08
ROUTED TO	C62G	0.01	1	FLOW	3.	2.
				TIME	30.50	30.50
HYDROGRAPH AT	9	0.08	1	FLOW	27.	22.
				TIME	27.08	27.08
ROUTED TO	C62G	0.08	1	FLOW	21.	17.
				TIME	30.67	30.75
HYDROGRAPH AT	62G	1.86	1	FLOW	548.	430.
				TIME	27.50	27.67
4 COMBINED AT	C62G	7.93	1	FLOW	2106.	1670.
				TIME	28.25	28.50
ROUTED TO	C62E	7.93	1	FLOW	2090.	1659.
				TIME	28.67	28.83
HYDROGRAPH AT	62E	0.68	1	FLOW	199.	157.
				TIME	27.50	27.67

2 COMBINED AT	C62E	8.61	1	FLOW	2266.	1798.
				TIME	28.58	28.75
HYDROGRAPH AT	10A	4.94	1	FLOW	880.	716.
				TIME	27.25	27.25
ROUTED TO	C10	4.94	1	FLOW	767.	623.
				TIME	28.50	28.58
HYDROGRAPH AT	10	3.93	1	FLOW	1148.	898.
				TIME	27.75	28.00
2 COMBINED AT	C10	8.87	1	FLOW	1902.	1514.
				TIME	27.92	28.17
ROUTED TO	C62E	8.87	1	FLOW	1726.	1397.
				TIME	29.42	30.92
HYDROGRAPH AT	11	0.20	1	FLOW	68.	55.
				TIME	27.17	27.17
HYDROGRAPH AT	12	0.00	1	FLOW	1.	1.
				TIME	27.08	27.08
2 COMBINED AT	C11	0.20	1	FLOW	69.	56.
				TIME	27.17	27.17
ROUTED TO	C62E	0.20	1	FLOW	54.	44.
				TIME	30.75	30.75
HYDROGRAPH AT	13	0.10	1	FLOW	33.	26.
				TIME	27.17	27.17
ROUTED TO	C62E	0.10	1	FLOW	26.	21.
				TIME	30.75	30.75
4 COMBINED AT	C62E	17.78	1	FLOW	4011.	3196.
				TIME	29.00	29.17
HYDROGRAPH AT	14	0.01	1	FLOW	3.	3.
				TIME	27.08	27.08
ROUTED TO	C62E	0.01	1	FLOW	3.	2.
				TIME	30.50	30.50
HYDROGRAPH AT	15	0.57	1	FLOW	186.	151.
				TIME	27.25	27.33
ROUTED TO	C62E	0.57	1	FLOW	151.	123.
				TIME	30.75	30.83
HYDROGRAPH AT	16	0.62	1	FLOW	199.	162.
				TIME	27.17	27.25
ROUTED TO	C62E	0.62	1	FLOW	160.	132.
				TIME	30.75	30.83
HYDROGRAPH AT	17	0.05	1	FLOW	17.	14.
				TIME	27.08	27.08
ROUTED TO	C62E	0.05	1	FLOW	14.	11.
				TIME	30.50	30.50
5 COMBINED AT	C62E	19.03	1	FLOW	4323.	3448.
				TIME	29.00	29.17

HYDROGRAPH AT	18	0.04	1	FLOW	14.	11.
				TIME	27.08	27.08
ROUTED TO	C62E	0.04	1	FLOW	11.	9.
				TIME	30.50	30.50
HYDROGRAPH AT	1	0.14	1	FLOW	45.	37.
				TIME	27.17	27.25
ROUTED TO	C62E	0.14	1	FLOW	36.	30.
				TIME	30.75	30.83
HYDROGRAPH AT	20	0.70	1	FLOW	218.	177.
				TIME	27.33	27.33
ROUTED TO	C62E	0.70	1	FLOW	181.	148.
				TIME	30.75	30.75
HYDROGRAPH AT	21	0.02	1	FLOW	5.	4.
				TIME	27.08	27.08
ROUTED TO	C62E	0.02	1	FLOW	4.	3.
				TIME	30.58	30.58
5 COMBINED AT	C62E	19.93	1	FLOW	4547.	3629.
				TIME	29.00	29.17
HYDROGRAPH AT	62F	2.18	1	FLOW	599.	470.
				TIME	27.75	28.08
2 COMBINED AT	C62E	22.11	1	FLOW	5089.	4060.
				TIME	28.83	29.08
ROUTED TO	C62D	22.11	1	FLOW	5086.	4057.
				TIME	29.00	29.25
HYDROGRAPH AT	62D	1.66	1	FLOW	518.	413.
				TIME	27.58	27.67
2 COMBINED AT	C62D	23.77	1	FLOW	5530.	4411.
				TIME	28.92	29.17
ROUTED TO	C62B	23.77	1	FLOW	5508.	4397.
				TIME	29.25	29.50
HYDROGRAPH AT	62B	0.49	1	FLOW	126.	98.
				TIME	27.42	27.58
HYDROGRAPH AT	62C	0.40	1	FLOW	135.	108.
				TIME	27.17	27.25
3 COMBINED AT	C62B	24.66	1	FLOW	5712.	4566.
				TIME	29.25	29.58
ROUTED TO	C62	24.66	1	FLOW	5468.	4405.
				TIME	31.25	31.42
HYDROGRAPH AT	62A	1.58	1	FLOW	494.	392.
				TIME	27.50	27.67
ROUTED TO	C62	1.58	1	FLOW	405.	329.
				TIME	30.83	30.92
HYDROGRAPH AT	62	5.09	1	FLOW	1329.	1032.
				TIME	28.50	28.83

3 COMBINED AT	C62	31.33	1	FLOW	6988.	5602.
				TIME	30.67	30.92
ROUTED TO	C62	31.33	1	FLOW	6964.	5581.
				TIME	30.92	31.17

** PEAK STAGES IN FEET **

			1	STAGE	1552.80	1552.56
				TIME	30.92	31.17
ROUTED TO	C83T	31.33	1	FLOW	6556.	5181.
				TIME	32.25	32.58
HYDROGRAPH AT	83T	1.29	1	FLOW	323.	248.
				TIME	28.58	28.92
2 COMBINED AT	C83T	32.62	1	FLOW	6707.	5293.
				TIME	32.17	32.50
HYDROGRAPH AT	22	0.26	1	FLOW	67.	51.
				TIME	27.25	27.33
ROUTED TO	C63B	0.26	1	FLOW	59.	46.
				TIME	30.58	30.67
HYDROGRAPH AT	23	0.01	1	FLOW	2.	1.
				TIME	27.08	27.08
ROUTED TO	C63B	0.01	1	FLOW	1.	1.
				TIME	30.33	30.33
HYDROGRAPH AT	24	0.01	1	FLOW	2.	1.
				TIME	27.08	27.08
ROUTED TO	C63B	0.01	1	FLOW	1.	1.
				TIME	30.33	30.33
HYDROGRAPH AT	25	0.05	1	FLOW	13.	10.
				TIME	27.08	27.08
ROUTED TO	C63B	0.05	1	FLOW	11.	9.
				TIME	30.50	30.50
4 COMBINED AT	C63B	0.32	1	FLOW	73.	58.
				TIME	30.58	30.58
HYDROGRAPH AT	26B	12.72	1	FLOW	2404.	1980.
				TIME	27.25	27.33
ROUTED TO	C26A	12.72	1	FLOW	2352.	1934.
				TIME	27.58	27.67
HYDROGRAPH AT	26A	2.26	1	FLOW	370.	296.
				TIME	27.17	27.25
2 COMBINED AT	C26A	14.98	1	FLOW	2693.	2205.
				TIME	27.50	27.50
ROUTED TO	C26	14.98	1	FLOW	2589.	2118.
				TIME	28.08	28.17
HYDROGRAPH AT	26	1.12	1	FLOW	280.	216.
				TIME	27.83	28.17
2 COMBINED AT	C26	16.10	1	FLOW	2867.	2334.
				TIME	28.08	28.17

ROUTED TO	C63B	16.10	1	FLOW	2808.	2287.
				TIME	28.67	28.75
HYDROGRAPH AT	27	0.06	1	FLOW	16.	12.
				TIME	27.08	27.08
ROUTED TO	C63B	0.06	1	FLOW	14.	11.
				TIME	30.50	30.50
HYDROGRAPH AT	63B	1.44	1	FLOW	469.	375.
				TIME	27.25	27.33
4 COMBINED AT	C63B	17.92	1	FLOW	3262.	2656.
				TIME	28.58	28.67
ROUTED TO	C63C	17.92	1	FLOW	3242.	2640.
				TIME	28.92	29.00
HYDROGRAPH AT	28	0.24	1	FLOW	67.	52.
				TIME	27.17	27.25
ROUTED TO	C63C	0.24	1	FLOW	48.	38.
				TIME	31.00	31.08
HYDROGRAPH AT	29	0.01	1	FLOW	3.	3.
				TIME	27.08	27.08
ROUTED TO	C63C	0.01	1	FLOW	2.	2.
				TIME	30.50	30.58
HYDROGRAPH AT	30	0.01	1	FLOW	3.	3.
				TIME	27.08	27.08
ROUTED TO	C63C	0.01	1	FLOW	3.	2.
				TIME	30.42	30.42
HYDROGRAPH AT	31	0.63	1	FLOW	177.	141.
				TIME	27.58	27.75
ROUTED TO	C63C	0.63	1	FLOW	142.	115.
				TIME	31.17	31.25
5 COMBINED AT	C63C	18.81	1	FLOW	3398.	2762.
				TIME	29.00	29.08
HYDROGRAPH AT	32	0.05	1	FLOW	17.	14.
				TIME	27.08	27.08
ROUTED TO	C63C	0.05	1	FLOW	13.	10.
				TIME	30.67	30.75
HYDROGRAPH AT	33	0.02	1	FLOW	7.	6.
				TIME	27.08	27.08
ROUTED TO	C63C	0.02	1	FLOW	5.	4.
				TIME	30.50	30.58
HYDROGRAPH AT	63C	1.70	1	FLOW	601.	472.
				TIME	27.17	27.25
4 COMBINED AT	C63C	20.58	1	FLOW	3852.	3133.
				TIME	28.83	29.00
ROUTED TO	C63	20.58	1	FLOW	3688.	3007.
				TIME	30.50	30.58

HYDROGRAPH AT	63A	2.67	1	FLOW	774.	603.
				TIME	27.75	28.00
ROUTED TO	C63	2.67	1	FLOW	705.	551.
				TIME	29.00	29.25
HYDROGRAPH AT	63	2.78	1	FLOW	774.	610.
				TIME	27.83	28.17
3 COMBINED AT	C63	26.03	1	FLOW	5033.	4093.
				TIME	30.33	30.42
ROUTED TO	C63	26.03	1	FLOW	5031.	4091.
				TIME	30.42	30.50

** PEAK STAGES IN FEET **

			1	STAGE	1550.04	1549.34
				TIME	30.42	30.50
ROUTED TO	C83T	26.03	1	FLOW	4681.	3787.
				TIME	31.75	31.83
HYDROGRAPH AT	84T	1.81	1	FLOW	425.	336.
				TIME	29.83	30.42
2 COMBINED AT	C83T	27.84	1	FLOW	5032.	4066.
				TIME	31.50	31.67
2 COMBINED AT	C83T	60.46	1	FLOW	11671.	9273.
				TIME	31.92	32.17
ROUTED TO	C78T	60.46	1	FLOW	11643.	9248.
				TIME	32.17	32.42
HYDROGRAPH AT	60D	1.78	1	FLOW	633.	515.
				TIME	27.25	27.33
ROUTED TO	C60B	1.78	1	FLOW	551.	448.
				TIME	28.50	28.67
HYDROGRAPH AT	60B	3.53	1	FLOW	1126.	906.
				TIME	27.67	27.92
2 COMBINED AT	C60B	5.31	1	FLOW	1653.	1340.
				TIME	28.00	28.17
ROUTED TO	C60A	5.31	1	FLOW	1612.	1307.
				TIME	28.67	28.83
HYDROGRAPH AT	60C	1.19	1	FLOW	388.	310.
				TIME	27.33	27.50
ROUTED TO	C60A	1.19	1	FLOW	315.	257.
				TIME	30.83	30.92
HYDROGRAPH AT	60A	2.88	1	FLOW	931.	730.
				TIME	27.42	27.58
3 COMBINED AT	C60A	9.38	1	FLOW	2740.	2196.
				TIME	28.42	28.58
ROUTED TO	C60	9.38	1	FLOW	2689.	2159.
				TIME	29.00	29.25
HYDROGRAPH AT	60	3.29	1	FLOW	1041.	829.

				TIME	27.83	28.08
2 COMBINED AT	C60	12.67	1	FLOW	3647.	2926.
				TIME	28.75	28.92
HYDROGRAPH AT	59	2.29	1	FLOW	661.	522.
				TIME	28.00	28.25
ROUTED TO	C60	2.29	1	FLOW	616.	488.
				TIME	29.08	29.42
2 COMBINED AT	C60	14.96	1	FLOW	4256.	3407.
				TIME	28.75	29.00
HYDROGRAPH AT	61	1.27	1	FLOW	431.	347.
				TIME	27.42	27.58
ROUTED TO	C60	1.27	1	FLOW	414.	333.
				TIME	28.00	28.17
2 COMBINED AT	C60	16.23	1	FLOW	4648.	3721.
				TIME	28.75	28.92
ROUTED TO	C60	16.23	1	FLOW	4191.	3412.
				TIME	30.83	31.00

** PEAK STAGES IN FEET **

			1	STAGE	1543.09	1542.05
				TIME	30.83	31.00
ROUTED TO	C89T	16.23	1	FLOW	4176.	3399.
				TIME	31.17	31.33
HYDROGRAPH AT	88T	0.63	1	FLOW	173.	136.
				TIME	27.42	27.50
2 COMBINED AT	C89T	16.86	1	FLOW	4266.	3464.
				TIME	30.92	31.08
HYDROGRAPH AT	90T	2.23	1	FLOW	577.	442.
				TIME	27.58	27.83
ROUTED TO	C89T	2.23	1	FLOW	535.	413.
				TIME	28.67	29.00
HYDROGRAPH AT	89AT	2.69	1	FLOW	686.	548.
				TIME	27.67	27.67
ROUTED TO	C89T	2.69	1	FLOW	625.	500.
				TIME	29.00	29.08
HYDROGRAPH AT	89T	3.39	1	FLOW	847.	651.
				TIME	27.75	28.00
4 COMBINED AT	C89T	25.17	1	FLOW	6118.	4943.
				TIME	30.50	30.58
ROUTED TO	C87T	25.17	1	FLOW	6040.	4877.
				TIME	31.00	31.08
HYDROGRAPH AT	87T	1.77	1	FLOW	453.	349.
				TIME	27.92	28.25
2 COMBINED AT	C87T	26.94	1	FLOW	6395.	5157.
				TIME	30.83	30.92

HYDROGRAPH AT	86AT	2.77	1	FLOW	797.	645.
				TIME	27.25	27.33
ROUTED TO	C87T	2.77	1	FLOW	694.	561.
				TIME	28.58	28.67
HYDROGRAPH AT	86T	3.10	1	FLOW	749.	575.
				TIME	28.50	28.75
HYDROGRAPH AT	85T	4.75	1	FLOW	1183.	944.
				TIME	27.75	27.83
4 COMBINED AT	C87T	37.56	1	FLOW	8746.	7051.
				TIME	30.58	30.58
ROUTED TO	C81T	37.56	1	FLOW	8701.	7014.
				TIME	30.83	30.83
HYDROGRAPH AT	81T	1.40	1	FLOW	384.	296.
				TIME	27.42	27.58
2 COMBINED AT	C81T	38.96	1	FLOW	8966.	7230.
				TIME	30.67	30.75
HYDROGRAPH AT	80T	1.83	1	FLOW	519.	420.
				TIME	27.33	27.33
HYDROGRAPH AT	82T	1.59	1	FLOW	402.	310.
				TIME	28.50	28.83
3 COMBINED AT	C81T	42.38	1	FLOW	9687.	7799.
				TIME	30.50	30.58
ROUTED TO	C78T	42.38	1	FLOW	9655.	7776.
				TIME	30.75	30.75
2 COMBINED AT	C78T	102.84	1	FLOW	20399.	16025.
				TIME	31.33	31.58
HYDROGRAPH AT	78T	1.10	1	FLOW	270.	205.
				TIME	27.75	27.92
2 COMBINED AT	C78T	103.94	1	FLOW	20544.	16132.
				TIME	31.25	31.50
ROUTED TO	C76T	103.94	1	FLOW	20101.	15783.
				TIME	32.00	32.25
HYDROGRAPH AT	79T	2.80	1	FLOW	651.	493.
				TIME	28.50	28.75
ROUTED TO	C76T	2.80	1	FLOW	605.	471.
				TIME	30.92	31.08
2 COMBINED AT	C76T	106.74	1	FLOW	20628.	16180.
				TIME	31.92	32.17
HYDROGRAPH AT	77T	2.15	1	FLOW	546.	431.
				TIME	27.25	27.33
ROUTED TO	C76T	2.15	1	FLOW	486.	384.
				TIME	28.42	28.50
2 COMBINED AT	C76T	108.89	1	FLOW	20845.	16323.
				TIME	31.92	32.17

HYDROGRAPH AT	76T	4.11	1	FLOW	929.	716.
				TIME	29.00	30.33
2 COMBINED AT	C76T	113.00	1	FLOW	21501.	16818.
				TIME	31.75	32.08
HYDROGRAPH AT	66	0.54	1	FLOW	141.	108.
				TIME	27.25	27.33
ROUTED TO	C67	0.54	1	FLOW	138.	106.
				TIME	27.50	27.58
HYDROGRAPH AT	67	6.20	1	FLOW	1694.	1377.
				TIME	27.83	27.83
2 COMBINED AT	C67	6.74	1	FLOW	1828.	1481.
				TIME	27.75	27.83
ROUTED TO	C68	6.74	1	FLOW	1824.	1478.
				TIME	27.92	28.00
HYDROGRAPH AT	68	1.67	1	FLOW	447.	359.
				TIME	27.50	27.58
2 COMBINED AT	C68	8.41	1	FLOW	2259.	1827.
				TIME	27.83	27.92
ROUTED TO	C69	8.41	1	FLOW	2209.	1788.
				TIME	28.50	28.58
HYDROGRAPH AT	69	0.71	1	FLOW	186.	141.
				TIME	27.25	27.25
2 COMBINED AT	C69	9.12	1	FLOW	2365.	1909.
				TIME	28.42	28.50
ROUTED TO	C70	9.12	1	FLOW	2355.	1902.
				TIME	28.67	28.75
HYDROGRAPH AT	70A	5.87	1	FLOW	1723.	1409.
				TIME	27.50	27.58
ROUTED TO	C70	5.87	1	FLOW	1667.	1362.
				TIME	28.08	28.08
HYDROGRAPH AT	70	1.03	1	FLOW	288.	225.
				TIME	27.33	27.42
3 COMBINED AT	C70	16.02	1	FLOW	4237.	3436.
				TIME	28.42	28.50
ROUTED TO	C71	16.02	1	FLOW	4035.	3274.
				TIME	29.50	29.58
HYDROGRAPH AT	71	0.83	1	FLOW	205.	158.
				TIME	27.33	27.42
2 COMBINED AT	C71	16.85	1	FLOW	4205.	3413.
				TIME	29.58	29.67
ROUTED TO	C72	16.85	1	FLOW	4197.	3408.
				TIME	29.83	30.00
HYDROGRAPH AT	72	2.10	1	FLOW	528.	418.
				TIME	27.42	27.50

2 COMBINED AT	C72	18.95	1	FLOW	4654.	3787.
				TIME	30.00	30.08
ROUTED TO	C73	18.95	1	FLOW	4357.	3528.
				TIME	31.17	31.25
HYDROGRAPH AT	73	4.32	1	FLOW	1054.	830.
				TIME	27.42	27.50
2 COMBINED AT	C73	23.27	1	FLOW	5103.	4103.
				TIME	30.42	30.50
ROUTED TO	C74	23.27	1	FLOW	4757.	3818.
				TIME	31.42	31.58
HYDROGRAPH AT	75	1.51	1	FLOW	439.	356.
				TIME	27.33	27.33
ROUTED TO	C74	1.51	1	FLOW	413.	334.
				TIME	27.92	28.00
HYDROGRAPH AT	74	1.26	1	FLOW	311.	237.
				TIME	27.67	27.83
3 COMBINED AT	C74	26.04	1	FLOW	5229.	4193.
				TIME	31.00	31.00
ROUTED TO	C76T	26.04	1	FLOW	5192.	4164.
				TIME	31.33	31.42
2 COMBINED AT	C76T	139.04	1	FLOW	26627.	20893.
				TIME	31.67	31.92
ROUTED TO	C91	139.04	1	FLOW	26553.	20840.
				TIME	32.00	32.17
HYDROGRAPH AT	34	0.34	1	FLOW	112.	89.
				TIME	27.17	27.25
ROUTED TO	C64A	0.34	1	FLOW	87.	70.
				TIME	30.83	30.92
HYDROGRAPH AT	35	0.34	1	FLOW	110.	89.
				TIME	27.25	27.33
ROUTED TO	C64A	0.34	1	FLOW	89.	73.
				TIME	30.83	30.83
HYDROGRAPH AT	64A	1.99	1	FLOW	591.	467.
				TIME	27.50	27.67
3 COMBINED AT	C64A	2.67	1	FLOW	719.	572.
				TIME	27.75	28.08
ROUTED TO	C64	2.67	1	FLOW	676.	540.
				TIME	29.00	30.67
HYDROGRAPH AT	36	3.64	1	FLOW	1033.	816.
				TIME	28.33	28.58
ROUTED TO	C64B	3.64	1	FLOW	969.	781.
				TIME	29.58	30.58
HYDROGRAPH AT	37	2.71	1	FLOW	771.	609.
				TIME	28.33	28.58

ROUTED TO	C64B	2.71	1	FLOW	719.	580.
				TIME	30.50	30.58
HYDROGRAPH AT	64B	1.93	1	FLOW	616.	496.
				TIME	27.42	27.50
3 COMBINED AT	C64B	8.28	1	FLOW	2190.	1771.
				TIME	30.17	30.25
ROUTED TO	C64	8.28	1	FLOW	2167.	1742.
				TIME	30.67	30.75
HYDROGRAPH AT	64	3.52	1	FLOW	1039.	820.
				TIME	27.67	27.83
3 COMBINED AT	C64	14.47	1	FLOW	3693.	2978.
				TIME	30.42	30.50
ROUTED TO	C64	14.47	1	FLOW	3189.	2564.
				TIME	31.42	31.50

** PEAK STAGES IN FEET **

			1	STAGE	1550.06	1549.34
				TIME	31.42	31.50
ROUTED TO	C95	14.47	1	FLOW	3067.	2462.
				TIME	32.42	32.58
HYDROGRAPH AT	95	1.72	1	FLOW	465.	360.
				TIME	27.83	28.17
2 COMBINED AT	C95	16.19	1	FLOW	3208.	2576.
				TIME	32.08	32.25
HYDROGRAPH AT	96	1.89	1	FLOW	466.	357.
				TIME	27.58	27.75
ROUTED TO	C95	1.89	1	FLOW	451.	346.
				TIME	28.08	28.33
HYDROGRAPH AT	94	0.53	1	FLOW	131.	99.
				TIME	27.50	27.58
2 COMBINED AT	C95	2.42	1	FLOW	575.	441.
				TIME	28.00	28.25
2 COMBINED AT	C95	18.61	1	FLOW	3536.	2812.
				TIME	31.00	31.25
ROUTED TO	C93	18.61	1	FLOW	3395.	2706.
				TIME	32.42	32.67
HYDROGRAPH AT	93	1.16	1	FLOW	270.	206.
				TIME	28.42	28.75
2 COMBINED AT	C93	19.77	1	FLOW	3506.	2788.
				TIME	32.08	32.33
HYDROGRAPH AT	92	1.55	1	FLOW	355.	272.
				TIME	28.67	30.33
2 COMBINED AT	C93	21.32	1	FLOW	3716.	2943.
				TIME	31.67	31.92
ROUTED TO	C91	21.32	1	FLOW	3675.	2914.
				TIME	32.33	32.67

2 COMBINED AT	C91	160.36	1	FLOW	30209.	23735.
				TIME	32.00	32.25
HYDROGRAPH AT	91	1.12	1	FLOW	298.	230.
				TIME	28.00	28.25
2 COMBINED AT	C91	161.48	1	FLOW	30330.	23825.
				TIME	32.00	32.25
ROUTED TO	C97	161.48	1	FLOW	28171.	22191.
				TIME	33.50	33.75
HYDROGRAPH AT	38	8.65	1	FLOW	2306.	1797.
				TIME	28.67	29.00
ROUTED TO	C65	8.65	1	FLOW	2166.	1716.
				TIME	30.83	30.92
HYDROGRAPH AT	39	0.76	1	FLOW	186.	140.
				TIME	27.67	27.92
ROUTED TO	C65	0.76	1	FLOW	165.	128.
				TIME	30.92	31.00
HYDROGRAPH AT	40A	7.11	1	FLOW	1745.	1355.
				TIME	28.50	28.83
ROUTED TO	C40	7.11	1	FLOW	1713.	1336.
				TIME	29.08	30.58
HYDROGRAPH AT	40E	0.14	1	FLOW	37.	28.
				TIME	27.17	27.17
ROUTED TO	C40C	0.14	1	FLOW	36.	28.
				TIME	27.42	27.50
HYDROGRAPH AT	40F	3.51	1	FLOW	1011.	786.
				TIME	27.42	27.58
ROUTED TO	C40C	3.51	1	FLOW	1006.	783.
				TIME	27.58	27.75
HYDROGRAPH AT	40C	0.21	1	FLOW	59.	46.
				TIME	27.17	27.17
3 COMBINED AT	C40C	3.86	1	FLOW	1093.	849.
				TIME	27.58	27.75
ROUTED TO	C40B	3.86	1	FLOW	1088.	846.
				TIME	27.75	28.00
HYDROGRAPH AT	40J	3.24	1	FLOW	619.	510.
				TIME	27.08	27.17
ROUTED TO	C40H	3.24	1	FLOW	612.	503.
				TIME	27.33	27.33
HYDROGRAPH AT	40H	0.67	1	FLOW	231.	187.
				TIME	27.17	27.17
2 COMBINED AT	C40H	3.91	1	FLOW	840.	689.
				TIME	27.25	27.33
ROUTED TO	C40G	3.91	1	FLOW	819.	669.
				TIME	27.58	27.67

HYDROGRAPH AT	40I	1.65	1	FLOW	299.	243.
				TIME	27.17	27.17
ROUTED TO	C40G	1.65	1	FLOW	286.	232.
				TIME	27.58	27.58
2 COMBINED AT	C40G	5.56	1	FLOW	1105.	900.
				TIME	27.58	27.58
HYDROGRAPH AT	40G	2.05	1	FLOW	624.	493.
				TIME	27.33	27.42
2 COMBINED AT	C40G	7.61	1	FLOW	1722.	1391.
				TIME	27.50	27.58
ROUTED TO	C40D	7.61	1	FLOW	1718.	1387.
				TIME	27.58	27.67
HYDROGRAPH AT	40D	0.19	1	FLOW	50.	39.
				TIME	27.17	27.17
2 COMBINED AT	C40D	7.80	1	FLOW	1760.	1421.
				TIME	27.58	27.67
ROUTED TO	C40B	7.80	1	FLOW	1749.	1410.
				TIME	27.83	27.92
HYDROGRAPH AT	40B	0.51	1	FLOW	139.	108.
				TIME	27.17	27.17
3 COMBINED AT	C40B	12.17	1	FLOW	2951.	2349.
				TIME	27.83	27.92
ROUTED TO	C40	12.17	1	FLOW	2885.	2295.
				TIME	28.33	28.42
HYDROGRAPH AT	40	1.45	1	FLOW	365.	280.
				TIME	27.67	27.83
3 COMBINED AT	C40	20.73	1	FLOW	4854.	3802.
				TIME	28.58	28.83
ROUTED TO	C41	20.73	1	FLOW	4840.	3793.
				TIME	28.83	29.00
HYDROGRAPH AT	41	0.68	1	FLOW	202.	158.
				TIME	27.33	27.42
2 COMBINED AT	C41	21.41	1	FLOW	5007.	3925.
				TIME	28.75	29.00
ROUTED TO	C65	21.41	1	FLOW	5006.	3924.
				TIME	28.83	29.08
HYDROGRAPH AT	65	1.81	1	FLOW	457.	353.
				TIME	28.17	28.50
4 COMBINED AT	C65	32.63	1	FLOW	7483.	5890.
				TIME	29.17	30.67
ROUTED TO	C65	32.63	1	FLOW	7471.	5885.
				TIME	29.33	30.75

** PEAK STAGES IN FEET **

1	STAGE	1552.38	1551.99

				TIME	29.33	30.75
ROUTED TO	C102A	32.63	1	FLOW	7300.	5782.
				TIME	31.08	31.42
HYDROGRAPH AT	102A	2.34	1	FLOW	596.	461.
				TIME	27.83	28.17
2 COMBINED AT	C102A	34.97	1	FLOW	7767.	6099.
				TIME	30.67	31.08
HYDROGRAPH AT	104	0.04	1	FLOW	11.	8.
				TIME	27.08	27.08
ROUTED TO	C102A	0.04	1	FLOW	9.	7.
				TIME	30.50	30.58
2 COMBINED AT	C102A	35.01	1	FLOW	7776.	6105.
				TIME	30.67	31.08
HYDROGRAPH AT	105	0.03	1	FLOW	8.	6.
				TIME	27.08	27.17
ROUTED TO	C102A	0.03	1	FLOW	6.	5.
				TIME	30.67	30.75
2 COMBINED AT	C102A	35.04	1	FLOW	7782.	6110.
				TIME	30.67	31.08
HYDROGRAPH AT	42D1	0.04	1	FLOW	11.	8.
				TIME	27.08	27.17
ROUTED TO	C42D	0.04	1	FLOW	10.	8.
				TIME	27.42	27.42
HYDROGRAPH AT	42D	0.10	1	FLOW	26.	20.
				TIME	27.17	27.17
2 COMBINED AT	C42D	0.14	1	FLOW	36.	28.
				TIME	27.17	27.17
ROUTED TO	C42A	0.14	1	FLOW	34.	26.
				TIME	27.58	30.33
HYDROGRAPH AT	42A	0.33	1	FLOW	84.	64.
				TIME	27.17	27.25
2 COMBINED AT	C42A	0.47	1	FLOW	116.	89.
				TIME	27.25	27.33
ROUTED TO	C42	0.47	1	FLOW	104.	82.
				TIME	30.58	30.67
HYDROGRAPH AT	42E1	0.48	1	FLOW	133.	103.
				TIME	27.25	27.33
ROUTED TO	C42E	0.48	1	FLOW	131.	102.
				TIME	27.50	27.58
HYDROGRAPH AT	42E	0.10	1	FLOW	26.	20.
				TIME	27.17	27.17
2 COMBINED AT	C42E	0.58	1	FLOW	155.	120.
				TIME	27.33	27.50
ROUTED TO	C42B	0.58	1	FLOW	150.	117.

				TIME	27.83	28.00
HYDROGRAPH AT	42B	0.17	1	FLOW	44.	34.
				TIME	27.17	27.17
2 COMBINED AT	C42B	0.75	1	FLOW	189.	147.
				TIME	27.75	27.92
ROUTED TO	C42	0.75	1	FLOW	168.	134.
				TIME	30.75	30.83
HYDROGRAPH AT	42F1	0.22	1	FLOW	55.	42.
				TIME	27.33	27.42
ROUTED TO	C42F	0.22	1	FLOW	54.	41.
				TIME	27.58	27.67
HYDROGRAPH AT	42F	0.11	1	FLOW	29.	22.
				TIME	27.17	27.17
2 COMBINED AT	C42F	0.33	1	FLOW	81.	61.
				TIME	27.33	27.42
ROUTED TO	C42C	0.33	1	FLOW	78.	60.
				TIME	27.83	28.17
HYDROGRAPH AT	42C	0.30	1	FLOW	79.	61.
				TIME	27.08	27.17
2 COMBINED AT	C42C	0.63	1	FLOW	149.	116.
				TIME	27.25	30.08
ROUTED TO	C42	0.63	1	FLOW	139.	110.
				TIME	30.50	30.50
HYDROGRAPH AT	42	1.88	1	FLOW	533.	415.
				TIME	27.83	28.08
4 COMBINED AT	C42	3.73	1	FLOW	884.	697.
				TIME	28.42	30.42
HYDROGRAPH AT	43B	1.52	1	FLOW	288.	237.
				TIME	27.17	27.17
ROUTED TO	C43A	1.52	1	FLOW	281.	230.
				TIME	27.50	27.50
HYDROGRAPH AT	43A	1.46	1	FLOW	470.	378.
				TIME	27.33	27.42
2 COMBINED AT	C43A	2.98	1	FLOW	749.	608.
				TIME	27.33	27.42
ROUTED TO	C43	2.98	1	FLOW	685.	554.
				TIME	28.25	28.33
HYDROGRAPH AT	43C	0.31	1	FLOW	103.	82.
				TIME	27.17	27.17
ROUTED TO	C43C	0.31	1	FLOW	99.	79.
				TIME	27.42	27.50

** PEAK STAGES IN FEET **

1	STAGE	1803.67	1803.08
	TIME	27.42	27.50

ROUTED TO	C43	0.31	1	FLOW	82.	66.
				TIME	30.83	30.92
HYDROGRAPH AT	43D	0.35	1	FLOW	116.	93.
				TIME	27.17	27.17
ROUTED TO	C43	0.35	1	FLOW	95.	77.
				TIME	30.58	30.67
3 COMBINED AT	C43	3.64	1	FLOW	854.	688.
				TIME	28.33	28.50
HYDROGRAPH AT	43E	0.32	1	FLOW	106.	86.
				TIME	27.17	27.17
ROUTED TO	C43	0.32	1	FLOW	86.	70.
				TIME	30.58	30.67
HYDROGRAPH AT	43	4.42	1	FLOW	1122.	865.
				TIME	27.92	28.17
3 COMBINED AT	C43	8.38	1	FLOW	2051.	1617.
				TIME	28.08	28.33
HYDROGRAPH AT	44	0.76	1	FLOW	189.	143.
				TIME	27.33	27.50
HYDROGRAPH AT	45	2.29	1	FLOW	541.	416.
				TIME	27.75	28.17
4 COMBINED AT	C46	15.16	1	FLOW	3640.	2849.
				TIME	28.08	28.33
HYDROGRAPH AT	46	1.22	1	FLOW	298.	228.
				TIME	27.58	27.75
2 COMBINED AT	C46	16.38	1	FLOW	3925.	3069.
				TIME	28.08	28.33
HYDROGRAPH AT	47C	16.43	1	FLOW	3058.	2516.
				TIME	27.33	27.33
ROUTED TO	C47B	16.43	1	FLOW	2838.	2328.
				TIME	28.08	28.08
HYDROGRAPH AT	47B	2.30	1	FLOW	683.	538.
				TIME	27.42	27.67
2 COMBINED AT	C47B	18.73	1	FLOW	3495.	2855.
				TIME	27.92	28.00
ROUTED TO	C47A	18.73	1	FLOW	3444.	2817.
				TIME	28.50	28.58
HYDROGRAPH AT	47A	1.90	1	FLOW	522.	409.
				TIME	27.58	27.83
2 COMBINED AT	C47A	20.63	1	FLOW	3937.	3212.
				TIME	28.33	28.50
ROUTED TO	C47	20.63	1	FLOW	3929.	3206.
				TIME	28.58	28.67
HYDROGRAPH AT	47	0.24	1	FLOW	62.	48.
				TIME	27.17	27.25

2 COMBINED AT	C47	20.87	1	FLOW	3980.	3246.
				TIME	28.58	28.67
HYDROGRAPH AT	48	9.63	1	FLOW	2754.	2160.
				TIME	28.17	28.42
HYDROGRAPH AT	49	0.57	1	FLOW	140.	106.
				TIME	27.42	27.58
4 COMBINED AT	C49	47.45	1	FLOW	10737.	8552.
				TIME	28.33	28.50
HYDROGRAPH AT	50	0.32	1	FLOW	81.	61.
				TIME	27.25	27.33
2 COMBINED AT	C50	47.77	1	FLOW	10807.	8606.
				TIME	28.25	28.50
ROUTED TO	C50	47.77	1	FLOW	6266.	4258.
				TIME	31.75	32.08
			** PEAK STAGES IN FEET **			
			1	STAGE	1553.26	1552.31
				TIME	31.75	32.08
DIVERSION TO	DIV50	47.77	1	FLOW	1402.	444.
				TIME	31.75	32.08
HYDROGRAPH AT	C50	47.77	1	FLOW	4865.	3814.
				TIME	31.75	32.08
DIVERSION TO	DIV42	47.77	1	FLOW	398.	369.
				TIME	31.75	32.08
HYDROGRAPH AT	C42	47.77	1	FLOW	4467.	3445.
				TIME	31.75	32.08
DIVERSION TO	DIV43	47.77	1	FLOW	408.	379.
				TIME	31.75	32.08
HYDROGRAPH AT	C43	47.77	1	FLOW	4059.	3065.
				TIME	31.75	32.08
DIVERSION TO	DIV44	47.77	1	FLOW	408.	387.
				TIME	31.75	32.08
HYDROGRAPH AT	C44	47.77	1	FLOW	3651.	2678.
				TIME	31.75	32.08
DIVERSION TO	DIV45	47.77	1	FLOW	413.	392.
				TIME	31.75	32.08
HYDROGRAPH AT	C45	47.77	1	FLOW	3237.	2286.
				TIME	31.75	32.08
DIVERSION TO	DIV46	47.77	1	FLOW	1560.	689.
				TIME	31.75	32.08
HYDROGRAPH AT	C46	47.77	1	FLOW	1677.	1597.
				TIME	31.75	32.08
DIVERSION TO	DIV47	47.77	1	FLOW	420.	401.
				TIME	31.75	32.08
HYDROGRAPH AT	C47	47.77	1	FLOW	1257.	1195.
				TIME	31.75	32.08

DIVERSION TO	DIV48	47.77	1	FLOW	420.	401.
				TIME	31.75	32.08
HYDROGRAPH AT	C48	47.77	1	FLOW	837.	794.
				TIME	31.75	32.08
DIVERSION TO	DIV49	47.77	1	FLOW	428.	407.
				TIME	31.75	32.08
HYDROGRAPH AT	C49	47.77	1	FLOW	408.	387.
				TIME	31.75	32.08
DIVERSION TO	DIV50A	47.77	1	FLOW	408.	387.
				TIME	31.75	32.08
HYDROGRAPH AT	C50A	47.77	1	FLOW	0.	0.
				TIME	0.08	0.08
HYDROGRAPH AT	C42	0.00	1	FLOW	398.	369.
				TIME	31.75	32.08
ROUTED TO	C106	0.00	1	FLOW	398.	369.
				TIME	32.00	32.33
HYDROGRAPH AT	106	0.06	1	FLOW	16.	12.
				TIME	27.17	27.25
2 COMBINED AT	C106	0.06	1	FLOW	399.	370.
				TIME	31.83	32.25
ROUTED TO	C102A	0.06	1	FLOW	390.	362.
				TIME	33.42	34.08
2 COMBINED AT	C102A	47.83	1	FLOW	390.	362.
				TIME	33.42	34.08
HYDROGRAPH AT	C43	0.00	1	FLOW	408.	379.
				TIME	31.75	32.08
ROUTED TO	C107	0.00	1	FLOW	407.	379.
				TIME	32.17	32.58
HYDROGRAPH AT	107	0.32	1	FLOW	80.	60.
				TIME	27.50	27.67
2 COMBINED AT	C107	0.32	1	FLOW	455.	399.
				TIME	30.50	30.92
ROUTED TO	C102A	0.32	1	FLOW	441.	393.
				TIME	31.33	32.25
2 COMBINED AT	C102A	48.15	1	FLOW	815.	748.
				TIME	32.42	33.33
HYDROGRAPH AT	108	0.67	1	FLOW	168.	129.
				TIME	27.42	27.50
ROUTED TO	C102A	0.67	1	FLOW	156.	120.
				TIME	28.08	28.33
2 COMBINED AT	C102A	48.82	1	FLOW	924.	794.
				TIME	31.00	31.33
HYDROGRAPH AT	109	0.12	1	FLOW	32.	24.
				TIME	27.17	27.17

ROUTED TO	C102A	0.12	1	FLOW	28.	22.
				TIME	30.42	30.42
3 COMBINED AT	C102A	83.98	1	FLOW	8723.	6918.
				TIME	30.75	31.17
ROUTED TO	C102	83.98	1	FLOW	8650.	6852.
				TIME	31.25	31.67
HYDROGRAPH AT	102	0.72	1	FLOW	208.	162.
				TIME	27.50	27.67
2 COMBINED AT	C102	84.70	1	FLOW	8758.	6919.
				TIME	31.17	31.58
HYDROGRAPH AT	98A	1.33	1	FLOW	322.	244.
				TIME	27.92	28.17
ROUTED TO	C102	1.33	1	FLOW	289.	226.
				TIME	30.92	31.00
HYDROGRAPH AT	98	1.01	1	FLOW	236.	181.
				TIME	28.08	28.42
2 COMBINED AT	C102	2.34	1	FLOW	504.	395.
				TIME	30.33	30.42
2 COMBINED AT	C102	87.04	1	FLOW	9218.	7249.
				TIME	31.00	31.42
ROUTED TO	C97	87.04	1	FLOW	9098.	7152.
				TIME	31.67	32.08
HYDROGRAPH AT	97A	0.81	1	FLOW	192.	147.
				TIME	28.17	28.50
ROUTED TO	C97	0.81	1	FLOW	165.	128.
				TIME	31.33	31.42
2 COMBINED AT	C97	87.85	1	FLOW	9260.	7274.
				TIME	31.67	32.00
HYDROGRAPH AT	100	0.74	1	FLOW	247.	198.
				TIME	27.42	27.58
ROUTED TO	C97	0.74	1	FLOW	243.	195.
				TIME	27.83	27.92
2 COMBINED AT	C97	88.59	1	FLOW	9383.	7353.
				TIME	31.58	32.00
HYDROGRAPH AT	97	1.97	1	FLOW	460.	350.
				TIME	28.50	28.83
2 COMBINED AT	C97	90.56	1	FLOW	9704.	7574.
				TIME	31.42	31.83
HYDROGRAPH AT	C44	0.00	1	FLOW	408.	387.
				TIME	31.75	32.08
ROUTED TO	C110	0.00	1	FLOW	401.	380.
				TIME	33.33	33.92
HYDROGRAPH AT	110	2.06	1	FLOW	503.	377.
				TIME	27.67	27.92

2 COMBINED AT	C110	2.06	1	FLOW	805.	660.
				TIME	30.33	30.42
HYDROGRAPH AT	C45	0.00	1	FLOW	413.	392.
				TIME	31.75	32.08
ROUTED TO	C110	0.00	1	FLOW	406.	385.
				TIME	33.25	33.92
2 COMBINED AT	C110	2.06	1	FLOW	1157.	971.
				TIME	30.42	30.50
ROUTED TO	C101	2.06	1	FLOW	1104.	929.
				TIME	31.08	31.25
HYDROGRAPH AT	101	1.65	1	FLOW	495.	391.
				TIME	27.50	27.58
2 COMBINED AT	C101	3.71	1	FLOW	1464.	1208.
				TIME	30.50	30.58
HYDROGRAPH AT	111	0.35	1	FLOW	88.	67.
				TIME	27.42	27.50
ROUTED TO	C101	0.35	1	FLOW	77.	60.
				TIME	30.83	30.92
2 COMBINED AT	C101	4.06	1	FLOW	1538.	1267.
				TIME	30.50	30.58
HYDROGRAPH AT	112	1.34	1	FLOW	334.	251.
				TIME	27.42	27.58
ROUTED TO	C101	1.34	1	FLOW	325.	245.
				TIME	27.83	28.08
2 COMBINED AT	C101	5.40	1	FLOW	1840.	1503.
				TIME	30.50	30.58
HYDROGRAPH AT	113	0.59	1	FLOW	139.	107.
				TIME	28.00	28.33
ROUTED TO	C101	0.59	1	FLOW	137.	105.
				TIME	28.42	28.67
2 COMBINED AT	C101	5.99	1	FLOW	1969.	1607.
				TIME	30.50	30.58
HYDROGRAPH AT	114	0.08	1	FLOW	21.	16.
				TIME	27.17	27.17
ROUTED TO	C101	0.08	1	FLOW	21.	16.
				TIME	27.42	27.50
2 COMBINED AT	C101	6.07	1	FLOW	1987.	1620.
				TIME	30.50	30.58
ROUTED TO	C97	6.07	1	FLOW	1953.	1592.
				TIME	30.83	30.92
2 COMBINED AT	C97	96.63	1	FLOW	11570.	9024.
				TIME	31.25	31.58
HYDROGRAPH AT	99	0.29	1	FLOW	86.	68.
				TIME	27.33	27.42

3 COMBINED AT	C97	258.40	1	FLOW	37503.	29657.
				TIME	32.92	33.25
ROUTED TO	C97	258.40	1	FLOW	15518.	12995.
				TIME	63.17	63.42
			** PEAK STAGES IN FEET **			
			1	STAGE	1354.98	1354.68
				TIME	63.17	63.42
DIVERSION TO	DIV97	258.40	1	FLOW	10977.	8503.
				TIME	63.17	63.42
HYDROGRAPH AT	C97	258.40	1	FLOW	4541.	4492.
				TIME	63.17	63.42
ROUTED TO	C119	258.40	1	FLOW	4536.	4488.
				TIME	67.42	67.75
HYDROGRAPH AT	115	0.05	1	FLOW	15.	12.
				TIME	27.08	27.08
ROUTED TO	C103	0.05	1	FLOW	14.	11.
				TIME	27.67	27.75
HYDROGRAPH AT	C97	0.00	1	FLOW	10977.	8503.
				TIME	63.17	63.42
ROUTED TO	C103	0.00	1	FLOW	10975.	8502.
				TIME	63.42	63.67
2 COMBINED AT	C103	0.05	1	FLOW	10981.	8507.
				TIME	63.42	63.67
HYDROGRAPH AT	103	0.32	1	FLOW	98.	78.
				TIME	27.25	27.25
2 COMBINED AT	C103	0.37	1	FLOW	11033.	8548.
				TIME	63.42	63.50
ROUTED TO	C119	0.37	1	FLOW	10459.	8074.
				TIME	68.83	69.08
HYDROGRAPH AT	116	1.00	1	FLOW	311.	247.
				TIME	27.33	27.42
ROUTED TO	C119	1.00	1	FLOW	292.	231.
				TIME	27.92	28.08
3 COMBINED AT	C119	259.77	1	FLOW	15020.	12585.
				TIME	69.00	69.17
HYDROGRAPH AT	118	1.39	1	FLOW	404.	317.
				TIME	27.50	27.67
ROUTED TO	C119	1.39	1	FLOW	321.	257.
				TIME	31.17	31.25
2 COMBINED AT	C119	261.16	1	FLOW	15064.	12623.
				TIME	68.92	69.17
HYDROGRAPH AT	C46	0.00	1	FLOW	1560.	689.
				TIME	31.75	32.08
ROUTED TO	C117A	0.00	1	FLOW	1235.	544.

				TIME	33.50	33.58
HYDROGRAPH AT	117A	1.72	1	FLOW	455.	358.
				TIME	28.67	29.00
2 COMBINED AT	C117A	1.72	1	FLOW	1364.	658.
				TIME	33.17	33.08
HYDROGRAPH AT	C47	0.00	1	FLOW	420.	401.
				TIME	31.75	32.08
ROUTED TO	C117D	0.00	1	FLOW	414.	396.
				TIME	33.25	33.92
HYDROGRAPH AT	117D	0.55	1	FLOW	157.	123.
				TIME	27.58	27.75
2 COMBINED AT	C117D	0.55	1	FLOW	503.	435.
				TIME	30.50	30.67
ROUTED TO	C117A	0.55	1	FLOW	486.	425.
				TIME	31.17	31.67
2 COMBINED AT	C117A	2.27	1	FLOW	1810.	1074.
				TIME	33.08	33.08
HYDROGRAPH AT	C48	0.00	1	FLOW	420.	401.
				TIME	31.75	32.08
ROUTED TO	C117F	0.00	1	FLOW	419.	400.
				TIME	32.42	32.92
HYDROGRAPH AT	117F	0.36	1	FLOW	106.	83.
				TIME	27.33	27.42
2 COMBINED AT	C117F	0.36	1	FLOW	485.	426.
				TIME	30.33	30.50
HYDROGRAPH AT	C49	0.00	1	FLOW	428.	407.
				TIME	31.75	32.08
ROUTED TO	C117G	0.00	1	FLOW	426.	405.
				TIME	32.50	33.00
HYDROGRAPH AT	117G	0.27	1	FLOW	80.	62.
				TIME	27.42	27.50
2 COMBINED AT	C117G	0.27	1	FLOW	467.	415.
				TIME	30.42	31.08
2 COMBINED AT	C117F	0.63	1	FLOW	951.	840.
				TIME	30.42	30.58
ROUTED TO	C117E	0.63	1	FLOW	934.	831.
				TIME	30.92	31.50
HYDROGRAPH AT	117E	0.40	1	FLOW	117.	92.
				TIME	27.50	27.58
2 COMBINED AT	C117E	1.03	1	FLOW	1019.	888.
				TIME	30.67	30.83
ROUTED TO	C117B	1.03	1	FLOW	995.	871.
				TIME	31.25	31.58
HYDROGRAPH AT	117B	0.37	1	FLOW	108.	84.

				TIME	27.50	27.67
2 COMBINED AT	C117B	1.40	1	FLOW	1058.	915.
				TIME	30.92	31.17
2 COMBINED AT	C117A	3.67	1	FLOW	2732.	1942.
				TIME	32.83	30.92
HYDROGRAPH AT	C50A	0.00	1	FLOW	408.	387.
				TIME	31.75	32.08
ROUTED TO	C117C	0.00	1	FLOW	395.	375.
				TIME	33.92	34.33
HYDROGRAPH AT	117C	1.47	1	FLOW	410.	321.
				TIME	28.00	28.25
2 COMBINED AT	C117C	1.47	1	FLOW	683.	574.
				TIME	30.50	30.58
2 COMBINED AT	C117A	5.14	1	FLOW	3227.	2509.
				TIME	32.33	30.92
ROUTED TO	C117	5.14	1	FLOW	3222.	2483.
				TIME	32.75	31.25
HYDROGRAPH AT	117	0.94	1	FLOW	276.	215.
				TIME	27.42	27.50
2 COMBINED AT	C117	6.08	1	FLOW	3259.	2599.
				TIME	32.33	31.08
ROUTED TO	C120	6.08	1	FLOW	3258.	2595.
				TIME	32.50	31.17
HYDROGRAPH AT	51	0.48	1	FLOW	120.	91.
				TIME	27.33	27.42
HYDROGRAPH AT	52A	4.32	1	FLOW	836.	690.
				TIME	27.17	27.17
ROUTED TO	C52	4.32	1	FLOW	705.	580.
				TIME	28.50	28.50
HYDROGRAPH AT	52B	4.92	1	FLOW	936.	770.
				TIME	27.17	27.17
ROUTED TO	C52C	4.92	1	FLOW	934.	768.
				TIME	27.25	27.25
HYDROGRAPH AT	52C	5.77	1	FLOW	1069.	876.
				TIME	27.25	27.25
2 COMBINED AT	C52C	10.69	1	FLOW	2002.	1645.
				TIME	27.25	27.25
ROUTED TO	C52C	10.69	1	FLOW	1905.	1557.
				TIME	27.67	27.67
HYDROGRAPH AT	52	5.93	1	FLOW	1655.	1314.
				TIME	28.25	28.50
3 COMBINED AT	C52	20.94	1	FLOW	4216.	3376.
				TIME	27.92	28.08
HYDROGRAPH AT	53	1.64	1	FLOW	861.	693.

				TIME	27.75	27.83
HYDROGRAPH AT	C50	0.00	1	FLOW	1402.	444.
				TIME	31.75	32.08
4 COMBINED AT	C53	23.06	1	FLOW	5574.	4167.
				TIME	30.50	28.08
ROUTED TO	C53	23.06	1	FLOW	3480.	2915.
				TIME	31.83	31.33

** PEAK STAGES IN FEET **

			1	STAGE	1551.10	1548.67
				TIME	31.83	31.33
DIVERSION TO	DIV54	23.06	1	FLOW	0.	0.
				TIME	0.08	0.08
HYDROGRAPH AT	C54	23.06	1	FLOW	3480.	2915.
				TIME	31.83	31.33
DIVERSION TO	DIV51	23.06	1	FLOW	361.	282.
				TIME	31.83	31.33
HYDROGRAPH AT	C51	23.06	1	FLOW	3120.	2634.
				TIME	31.83	31.33
DIVERSION TO	DI52P1	23.06	1	FLOW	1550.	1307.
				TIME	31.83	31.33
HYDROGRAPH AT	C52P1	23.06	1	FLOW	1570.	1327.
				TIME	31.83	31.33
DIVERSION TO	DI52P2	23.06	1	FLOW	392.	332.
				TIME	31.83	31.33
HYDROGRAPH AT	C52P2	23.06	1	FLOW	1177.	995.
				TIME	31.83	31.33
DIVERSION TO	DIV53	23.06	1	FLOW	1177.	995.
				TIME	31.83	31.33
HYDROGRAPH AT	C53	23.06	1	FLOW	0.	0.
				TIME	0.08	0.08
HYDROGRAPH AT	C51	0.00	1	FLOW	361.	282.
				TIME	31.83	31.33
ROUTED TO	C120	0.00	1	FLOW	335.	260.
				TIME	33.92	33.33
2 COMBINED AT	C120	23.06	1	FLOW	335.	260.
				TIME	33.92	33.33
HYDROGRAPH AT	120	2.22	1	FLOW	644.	508.
				TIME	27.50	27.67
3 COMBINED AT	C120	31.36	1	FLOW	3788.	3152.
				TIME	31.00	30.83
ROUTED TO	C120	31.36	1	FLOW	3787.	3150.
				TIME	31.08	30.83

** PEAK STAGES IN FEET **

			1	STAGE	1338.56	1338.00
				TIME	31.08	30.83

ROUTED TO	C119	31.36	1	FLOW	3785.	3145.
				TIME	31.25	31.08
2 COMBINED AT	C119	292.52	1	FLOW	16872.	14184.
				TIME	65.83	68.83
HYDROGRAPH AT	119	0.96	1	FLOW	239.	194.
				TIME	30.08	30.17
2 COMBINED AT	C119	293.48	1	FLOW	16925.	14213.
				TIME	65.67	68.83
ROUTED TO	C121	293.48	1	FLOW	16915.	14209.
				TIME	66.33	69.17
HYDROGRAPH AT	C52P1	0.00	1	FLOW	1550.	1307.
				TIME	31.83	31.33
ROUTED TO	C124A	0.00	1	FLOW	1541.	1300.
				TIME	32.50	31.92
HYDROGRAPH AT	124A	1.31	1	FLOW	333.	257.
				TIME	27.42	27.58
2 COMBINED AT	C124A	1.31	1	FLOW	1679.	1468.
				TIME	30.33	30.42
ROUTED TO	C124	1.31	1	FLOW	1671.	1460.
				TIME	30.67	30.67
HYDROGRAPH AT	C52P2	0.00	1	FLOW	392.	332.
				TIME	31.83	31.33
ROUTED TO	C124B	0.00	1	FLOW	386.	326.
				TIME	32.92	32.42
HYDROGRAPH AT	124B	0.90	1	FLOW	225.	170.
				TIME	27.42	27.58
2 COMBINED AT	C124B	0.90	1	FLOW	538.	455.
				TIME	30.25	30.33
ROUTED TO	C124	0.90	1	FLOW	537.	453.
				TIME	30.33	30.42
HYDROGRAPH AT	124	0.86	1	FLOW	225.	176.
				TIME	27.42	27.50
3 COMBINED AT	C124	3.07	1	FLOW	2391.	2059.
				TIME	30.42	30.50
ROUTED TO	C124	3.07	1	FLOW	2363.	2032.
				TIME	30.67	30.75

** PEAK STAGES IN FEET **

			1	STAGE	1412.70	1412.59
				TIME	30.67	30.75
ROUTED TO	C123	3.07	1	FLOW	2317.	1986.
				TIME	31.17	31.25
HYDROGRAPH AT	C53	0.00	1	FLOW	1177.	995.
				TIME	31.83	31.33
ROUTED TO	C123B	0.00	1	FLOW	1175.	993.

				TIME	32.25	31.67
HYDROGRAPH AT	C123B	0.25	1	FLOW	74.	58.
				TIME	27.17	27.17
2 COMBINED AT	C123B	0.25	1	FLOW	1182.	1005.
				TIME	32.08	31.33
HYDROGRAPH AT	54	0.85	1	FLOW	481.	387.
				TIME	27.25	27.25
ROUTED TO	C54	0.85	1	FLOW	395.	326.
				TIME	28.50	28.50

** PEAK STAGES IN FEET **

			1	STAGE	1528.02	1526.22
				TIME	28.50	28.50
ROUTED TO	C123C	0.85	1	FLOW	394.	324.
				TIME	29.00	28.92
HYDROGRAPH AT	123C	0.25	1	FLOW	81.	64.
				TIME	27.08	27.17
2 COMBINED AT	C123C	1.10	1	FLOW	454.	374.
				TIME	30.08	30.08
2 COMBINED AT	C123B	1.35	1	FLOW	1575.	1371.
				TIME	30.17	30.17
ROUTED TO	C123A	1.35	1	FLOW	1550.	1343.
				TIME	31.00	31.00
HYDROGRAPH AT	123A	0.94	1	FLOW	262.	205.
				TIME	27.42	27.50
2 COMBINED AT	C123A	2.29	1	FLOW	1756.	1506.
				TIME	30.42	30.50
ROUTED TO	C123	2.29	1	FLOW	1724.	1475.
				TIME	30.92	31.08
HYDROGRAPH AT	123	3.98	1	FLOW	1194.	947.
				TIME	27.58	27.67
2 COMBINED AT	C123	6.27	1	FLOW	2694.	2245.
				TIME	30.33	30.42
2 COMBINED AT	C123	9.34	1	FLOW	4909.	4127.
				TIME	30.58	30.75
ROUTED TO	C123	9.34	1	FLOW	4906.	4124.
				TIME	30.58	30.83

** PEAK STAGES IN FEET **

			1	STAGE	1342.48	1342.37
				TIME	30.58	30.75
ROUTED TO	C121	9.34	1	FLOW	4891.	4111.
				TIME	30.83	31.00
2 COMBINED AT	C121	302.82	1	FLOW	18790.	15651.
				TIME	65.17	65.42
HYDROGRAPH AT	121	0.55	1	FLOW	160.	125.
				TIME	27.33	27.50

2 COMBINED AT	C121	303.37	1	FLOW	18810.	15666.
				TIME	65.08	65.42
ROUTED TO	C122	303.37	1	FLOW	18722.	15605.
				TIME	65.92	66.25
HYDROGRAPH AT	122	1.10	1	FLOW	323.	250.
				TIME	27.42	27.42
2 COMBINED AT	C122	304.47	1	FLOW	18747.	15624.
				TIME	65.92	66.17
ROUTED TO	C132	304.47	1	FLOW	18719.	15604.
				TIME	66.42	66.67
HYDROGRAPH AT	55	3.27	1	FLOW	1106.	900.
				TIME	27.67	27.67
ROUTED TO	C55	3.27	1	FLOW	1106.	900.
				TIME	27.67	27.67

** PEAK STAGES IN FEET **

			1	STAGE	1517.11	1515.88
				TIME	27.67	27.67
ROUTED TO	C127A	3.27	1	FLOW	1087.	884.
				TIME	28.08	28.08
HYDROGRAPH AT	127A	0.61	1	FLOW	206.	165.
				TIME	27.25	27.33
2 COMBINED AT	C127A	3.88	1	FLOW	1267.	1030.
				TIME	27.92	28.00
HYDROGRAPH AT	56	0.48	1	FLOW	311.	257.
				TIME	27.17	27.17
ROUTED TO	C56	0.48	1	FLOW	291.	253.
				TIME	27.42	27.25

** PEAK STAGES IN FEET **

			1	STAGE	1521.23	1519.81
				TIME	27.42	27.25
ROUTED TO	C126B	0.48	1	FLOW	288.	249.
				TIME	27.75	27.50
HYDROGRAPH AT	127B	0.25	1	FLOW	92.	75.
				TIME	27.08	27.08
2 COMBINED AT	C127B	0.73	1	FLOW	369.	318.
				TIME	27.25	27.33
2 COMBINED AT	C127A	4.61	1	FLOW	1628.	1331.
				TIME	27.92	27.83
ROUTED TO	C127	4.61	1	FLOW	1606.	1310.
				TIME	28.42	28.33
HYDROGRAPH AT	127	2.44	1	FLOW	804.	658.
				TIME	27.33	27.42
2 COMBINED AT	C127	7.05	1	FLOW	2309.	1901.
				TIME	28.00	28.00

HYDROGRAPH AT	126	1.67	1	FLOW	800.	639.
				TIME	28.17	28.17
2 COMBINED AT	C127	8.72	1	FLOW	3108.	2538.
				TIME	28.08	28.08
ROUTED TO	C125	8.72	1	FLOW	3107.	2537.
				TIME	28.17	28.17
HYDROGRAPH AT	125	1.47	1	FLOW	473.	378.
				TIME	27.25	27.25
2 COMBINED AT	C125	10.19	1	FLOW	3511.	2866.
				TIME	28.00	28.08
ROUTED TO	C125	10.19	1	FLOW	3505.	2860.
				TIME	28.17	28.25
			** PEAK STAGES IN FEET **			
			1	STAGE	1339.88	1338.73
				TIME	28.17	28.25
ROUTED TO	C132	10.19	1	FLOW	3394.	2761.
				TIME	29.08	29.17
HYDROGRAPH AT	131	0.59	1	FLOW	172.	134.
				TIME	27.58	27.75
ROUTED TO	C132	0.59	1	FLOW	166.	130.
				TIME	28.17	28.33
3 COMBINED AT	C132	315.25	1	FLOW	19435.	16143.
				TIME	65.50	65.75
HYDROGRAPH AT	132	1.23	1	FLOW	358.	282.
				TIME	27.58	27.75
2 COMBINED AT	C132	316.48	1	FLOW	19493.	16190.
				TIME	65.50	65.67
HYDROGRAPH AT	133	1.20	1	FLOW	453.	373.
				TIME	27.25	27.33
2 COMBINED AT	C132	317.68	1	FLOW	19536.	16225.
				TIME	65.42	65.58
ROUTED TO	C134	317.68	1	FLOW	19513.	16210.
				TIME	65.75	65.92
HYDROGRAPH AT	128	0.82	1	FLOW	241.	191.
				TIME	27.25	27.25
ROUTED TO	C129	0.82	1	FLOW	222.	175.
				TIME	27.83	27.92
HYDROGRAPH AT	129	1.66	1	FLOW	482.	379.
				TIME	27.50	27.67
2 COMBINED AT	C129	2.48	1	FLOW	700.	552.
				TIME	27.67	27.75
ROUTED TO	C130	2.48	1	FLOW	669.	528.
				TIME	28.25	28.42
HYDROGRAPH AT	130	1.61	1	FLOW	475.	372.
				TIME	27.42	27.58

2 COMBINED AT	C130	4.09	1	FLOW	1111.	877.
				TIME	27.92	28.17
ROUTED TO	C134	4.09	1	FLOW	1091.	862.
				TIME	28.50	28.67
2 COMBINED AT	C134	321.77	1	FLOW	19776.	16423.
				TIME	65.50	65.67
HYDROGRAPH AT	134	0.77	1	FLOW	279.	235.
				TIME	27.17	27.25
2 COMBINED AT	C134	322.54	1	FLOW	19800.	16443.
				TIME	65.50	65.67

SUMMARY OF DAM OVERTOPPING/BREACH ANALYSIS FOR STATION C97

PLAN 1 .....

	INITIAL VALUE	SPILLWAY CREST	TOP OF DAM
ELEVATION	1335.00	1360.70	1360.70
STORAGE	0.	39849.	39849.
OUTFLOW	0.	99300.	99300.

RATIO OF PMF	MAXIMUM RESERVOIR W.S.ELEV	MAXIMUM DEPTH OVER DAM	MAXIMUM STORAGE AC-FT	MAXIMUM OUTFLOW CFS	DURATION OVER TOP HOURS	TIME OF MAX OUTFLOW HOURS	TIME OF FAILURE HOURS
1.00	1354.98	0.00	24014.	15518.	0.00	63.17	0.00
0.86	1354.68	0.00	23293.	12995.	0.00	63.42	0.00

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

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*                                      *
*  FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*            FEBRUARY 1981             *
*          REVISED 14 JUN 85           *
*                                      *
*      RUN DATE: 07/08/1988            *
*          TIME: 09:17:35.06           *
*                                      *
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o.k.

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*                                      *
*   U.S. ARMY CORPS OF ENGINEERS       *
*  THE HYDROLOGIC ENGINEERING CENTER   *
*          609 SECOND STREET           *
*       DAVIS, CALIFORNIA 95616        *
*                                      *
*  (916) 551-1748 OR (FTS) 448-3285    *
*                                      *
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WTMNPMP

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X     X  XXXXXXX   XXXXX          X
X     X  X        X     X        XX
X     X  X        X              X
XXXXXXX  XXXX     X       XXXXX  X
X     X  X        X              X
X     X  X        X     X        X
X     X  XXXXXXX   XXXXX         XXX
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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE. THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THE VERSION RELEASED 31JAN85 CONTAINS NEW OPTIONS ON RL AND BA RECORDS, AND ADDS THE HL RECORD. SEE JANUARY 1985 INPUT DESCRIPTION FOR NEW DEFINITIONS.

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::::::::::::::::::::::::::::::::::::::::::::
:::            900 ORDINATES             :::
:::            Version  3.1a             :::
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H A E S T A D M E T H O D S
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37 Brookside Road * Waterbury, Connecticut 06708 * (203) 755-1666

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

  1           ID        WTMNPMP
  2           ID
  3           ID
  4           ID       THIS IS THE HEC-1 COMPUTER MODEL FOR THE WITTMANN AREA DRAINAGE MASTER
  5           ID       STUDY.  THIS STUDY IS PREPARED FOR THE FLOOD CONTROL DISTRICT OF
  6           ID       MARICOPA COUNTY BY THE WLB GROUP, INC.
  7           ID
  8           ID
  9           ID       THIS PARTICULAR RUN WILL MODEL THE PROBABLE MAXIMUM STORM WITH A
 10           ID       CORRESPONDING AREALLY DISTRIBUTED POINT RAINFALL OF 15.3".  THIS
 11           ID       IS BASED ON THE AREA THAT GETS TO THE MCMICKEN DAM WHICH IS 247
 12           ID       SQ. MILES.
 13           ID
 14           ID
 15           ID
              *DIAGRAM
 16           IT      5 26JAN87    1200     900
 17           IN    360 26JAN87    1200
 18           ID      5

 19           KK      1
 20           KM       RUNOFF FROM SUBWATERSHED 1.
 21           KM       UNIT HYDROGRAPHS HAVE BEEN COMPUTED FOR EACH MOUNTAINOUS AREA USING THE
 22           KM       CORPS OF ENGINEERS S-GRAPH COMPUTATIONS FOR UNIT HYDROGRAPHS.  THE
 23           KM       S-GRAPH PROGRAM HAS BEEN DEVELOPED FOR THE PHOENIX MOUNTAIN AND PHOENIX
 24           KM       VALLEY AREAS.  THIS SHOULD GIVE A MORE RELIABLE UNIT HYDROGRAPH FOR THE
 25           KM       HEC-1 PROGRAM TO UTILIZE WITHIN THE WITTMANN ADMS AREA.
 26           BA    .088
 27           PB    15.3
 28           PI     .2      .3      .5      .8     1.1     2.2     7.1     1.3      .7      .6
 29           PI     .3      .2
 30           LS      0      81       0
 31           UK    200   .0160     .09     100
 32           RK   2900   .0132     .05            TRAP       0      15

 33           KK    C62L
 34           KM       ROUTE FLOW FROM C1 TO C62L.
 35           RM      1     .54      .2

 36           KK     62L
 37           KM       RUNOFF FROM SUBWATERSHED 62L.
 38           BA    .36
 39           LS      0      79       0
 40           UK    200   .0150     .12     100
 41           RK   1600   .0100     .05     .07              0      15
 42           RK   5500   .0100     .05                     15      15

 43           KK    C62L
 44           KM       ADD HYDROGRAPHS AT C62L.
 45           HC      2
```

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

  46          KK    C62I
  47          KM       ROUTE FLOW FROM C62L TO C62I.
  48          RM      1     .69      .2

  49          KK     62I
  50          KM       RUNOFF FROM SUBWATERSHED 62I.
  51          BA    .54
  52          LS      0      80       0
  53          UK    250   .0150     .12     100
  54          RK   3000   .0076     .05     .09              0      15
  55          RK   7500   .0076     .05                      0      25

  56          KK    C62I
  57          KM       ADD HYDROGRAPHS AT C62I.
  58          HC      2

  59          KK    C62H
  60          KM       ROUTE FLOW FROM C62I TO C62H.
  61          RM      1     .56      .2

  62          KK     62H
  63          KM       RUNOFF FROM SUBWATERSHED 62H.
  64          BA    .55
  65          LS      0      81       0
  66          UK    250   .0150     .12     100
  67          RK   1500   .0082     .05     .11              0      25
  68          RK   8500   .0082     .05                      0      25

  69          KK     62J
  70          KM       RUNOFF FROM SUBWATERSHED 62J.
  71          BA    .88
  72          LS      0      77       0
  73          UK    250   .0150     .12     100
  74          RK   2600   .0089     .05     .22              0      15
  75          RK  12875   .0089     .05                      0      25

  76          KK    C62H
  77          KM       ADD HYDROGRAPHS AT C62H.
  78          HC      3

  79          KK    C62K
  80          KM       ROUTE FLOW FROM C62H TO C62K
  81          RM      1     .13      .2

  82          KK      2
  83          KM       RUNOFF FROM SUBWATERSHED 2.
  84          BA    .50
  85          LS             78
  86          UK    150   .0160     .11     100
  87          RK  10725   .0146     .05                      0      35
```

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

 88           KK    C62M
 89           KM       ROUTE FLOW FROM C2 TO C62M
 90           RM      1     .33      .2

 91           KK     62M
 92           KM       RUNOFF FROM SUBWATERSHED 62M
 93           BA    .24
 94           LS      0      71       0
 95           UK    200   .0150     .12     100
 96           RK    800   .0090     .05     .08              0      15
 97           RK   5000   .0090     .05                     10      15

 98           KK    C62M
 99           KM       ADD HYDROGRAPHS AT C62M
100           HC      2

101           KK    C62K
102           KM       ROUTE FLOW FROM C62M TO C62K
103           RM      1    1.01      .2

104           KK      3
105           KM       RUNOFF FROM SUBWATERSHED 3.
106           BA    .35
107           LS            81
108           UK    100   .0160     .11     100
109           RK   9250   .0132     .05           TRAP       0      25

110           KK    C62K
111           KM       ROUTE FLOW FROM C3 TO C62K.
112           RM      1    1.50      .2

113           KK      4
114           KM       RUNOFF FROM SUBWATERSHED 4.
115           BA    .65
116           LS            80
117           UK    100   .0160     .11     100
118           RK   2800   .0103     .05    .325              0      50
119           RK  13000   .0103     .05                      0      30

120           KK    C62K
121           KM       ROUTE FLOW FROM C4 TO C62K.
122           RM      1    2.06      .2

123           KK      5
124           KM       RUNOFF FROM SUBWATERSHED 5.
125           BA    .35
126           LS            78
127           UK    100   .0160     .10     100
128           RK   7625   .0126     .05                     25       8
```

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

 129          KK    C62K
 130          KM       ROUTE FLOW FROM C5 TO C62K.
 131          RM      1    1.45      .2

 132          KK    C62K
 133          KM       ADD HYDROGRAPHS AT C62K.
 134          HC      5

 135          KK      6
 136          KM       RUNOFF FROM SUBWATERSHED 6.
 137          BA    .03
 138          LS            81
 139          UK    100  .0160    .10    100
 140          RK   1400  .0107    .05                  0     20

 141          KK    C62K
 142          KM       ROUTE FLOW FROM C6 TO C62K.
 143          RM      1    2.29      .2

 144          KK      7
 145          KM       RUNOFF FROM SUBWATERSHED 7.
 146          BA    .04
 147          LS            81
 148          UK    150  .0160    .10    100
 149          RK   3125  .0138    .05                  0     25

 150          KK    C62K
 151          KM       ROUTE FLOW FROM C7 TO C62K.
 152          RM      1    1.72      .2

 153          KK    62K
 154          KM       RUNOFF FROM SUBWATERSHED 62K
 155          BA   1.40
 156          LS      0     76     .11
 157          UK    400  .0150    .07    100
 158          RK   3600  .0093    .05    .23           0     25
 159          RK  17125  .0093    .05                 20     25

 160          KK    C62K
 161          KM       ADD HYDROGRAPHS AT C62K
 162          HC      4

 163          KK    C62G
 164          KM       ROUTE FLOW FROM C62K TO C62G
 165          RM      1     .45      .2

 166          KK      8
 167          KM       RUNOFF FROM SUBWATERSHED 8
 168          BA    .01
 169          LS      0     81      0
 170          UK    100  .0160    .10    100
 171          RK   1000  .0100    .05                  0     30
```

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

 172          KK    C62G
 173          KM       ROUTE FLOW FROM C8 TO C62G
 174          RM      1    3.78      .2

 175          KK      9
 176          KM       RUNOFF FROM SUBWATERSHED 9
 177          BA    .08
 178          LS      0      81       0
 179          UK    150   .0160     .10     100
 180          RK   4750   .0114     .05                     0      25

 181          KK    C62G
 182          KM       ROUTE FLOW FROM C9 TO C62G
 183          RM      1    3.11      .2

 184          KK     62G
 185          KM       RUNOFF FROM SUBWATERSHED 62G
 186          BA   1.86
 187          LS      0      78       0
 188          UK    300   .0150     .12     100
 189          RK   3500   .0105     .05     .27             0      25
 190          RK  18250   .0105     .05                    10      25

 191          KK    C62G
 192          KM       ADD HYDROGRAPHS AT C62G
 193          HC      4

 194          KK    C62E
 195          KM       ROUTE FLOW FROM C62G TO C62E
 196          RM      1     .33      .2

 197          KK     62E
 198          KM       RUNOFF FROM SUBWATERSHED 62E
 199          BA    .68
 200          LS      0      78       0
 201          UK    400    .015     .13     100
 202          RK   3000   .0101     .05     .23   TRAP            20
 203          RK  13625   .0101     .05           TRAP     10     15

 204          KK    C62E
 205          KM       ADD HYDROGRAPHS AT C62E
 206          HC      2

 207          KK     10A
 208          KM       RUNOFF FROM SUBWATERSHED 10A.
 209          BA   4.94
 210          LS      0      83       0
 211          UI      0     160     400     819    1346    1859    1920    2040    1795    1415
 212          UI   1167     991     837     663     560     464     434     408     334     259
 213          UI    246     157     125     120     106      68      66      63      61      59
 214          UI     46      30      29      29      28      24       0       0       0       0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 215          KK     C10
 216          KM        ROUTE FLOW FROM C10A TO C10.
 217          RM      1    1.36      .2

 218          KK      10
 219          KM        RUNOFF FROM SUBWATERSHED 10.
 220          BA    3.93
 221          LS             79
 222          UK     300    .025     .19     100
 223          RK    5500   .0123     .05     .26    TRAP            12
 224          RK   31875   .0123     .05            TRAP     40     12

 225          KK     C10
 226          KM        ADD HYDROGRAPHS AT C10.
 227          HC      2

 228          KK    C62E
 229          KM        ROUTE FLOW FROM C10 TO C62E.
 230          RM      1    1.28      .2

 231          KK      11
 232          KM        RUNOFF FROM SUBWATERSHED 11
 233          BA     .20
 234          LS      0      81       0
 235          UK     200   .0190     .10     100
 236          RK    1300   .0155     .05     .10    TRAP            15
 237          RK    7750   .0155     .05            TRAP     15     10

 238          KK      12
 239          KM        RUNOFF FROM SUBWATERSHED 12
 240          BA    .002
 241          LS      0      81       0
 242          UK     100   .0118     .10     100
 243          RK     850   .0118     .05    .002    TRAP            20

 244          KK     C11
 245          KM        ADD HYDROGRAPHS AT C11.
 246          HC      2

 247          KK    C62E
 248          KM        ROUTE FLOW FROM C11 TO C62E
 249          RM      1    2.88      .2

 250          KK      13
 251          KM        RUNOFF FROM SUBWATERSHED 13
 252          BA     .10
 253          LS      0      81       0
 254          UK     150   .0250     .11     100
 255          RK    2200   .0162     .05     .05    TRAP     0      30
 256          RK    5250   .0162     .05            TRAP     15     10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 257          KK    C62E
 258          KM       ROUTE FLOW FROM C13 TO C62E
 259          RM      1    2.70      .2

 260          KK    C62E
 261          KM       ADD HYDROGRAPHS AT C62E.
 262          HC      4

 263          KK     14
 264          KM       RUNOFF FROM SUBWATERSHED 14
 265          BA    .01
 266          LS      0      81       0
 267          UK    100   .0106     .10     100
 268          RK    850   .0106     .05     .01    TRAP             30

 269          KK    C62E
 270          KM       ROUTE FLOW FROM C14 TO C62E
 271          RM      1    3.93      .2

 272          KK     15
 273          KM       RUNOFF FROM SUBWATERSHED 15
 274          BA    .57
 275          LS      0      81       0
 276          UK    200   .0200     .10     100
 277          RK   3500   .0159     .05     .11    TRAP             25
 278          RK  13875   .0159     .05            TRAP     25       5

 279          KK    C62E
 280          KM       ROUTE FLOW FROM C15 TO C62E
 281          RM      1    2.00      .2

 282          KK     16
 283          KM       RUNOFF FROM SUBWATERSHED 16
 284          BA    .62
 285          LS      0      81       0
 286          UK    200    .025     .10     100
 287          RK   2600   .0166     .05     .09    TRAP             20
 288          RK  13500   .0166     .05            TRAP     25      10

 289          KK    C62E
 290          KM       ROUTE FLOW FROM C16 TO C62E
 291          RM      1    2.29      .2

 292          KK     17
 293          KM       RUNOFF FROM SUBWATERSHED 17
 294          BA    .05
 295          LS      0      81       0
 296          UK    200   .0250     .10     100
 297          RK   2500   .0180     .05     .05    TRAP             20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 298          KK    C62E
 299          KM       ROUTE FLOW FROM C17 TO C62E
 300          RM      1    2.34      .2

 301          KK    C62E
 302          KM       ADD HYDROGRAPHS AT C62E.
 303          HC      5

 304          KK     18
 305          KM       RUNOFF FROM SUBWATERSHED 18
 306          BA    .04
 307          LS      0      81       0
 308          UK    200   .0250     .10     100
 309          RK   2100   .0143     .05     .04    TRAP             15

 310          KK    C62E
 311          KM       ROUTE FLOW FROM C18 TO C62E
 312          RM      1    2.71      .2

 313          KK      1
 314          KM       RUNOFF FROM SUBWATERSHED 19.
 315          BA    .14
 316          LS      0      81       0
 317          UK    200   .0250     .10     100
 318          RK   2500   .0144     .05     .07    TRAP             15
 319          RK   7625   .0144     .05            TRAP             15

 320          KK    C62E
 321          KM       ROUTE FLOW FROM C19 TO C62E
 322          RM      1    2.31      .2

 323          KK     20
 324          KM       RUNOFF FROM SUBWATERSHED 20
 325          BA    .70
 326          LS      0      80       0
 327          UK    200   .0200     .10     100
 328          RK   3500   .0159     .05     .10    TRAP             15
 329          RK  16375   .0159     .05            TRAP     30      10

 330          KK    C62E
 331          KM       ROUTE FLOW FROM C20 TO C62E
 332          RM      1    1.81      .2

 333          KK     21
 334          KM       RUNOFF FROM SUBWATERSHED 21
 335          BA    .02
 336          LS      0      72       0
 337          UK    100   .0142     .11     100
 338          RK   1550   .0142     .05     .02    TRAP             30
```

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

 339          KK    C62E
 340          KM        ROUTE FLOW FROM C21 TO C62E
 341          RM      1    3.36      .2

 342          KK    C62E
 343          KM        ADD HYDROGRAPHS AT C62E.
 344          HC      5

 345          KK     62F
 346          KM        RUNOFF FROM SUBWATERSHED 62F.
 347          BA    2.18
 348          LS             77
 349          UK    400    .015     .12     100
 350          RK   5500   .0095     .05    .545    TRAP            15
 351          RK  22000   .0095     .05            TRAP     50     15

 352          KK    C62E
 353          KM        ADD HYDROGRAPHS AT C62E.
 354          HC      2

 355          KK    C62D
 356          KM        ROUTE FLOW FROM C62E TO C62D
 357          RM      1     .12      .2

 358          KK     62D
 359          KM        RUNOFF FROM SUBWATERSHED 62D
 360          BA    1.66
 361          LS      0      81       0
 362          UK    350   .0110     .13     100
 363          RK   2600    .007     .05     .33    TRAP            20
 364          RK  19750    .007     .05            TRAP     20     15

 365          KK    C62D
 366          KM        ADD HYDROGRAPHS AT C62D
 367          HC      2

 368          KK    C62B
 369          KM        ROUTE FLOW FROM C62D TO C62B
 370          RM      1     .29      .2

 371          KK     62B
 372          KM        RUNOFF FROM SUBWATERSHED 62B
 373          BA    0.49
 374          LS      0      74       0
 375          UK    200    .011     .12     100
 376          RK   1500   .0072     .05    .245    TRAP            25
 377          RK   9750   .0072     .05            TRAP     35     30

 378          KK     62C
 379          KM        RUNOFF FROM SUBWATERSHED 62C
 380          BA    0.40
 381          LS      0      81       0
 382          UK    200    .012     .12     100
 383          RK   1200   .0076     .05     .20    TRAP            20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 384          RK    9250  .0076    .05           TRAP     20     15

 385          KK    C62B
 386          KM       ADD HYDROGRAPHS AT C62B
 387          HC      3

 388          KK     C62
 389          KM       ROUTE FLOW FROM C62B TO C62
 390          RM      1    1.30     .2

 391          KK     62A
 392          KM       RUNOFF FROM SUBWATERSHED 62A
 393          BA    1.58
 394          LS      0      81      0
 395          UK    300    .011    .11    100
 396          RK   2000   .0069    .05   .395   TRAP            30
 397          RK  18000   .0069    .05          TRAP     35     25

 398          KK     C62
 399          KM       ROUTE FLOW FROM C62A TO C62
 400          RM      1    2.15     .2

 401          KK      62
 402          KM       RUNOFF FROM SUBWATERSHED 62
 403          BA    5.09
 404          LS      0      76      0
 405          UK    600   .0065    .11    100
 406          RK   4200   .0045    .05    .73   TRAP            45
 407          RK  22000   .0045    .05          TRAP     35     40

 408          KK     C62
 409          KM       ADD HYDROGRAPHS AT C62
 410          HC      3

 411          KK     C62
 412          KM       STORAGE ROUTE THROUGH C62.  47.3' WIDE OVERCHUTE ON CAP WEST OF GRAND.
 413          RS      1    STOR      0      0
 414          SV      0   16.23  133.39  235.79    350
 415          SQ      0       0     662    2460  43157
 416          SE   1542  1545.2    1548    1552   1554

 417          KK    C83T
 418          KM       ROUTE FLOW AT C62 TO C83T.
 419          RM      1    1.25     .2

 420          KK     83T
 421          KM       RUNOFF FROM SUBWATERSHED 83T
 422          BA    1.29
 423          LS      0      75      0
 424          UK    300    .008    .12    100
 425          RK   2700   .0053    .06    .22   TRAP      0     35
 426          RK  21000   .0053    .05          TRAP     20     30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 427          KK    C83T
 428          KM       ADD HYDROGRAPHS AT C83T.
 429          HC      2

 430          KK     22
 431          KM       RUNOFF FROM SUBWATERSHED 22.
 432          BA    .26
 433          LS             72
 434          UK    400    .020     .10     100
 435          RK   7200   .0132     .05     .26    TRAP             15

 436          KK    C63B
 437          KM       ROUTE FLOW FROM C22 TO C63B.
 438          RM      1    1.64      .2

 439          KK     23
 440          KM       RUNOFF FROM  SUBWATERSHED 23.
 441          BA   .006
 442          LS             72
 443          UK    100   .0143     .10     100
 444          RK    700   .0143     .05    .006    TRAP      0      30

 445          KK    C63B
 446          KM       ROUTE FLOW FROM C23 TO C63B.
 447          RM      1    1.21      .2

 448          KK     24
 449          KM       RUNOFF FROM SUBWATERSHED 24.
 450          BA   .006
 451          LS             72
 452          UK     50   .0118     .10     100
 453          RK    850   .0118     .05    .004    TRAP             30

 454          KK    C63B
 455          KM       ROUTE FLOW FROM C24 TO C63B.
 456          RM      1    1.65      .2

 457          KK     25
 458          KM       RUNOFF FROM SUBWATERSHED 25.
 459          BA    .05
 460          LS             72
 461          UK    150   .0200     .10     100
 462          RK   2450   .0143     .05     .05    TRAP             40

 463          KK    C63B
 464          KM       ROUTE FLOW FROM C25 TO C63B.
 465          RM      1    1.97      .2

 466          KK    C63B
 467          KM       ADD HYDROGRAPHS AT C63B.
 468          HC      4
```

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

469           KK    26B
470           KM       RUNOFF FROM SUBWATERSHED 26B.
471           BA   12.72
472           LS            86
473           UI      0    338    778   1523   2576   3691   4131   4635   4635   4085
474           UI   3258   2817   2330   2215   1580   1471   1204   1050    990    937
475           UI    858    602    574    536    295    283    272    259    157    151
476           UI    146    141    137    163     71     69     67     65     64     62
477           UI     33      0      0      0      0      0      0      0      0      0

478           KK   C26A
479           KM       ROUTE FLOW FROM C26B TO C26A.
480           RM      1    .46     .2

481           KK    26A
482           KM       RUNOFF FROM SUBWATERSHED 26A.
483           BA   2.26
484           LS            79
485           UI      0    110    333    715   1044   1207   1152    847    664    559
486           UI    399    325    268    246    200    151    121     75     70     52
487           UI     39     37     36     32     18     17     17     16      0      0

488           KK   C26A
489           KM       ADD HYDROGRAPHS AT C26A.
490           HC      2

491           KK    C26
492           KM       ROUTE FLOW FROM C26A TO C26.
493           RM      1    .67     .2

494           KK     26
495           KM       RUNOFF FROM SUBWATERSHED 26.
496           BA   1.12
497           LS            74
498           UK    200  .0180    .10    100
499           RK   5500  .0135    .05    .22   TRAP            20
500           RK  19100  .0135    .05          TRAP     60     15

501           KK    C26
502           KM       ADD HYDROGRAPHS AT C26.
503           HC      2

504           KK   C63B
505           KM       ROUTE FLOW FROM C26 TO C63B.
506           RM      1    .53     .2

507           KK     27
508           KM       RUNOFF FROM SUBWATERSHED 27.
509           BA    .06
510           LS            72
511           UK    200   .020    .10    100
512           RK   2700  .0130    .05    .06   TRAP            30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 513          KK    C63B
 514          KM        ROUTE FLOW FROM C27 TO C63B.
 515          RM      1    1.70      .2

 516          KK     63B
 517          KM        RUNOFF FROM SUBWATERSHED 63B.
 518          BA    1.44
 519          LS             81
 520          UK     250    .015     .12     100
 521          RK    2100   .0111     .05     .20    TRAP             15
 522          RK   14500   .0111     .05            TRAP     25      20

 523          KK    C63B
 524          KM        ADD HYDROGRAPHS AT C63B.
 525          HC      4

 526          KK    C63C
 527          KM        ROUTE FLOW FROM C63B TO C63C.
 528          RM      1     .32      .2

 529          KK      28
 530          KM        RUNOFF FROM SUBWATERSHED 28.
 531          BA     .24
 532          LS             75
 533          UK     200    .020     .10     100
 534          RK    2000   .0147     .05     .08    TRAP             25
 535          RK    7500   .0147     .05            TRAP     10       8

 536          KK    C63C
 537          KM        ROUTE FLOW FROM C28 TO C63C.
 538          RM      1    4.04      .2

 539          KK      29
 540          KM        RUNOFF FROM SUBWATERSHED 29.
 541          BA     .01
 542          LS             81
 543          UK     100   .0300     .10     100
 544          RK    1150   .0174     .05     .01    TRAP             40

 545          KK    C63C
 546          KM        ROUTE FLOW FROM C29 TO C63C.
 547          RM      1    4.69      .2

 548          KK      30
 549          KM        RUNOFF FROM SUBWATERSHED 30.
 550          BA     .01
 551          LS             81
 552          UK     100   .0300     .10     100
 553          RK    1100   .0182     .05     .01    TRAP             15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 554          KK    C63C
 555          KM       ROUTE FLOW FROM C30 TO C63C.
 556          RM      1    3.88      .2

 557          KK      31
 558          KM       RUNOFF FROM SUBWATERSHED 31.
 559          BA    .63
 560          LS             77
 561          UK    200   .0300     .10     100
 562          RK   3000  . 0143     .06     .16    TRAP            10
 563          RK  17500   .0143     .05            TRAP     15     12

 564          KK    C63C
 565          KM       ROUTE FLOW FROM C31 TO C63C.
 566          RM      1    2.74      .2

 567          KK    C63C
 568          KM       ADD HYDROGRAPHS AT C63C.
 569          HC      5

 570          KK      32
 571          KM       RUNOFF FROM SUBWATERSHED 32.
 572          BA    .05
 573          LS             81
 574          UK    200   .0200     .10     100
 575          RK   3000   .0133     .05     .05    TRAP            35

 576          KK    C63C
 577          KM       ROUTE FLOW FROM C32 TO C63C.
 578          RM      1    3.76      .2

 579          KK      33
 580          KM       RUNOFF FROM SUBWATERSHED 33.
 581          BA    .02
 582          LS             81
 583          UK    100   .0200     .10     100
 584          RK   1250   .0160     .05     .02    TRAP            30

 585          KK    C63C
 586          KM       ROUTE FLOW FROM C33 TO C63C.
 587          RM      1    4.85      .2

 588          KK     63C
 589          KM       RUNOFF FROM SUBWATERSHED 63C.
 590          BA   1.70
 591          LS             83
 592          UK    200    .015     .12     100
 593          RK   2000   .0108     .05     .28    TRAP            15
 594          RK  15250   .0108     .05            TRAP     25     20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 595          KK    C63C
 596          KM       ADD HYDROGRAPHS AT C63C.
 597          HC      4

 598          KK     C63
 599          KM       ROUTE FLOW FROM C63C TO C63.
 600          RM      1    1.16      .2

 601          KK     63A
 602          KM       RUNOFF FROM SUBWATERSHED 63A.
 603          BA    2.67
 604          LS             78
 605          UK     350     .01     .12     100
 606          RK    5200    .010     .05     .24    TRAP            20
 607          RK   21250    .010     .05            TRAP     25     25

 608          KK     C63
 609          KM       ROUTE FLOW FROM C63A TO C63.
 610          RM      1    1.06      .2

 611          KK      63
 612          KM       RUNOFF FROM SUBWATERSHED 63.
 613          BA    2.78
 614          LS             78
 615          UK     400     .01     .12     100
 616          RK    3000   .0076     .05     .70    TRAP     10     25
 617          RK   20750   .0076     .05            TRAP     60     40

 618          KK     C63
 619          KM       ADD HYDROGRAPHS AT C63.
 620          HC      3

 621          KK     C63
 622          KM       STORAGE ROUTE THROUGH C63.  135.8' WIDE OVERCHUTE ON CAP WEST OF GRAND.
 623          RS      1    STOR       0       0
 624          SV      0    5.34   60.37   122.3     142
 625          SQ      0    2310    9506   20740   54560
 626          SE  1544.9    1548  1553.4    1556    1557

 627          KK    C83T
 628          KM       ROUTE FLOW FROM C63 TO C83T
 629          RM      1    1.69      .2

 630          KK     84T
 631          KM       RUNOFF FROM SUBWATERSHED 84T
 632          BA    1.81
 633          LS      0      74       0
 634          UK     400    .006     .13     100
 635          RK    6000   .0037     .06     .36    TRAP      0     35
 636          RK   21800   .0037     .05            TRAP     40     30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 637          KK    C83T
 638          KM        ADD HYDROGRAPHS AT C83T
 639          HC       2

 640          KK    C83T
 641          KM        ADD HYDROGRAPHS AT C83T.
 642          HC       2

 643          KK    C78T
 644          KM        ROUTE FLOW FROM C83T TO C78T
 645          RM       1     .26      .2

 646          KK     60D
 647          KM        RUNOFF FROM SUBWATERSHED 60D.
 648          BA    1.78
 649          LS             85
 650          UK     400   .0150     .12     100
 651          RK    2200   .0075     .05     .59    TRAP             20
 652          RK   14875   .0075     .05            TRAP      25     20

 653          KK    C60B
 654          KM        ROUTE FLOW FROM C60D TO C60B.
 655          RM       1    1.37      .2

 656          KK     60B
 657          KM        RUNOFF FROM SUBWATERSHED 60B.
 658          BA    3.53
 659          LS             83
 660          UK     400   .0089     .12     100
 661          RK    2600   .0069     .05     .76    TRAP             25
 662          RK   28250   .0069     .05            TRAP      30     20

 663          KK    C60B
 664          KM        ADD HYDROGRAPHS AT C60B.
 665          HC       2

 666          KK    C60A
 667          KM        ROUTE FLOW FROM C60B TO C60A.
 668          RM       1     .59      .2

 669          KK     60C
 670          KM        RUNOFF FROM SUBWATERSHED 60C.
 671          BA    1.19
 672          LS             81
 673          UK     400    .010     .11     100
 674          RK    2800    .007     .05     .17    TRAP             20
 675          RK   11000    .007     .05            TRAP      25     20

 676          KK    C60A
 677          KM        ROUTE FLOW FROM C60C TO C60A.
 678          RM       1    1.88      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 679          KK     60A
 680          KM        RUNOFF FROM SUBWATERSHED 60A.
 681          BA    2.88
 682          LS              81
 683          UK     250   .0089     .12     100
 684          RK    1800   .0069     .05     .72   TRAP            25
 685          RK   21125   .0069     .05           TRAP     30     20

 686          KK    C60A
 687          KM        ADD HYDROGRAPHS AT C60A.
 688          HC       3

 689          KK     C60
 690          KM        ROUTE FLOW FROM C60A TO C60.
 691          RM       1     .54      .2

 692          KK      60
 693          KM        RUNOFF FROM SUBWATERSHED 60.
 694          BA    3.29
 695          LS              82
 696          UK     500   .0104     .11     100
 697          RK    4200   .0064     .05     .83   TRAP            30
 698          RK   23500   .0064     .05           TRAP     30     30

 699          KK     C60
 700          KM        ADD HYDROGRAPHS AT C60.
 701          HC       2

 702          KK      59
 703          KM        RUNOFF FROM SUBWATERSHED 59.
 704          BA    2.29
 705          LS              79
 706          UK     500    .009     .11     100
 707          RK    3500   .0059     .05     .76   TRAP            30
 708          RK   21000   .0059     .05           TRAP     30     30

 709          KK     C60
 710          KM        ROUTE FLOW FROM C59 TO C60.
 711          RM       1     .94      .2

 712          KK     C60
 713          KM        ADD HYDROGRAPHS AT C60.
 714          HC       2

 715          KK      61
 716          KM        RUNOFF FROM SUBWATERSHED 61.
 717          BA    1.27
 718          LS              83
 719          UK     350   .0084     .11     100
 720          RK    2450   .0064     .05     .25   TRAP            35
 721          RK   12500   .0064     .05           TRAP     30     40
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 722          KK     C60
 723          KM        ROUTE FLOW FROM C61 TO C60.
 724          RM      1     .60      .2

 725          KK     C60
 726          KM        ADD HYDROGRAPHS AT C60.
 727          HC      2

 728          KK     C60
 729          KM        STORAGE ROUTE THROUGH C60.  67' WIDE OVERCHUTE ON CAP WEST OF GRAND.
 730          RS      1    STOR       0       0
 731          SV      0   11.41   62.95  549.65  570.12     600
 732          SQ      0       0    1876    5695    8237   19605
 733          SE   1533  1535.6    1540  1545.1    1546  1546.5

 734          KK    C89T
 735          KM        ROUTE FLOW AT C60 TO C89T.
 736          RM      1     .39      .2

 737          KK     88T
 738          KM        RUNOFF FROM SUBWATERSHED 88T
 739          BA    .63
 740          LS      0      75       0
 741          UK    200    .007     .13     100
 742          RK   2500   .0048     .06     .21    TRAP      0      25
 743          RK   6300   .0048     .05            TRAP     30      20

 744          KK    C89T
 745          KM        ADD HYDROGRAPHS AT C89T
 746          HC      2

 747          KK     90T
 748          KM        RUNOFF FROM SUBWATERSHED 90T
 749          BA   2.23
 750          LS      0      74       0
 751          UK    200    .016     .13     100
 752          RK   4500   .0133     .07     .74    TRAP      0      35
 753          RK  19000   .0133     .05            TRAP     20      30

 754          KK    C89T
 755          KM        ROUTE FLOW FROM C90T TO C89T
 756          RM      1     .88      .2

 757          KK    89AT
 758          KM        RUNOFF FROM SUBWATERSHED 89AT
 759          BA   2.69
 760          LS      0      80       0
 761          UI      0      59      119     188     294     440     594     746     918    1018
 762          UI    938    1052     1052    1052     852     752     703     622     540     510
 763          UI    527     367      350     334     308     249     240     230     222     214
 764          UI    207     193      138     134     130     126     103      67      65      64
 765          UI     62      60       56      36      35      34      33      33      32      31
 766          UI     31      30       31      16      16      15      15      15      15      14
 767          UI     14      14        6       0       0       0       0       0       0       0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 768          KK    C89T
 769          KM        ROUTE FLOW FROM C89AT TO C89T
 770          RM       1    1.24      .2

 771          KK     89T
 772          KM        RUNOFF FROM SUBWATERSHED 89T
 773          BA    3.39
 774          LS       0      73       0
 775          UK     250     .01     .14     100
 776          RK    4800   .0075     .06     .57    TRAP       0      30
 777          RK   16100   .0075     .05            TRAP      25      25

 778          KK    C89T
 779          KM        ADD HYDROGRAPHS AT C89T.
 780          HC       4

 781          KK    C87T
 782          KM        ROUTE FLOW FROM C89T TO C87T
 783          RM       1     .58      .2

 784          KK     87T
 785          KM        RUNOFF FROM SUBWATERSHED 87T
 786          BA    1.77
 787          LS       0      74       0
 788          UK     200    .008     .13     100
 789          RK    4200   .0049     .06     .35    TRAP       0      30
 790          RK   14300   .0049     .05            TRAP      30      25

 791          KK    C87T
 792          KM        ADD HYDROGRAPHS AT C87T.
 793          HC       2

 794          KK    86AT
 795          KM        RUNOFF FROM SUBWATERSHED 86AT
 796          BA    2.77
 797          LS       0      82       0
 798          UI       0     132     315     627    1048    1481    1628    1765    1765    1359
 799          UI    1182     950     846     708     573     495     406     381     359     335
 800          UI     230     219     196     112     107     103      88      59      57      55
 801          UI      53      51      49      27      26      25      24      24      16       0
 802          UI       0       0       0       0       0       0       0       0       0       0

 803          KK    C87T
 804          KM        ROUTE FLOW FROM C86AT TO C87T
 805          RM       1    1.39      .2

 806          KK     86T
 807          KM        RUNOFF FROM SUBWATERSHED 86T
 808          BA    3.10
 809          LS       0      73       0
 810          UK     350    .016     .15     100
 811          RK    8200   .0120     .07     .34    TRAP       0      30
 812          RK   24050   .0120     .05            TRAP      20      25
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 813          KK    85T
 814          KM       RUNOFF FROM SUBWATERSHED 85T
 815          BA   4.75
 816          LS      0     80      0
 817          UI      0     86    174    246    405    548    787    989   1202   1448
 818          UI   1573   1452   1646   1646   1646   1610   1242   1167   1100    997
 819          UI    855    813    775    754    565    542    520    501    380    378
 820          UI    366    354    342    332    322    299    216    210    205    199
 821          UI    194    125    104    102     99     97     95    102     56     55
 822          UI     54     53     52     51     50     49     48     47     63     25
 823          UI     25     25     24     24     23     23     23     22     22     22
 824          UI      7      0      0      0      0      0      0      0      0      0

 825          KK   C87T
 826          KM       ADD HYDROGRAPHS AT C87T
 827          HC      4

 828          KK   C81T
 829          KM       ROUTE FLOW FROM C87T TO C81T
 830          RM      1    .29     .2

 831          KK    81T
 832          KM       RUNOFF FROM SUBWATERSHED 81T
 833          BA   1.40
 834          LS      0     75      0
 835          UK    250   .017    .14    100
 836          RK   3000  .0121    .07    .47   TRAP      0     30
 837          RK  13500  .0121    .05          TRAP     20     25

 838          KK   C81T
 839          KM       ADD HYDROGRAPHS AT C81T.
 840          HC      2

 841          KK    80T
 842          KM       RUNOFF FROM SUBWATERSHED 80T
 843          BA   1.83
 844          LS      0     82      0
 845          UI      0     70    152    289    499    704    914    940   1016   1016
 846          UI    843    707    617    514    514    353    330    297    237    225
 847          UI    213    203    180    132    126    126     65     63     61     58
 848          UI     46     34     33     32     31     30     29     24     15     15
 849          UI     14     14     14     13      3      0      0      0      0      0

 850          KK    82T
 851          KM       RUNOFF FROM SUBWATERSHED 82T
 852          BA   1.59
 853          LS      0     75      0
 854          UK    300   .007    .15    100
 855          RK   3200  .0053    .06    .40   TRAP      0     35
 856          RK  20600  .0053    .05          TRAP     15     30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 857          KK    C81T
 858          KM        ADD HYDROGRAPHS AT C81T
 859          HC       3

 860          KK    C78T
 861          KM        ROUTE FLOW FROM C81T TO C78T
 862          RM       1     .23      .2

 863          KK    C78T
 864          KM        ADD HYDROGRAPHS AT C78T.
 865          HC       2

 866          KK     78T
 867          KM        RUNOFF FROM SUBWATERSHED 78T
 868          BA    1.10
 869          LS       0      72       0
 870          UK     300    .009     .15     100
 871          RK    3400   .0063     .06     .28    TRAP      0      35
 872          RK    8200   .0063     .05            TRAP     70      30

 873          KK    C78T
 874          KM        ADD HYDROGRAPHS AT C78T
 875          HC       2

 876          KK    C76T
 877          KM        ROUTE FLOW FROM C78T TO C76T
 878          RM       1     .69      .2

 879          KK     79T
 880          KM        RUNOFF FROM SUBWATERSHED 79T
 881          BA     2.8
 882          LS       0      72       0
 883          UK     200    .009     .15     100
 884          RK    4600   .0059     .06     .40    TRAP      0      35
 885          RK   21100   .0059     .05            TRAP     25      30

 886          KK    C76T
 887          KM        ROUTE FLOW FROM C79T TO C76T
 888          RM       1    1.30      .2

 889          KK    C76T
 890          KM        ADD HYDROGRAPHS AT C76T.
 891          HC       2

 892          KK     77T
 893          KM        RUNOFF FROM SUBWATERSHED 77T
 894          BA    2.15
 895          LS       0      77       0
 896          UI       0     127     328     684    1138    1377    1563    1563    1196    1013
 897          UI     795     719     523     464     362     337     315     263     199     188
 898          UI     113      95      91      71      52      49      48      46      44      24
 899          UI      23      22      21      21       1       0       0       0       0       0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 900          KK    C76T
 901          KM       ROUTE FLOW FROM C77T TO C76T
 902          RM      1    1.00      .2

 903          KK    C76T
 904          KM       ADD HYDROGRAPHS AT C76T.
 905          HC      2

 906          KK     76T
 907          KM       RUNOFF FROM SUBWATERSHED 76T
 908          BA    4.11
 909          LS      0      72       0
 910          UK    300    .007     .14     100
 911          RK   7000   .0062     .06     .16    TRAP      0      35
 912          RK  22100   .0062     .05            TRAP     80      30

 913          KK    C76T
 914          KM       ADD HYDROGRAPHS AT C76T
 915          HC      2

 916          KK     66
 917          KM       RUNOFF FROM SUBWATERSHED 66
 918          BA    .54
 919          LS      0      73       0
 920          UK    300   .0195     .11     100
 921          RK   2000   .0182     .07     .14    TRAP      0      20
 922          RK   7700   .0182     .05            TRAP     20      15

 923          KK     C67
 924          KM       ROUTE FLOW FROM C66 TO C67
 925          RM      1     .28      .2

 926          KK     67
 927          KM       RUNOFF FROM SUBWATERSHED 67
 928          BA    6.20
 929          LS      0      84       0
 930          UI      0      98     198     270     434     579     823    1059    1287    1528
 931          UI   1787    1927    1716    1976    1976    1976    1976    1606    1436    1358
 932          UI   1289    1114    1012     967     926     906     679     654     630     608
 933          UI    501     462     447     433     420     408     396     386     363     260
 934          UI    254     248     242     236     203     127     124     121     119     116
 935          UI    114     128      68      67      65      64      63      62      61      60
 936          UI     59      58      57      78      31      30      30      29      29      28
 937          UI     28      28      27      27      26      26       9       0       0       0

 938          KK     C67
 939          KM       ADD HYDROGRAPHS AT C67
 940          HC      2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 941          KK     C68
 942          KM        ROUTE FLOW FROM C67 TO C68
 943          RM      1     .16      .2

 944          KK      68
 945          KM        RUNOFF FROM SUBWATERSHED 68
 946          BA    1.67
 947          LS      0      81       0
 948          UI      0      44      90     157     244     373     490     626     709     665
 949          UI    737     737     687     542     501     447     378     355     344     252
 950          UI    239     228     180     169     161     155     149     143     113      95
 951          UI     92      89      70      47      45      44      43      44      25      24
 952          UI     24      23      23      22      22      21      22      11      11      11
 953          UI     11      10      10      10      10       4       0       0       0       0

 954          KK     C68
 955          KM        ADD HYDROGRAPHS AT C68
 956          HC      2

 957          KK     C69
 958          KM        ROUTE FLOW FROM C68 TO C69
 959          RM      1     .54      .2

 960          KK      69
 961          KM        RUNOFF FROM SUBWATERSHED 69
 962          BA    .71
 963          LS      0      73       0
 964          UK    300   .0182     .09     100
 965          RK   1700   .0164     .07     .14    TRAP      0      15
 966          RK   9000   .0164     .05            TRAP     20      10

 967          KK     C69
 968          KM        ADD HYDROGRAPHS AT C69
 969          HC      2

 970          KK     C70
 971          KM        ROUTE FLOW FROM C69 TO C70
 972          RM      1     .25      .2

 973          KK     70A
 974          KM        RUNOFF FROM SUBWATERSHED 70A
 975          BA    5.87
 976          LS      0      85       0
 977          UI      0     138     281     460     700    1100    1446    1817    2191    2148
 978          UI   2405    2405    2405    2186    1763    1641    1495    1249    1177    1228
 979          UI    841     800     763     691     567     544     523     503     485     468
 980          UI    383     311     301     292     285     155     150     146     142     139
 981          UI    134      82      80      78      76      74      73      71      70      90
 982          UI     37      36      36      35      34      34      33      32      32      19
 983          UI      0       0       0       0       0       0       0       0       0       0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 984          KK     C70
 985          KM        ROUTE FLOW FROM C70A TO C70
 986          RM      1     .60      .2

 987          KK      70
 988          KM        RUNOFF FROM SUBWATERSHED 70
 989          BA    1.03
 990          LS      0      76       0
 991          UK    350    .025     .10     100
 992          RK   2100   .0162     .07     .20    TRAP      0      20
 993          RK  15000   .0162     .05            TRAP     35      15

 994          KK     C70
 995          KM        ADD HYDROGRAPHS AT C70
 996          HC      3

 997          KK     C71
 998          KM        ROUTE FLOW FROM C70 TO C71
 999          RM      1     .98      .2

1000          KK      71
1001          KM        RUNOFF FROM SUBWATERSHED 71
1002          BA     .83
1003          LS      0      72       0
1004          UK    300    .025     .11     100
1005          RK   2100   .0159     .07     .16    TRAP      0      20
1006          RK  10400   .0159     .05            TRAP     25      15

1007          KK     C71
1008          KM        ADD HYDROGRAPHS AT C71
1009          HC      2

1010          KK     C72
1011          KM        ROUTE FLOW FROM C71 TO C72
1012          RM      1     .25      .2

1013          KK      72
1014          KM        RUNOFF FROM SUBWATERSHED 72
1015          BA    2.10
1016          LS      0      78       0
1017          UI      0      72     149     285     472     680     906     961    1084    1084
1018          UI   1084     811     740     640     546     508     427     356     335     260
1019          UI    245     233     222     212     167     139     133     128      69      67
1020          UI     65      63      54      36      35      34      33      32      32      37
1021          UI     17      16      16      15      15      15      14       7       0       0

1022          KK     C72
1023          KM        ADD HYDROGRAPHS AT C72
1024          HC      2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1025          KK     C73
1026          KM        ROUTE FLOW FROM C72 TO C73
1027          RM      1    1.48      .2

1028          KK      73
1029          KM        RUNOFF FROM SUBWATERSHED 73
1030          BA    4.32
1031          LS      0      77       0
1032          UI      0     147     306     586     971    1399    1863    1978    2230    2230
1033          UI   2230    1668    1523    1316    1123    1046     879     732     690     534
1034          UI    503     478     456     436     344     285     274     263     143     138
1035          UI    133     129     112      75      73      71      69      67      65      76
1036          UI     34      33      33      32      31      30      30      15       0       0

1037          KK     C73
1038          KM        ADD HYDROGRAPHS AT C73
1039          HC      2

1040          KK     C74
1041          KM        ROUTE FLOW FROM C73 TO C74
1042          RM      1    1.13      .2

1043          KK      75
1044          KM        RUNOFF FROM SUBWATERSHED 75
1045          BA    1.51
1046          LS      0      83       0
1047          UI      0      57     123     232     402     566     738     765     829     829
1048          UI    710     583     518     424     393     334     272     256     194     185
1049          UI    176     167     159     109     104     100      70      52      50      48
1050          UI     43      28      27      26      25      25      24      24      13      12
1051          UI     12      12      11      11       8       0       0       0       0       0

1052          KK     C74
1053          KM        ROUTE FLOW FROM C75 TO C74
1054          RM      1     .79      .2

1055          KK      74
1056          KM        RUNOFF FROM SUBWATERSHED 74
1057          BA    1.26
1058          LS      0      72       0
1059          UK    350   .0095     .11     100
1060          RK   3500   .0073     .06     .25   TRAP      0      45
1061          RK   8500   .0073     .05           TRAP     25      40

1062          KK     C74
1063          KM        ADD HYDROGRAPHS AT C74
1064          HC      3

1065          KK    C76T
1066          KM        ROUTE FLOW AT C74 TO C76T.
1067          RM      1     .31      .2
```

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

1068          KK    C76T
1069          KM       ADD HYDROGRAPHS AT C76T.
1070          HC      2

1071          KK     C91
1072          KM       ROUTE FLOW FROM C76T TO C91
1073          RM      1     .25      .2

1074          KK      34
1075          KM       RUNOFF FROM SUBWATERSHED 34.
1076          BA    .34
1077          LS             81
1078          UK    150     .02     .10     100
1079          RK   3200   .0136     .05     .41   TRAP            20
1080          RK  11750   .0136     .05           TRAP     10     10

1081          KK    C64A
1082          KM       ROUTE FLOW FROM C34 TO C64A.
1083          RM      1    2.81      .2

1084          KK      35
1085          KM       RUNOFF FROM SUBWATERSHED 35.
1086          BA    .34
1087          LS             81
1088          UK    200    .020     .10     100
1089          RK   3200   .0136     .05     .11   TRAP            20
1090          RK  10875   .0138     .05           TRAP     15     20

1091          KK    C64A
1092          KM       ROUTE FLOW FROM C35 TO C64A.
1093          RM      1    2.13      .2

1094          KK     64A
1095          KM       RUNOFF FROM SUBWATERSHED 64A.
1096          BA   1.99
1097          LS             79
1098          UK    300    .012     .11     100
1099          RK   3000   .0086     .05     .33   TRAP            20
1100          RK  19000   .0086     .05           TRAP     20     25

1101          KK    C64A
1102          KM       ADD HYDROGRAPHS AT C64A.
1103          HC      3

1104          KK     C64
1105          KM       ROUTE FLOW FROM C64A TO C64.
1106          RM      1     .96      .2

1107          KK      36
1108          KM       RUNOFF FROM SUBWATERSHED 36.
1109          BA   3.64
1110          LS             80
1111          UK    200    .020     .10     100
1112          RK   5600   .0159     .05     .32   TRAP      5     20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1113          RK   43875  .0159    .05          TRAP     15     40

1114          KK    C64B
1115          KM       ROUTE FLOW FROM C36 TO C64B.
1116          RM      1    1.02     .2

1117          KK      37
1118          KM       RUNOFF FROM SUBWATERSHED 37.
1119          BA    2.71
1120          LS            80
1121          UK    200   .020    .10    100
1122          RK   5600  .0159    .05    .32   TRAP      5     25
1123          RK  39875  .0159    .05          TRAP     25     40

1124          KK    C64B
1125          KM       ROUTE FLOW FROM C37 TO C64B.
1126          RM      1    1.09     .2

1127          KK     64B
1128          KM       RUNOFF FROM SUBWATERSHED 64B.
1129          BA    1.93
1130          LS            81
1131          UK    300   .012    .12    100
1132          RK   3000   .009    .05    .27   TRAP            20
1133          RK  15500   .009    .05          TRAP     20     25

1134          KK    C64B
1135          KM       ADD HYDROGRAPHS AT C64B.
1136          HC      3

1137          KK     C64
1138          KM       ROUTE FLOW FROM C64B TO C64.
1139          RM      1     .72     .2

1140          KK      64
1141          KM       RUNOFF FROM SUBWATERSHED 64.
1142          BA    3.52
1143          LS            78
1144          UK    500   .010    .13    100
1145          RK   6000  .0056    .05    .50   TRAP     10     25
1146          RK   9100  .0056    .05          TRAP     80     40

1147          KK     C64
1148          KM       ADD HYDROGRAPHS AT C64.
1149          HC      3

1150          KK     C64
1151          KM       STORAGE ROUTE THROUGH C64.  87.1' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1152          RS      1    STOR      0      0
1153          SV      0   32.46  350.14  629.41
1154          SQ      0      0    2265    3920
1155          SE   1541  1544.7    1549  1550.9
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1156          KK     C95
1157          KM        ROUTE FLOW FROM C64 TO C95.
1158          RM      1    1.13      .2

1159          KK      95
1160          KM        RUNOFF FROM SUBWATERSHED 95
1161          BA    1.72
1162          LS      0      76       0
1163          UK    200    .009     .14     100
1164          RK   3300   .0062     .06     .34    TRAP      0      30
1165          RK  16900   .0062     .05            TRAP     50      25

1166          KK     C95
1167          KM        ADD HYDROGRAPHS AT C95.
1168          HC      2

1169          KK      96
1170          KM        RUNOFF FROM SUBWATERSHED 96
1171          BA    1.89
1172          LS      0      72       0
1173          UK    250     .01     .13     100
1174          RK   4000   .0074     .06     .31    TRAP      0      30
1175          RK  10200   .0074     .05            TRAP     25      25

1176          KK     C95
1177          KM        ROUTE FLOW FROM C96 TO C95
1178          RM      1     .47      .2

1179          KK      94
1180          KM        RUNOFF FROM SUBWATERSHED 94
1181          BA     .53
1182          LS      0      72       0
1183          UK    200    .012     .14     100
1184          RK   2100   .0082     .06     .17    TRAP      0      30
1185          RK   9150   .0082     .05            TRAP     30      25

1186          KK     C95
1187          KM        ADD HYDROGRAPHS AT C95.
1188          HC      2

1189          KK     C95
1190          KM        ADD HYDROGRAPHS AT C95
1191          HC      2

1192          KK     C93
1193          KM        ROUTE FLOW FROM C95 TO C93
1194          RM      1    1.10      .2

1195          KK      93
1196          KM        RUNOFF FROM SUBWATERSHED 93
1197          BA    1.16
1198          LS      0      72       0
1199          UK    200    .007     .15     100
1200          RK   3600   .0048     .06     .29    TRAP      0      40
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1201          RK   14200   .0048     .05            TRAP      40      35

1202          KK     C93
1203          KM        ADD HYDROGRAPHS AT C93.
1204          HC       2

1205          KK      92
1206          KM        RUNOFF FROM SUBWATERSHED 92
1207          BA    1.55
1208          LS       0      72       0
1209          UK     250    .009     .15     100
1210          RK    4300   .0064     .06     .38   TRAP       0      40
1211          RK   19800   .0064     .05           TRAP      40      35

1212          KK     C93
1213          KM        ADD HYDROGRAPHS AT C93
1214          HC       2

1215          KK     C91
1216          KM        ROUTE FLOW FROM C93 TO C91
1217          RM       1     .58      .2

1218          KK     C91
1219          KM        ADD HYDROGRAPHS AT C91.
1220          HC       2

1221          KK      91
1222          KM        RUNOFF FROM SUBWATERSHED 91
1223          BA    1.12
1224          LS       0      75       0
1225          UK     300     .01     .15     100
1226          RK    4500   .0055     .06     .28   TRAP       0      45
1227          RK   10800   .0055     .05           TRAP      40      40

1228          KK     C91
1229          KM        ADD HYDROGRAPHS AT C91
1230          HC       2

1231          KK     C97
1232          KM        ROUTE FLOW FROM C91 TO C97.
1233          RM       1    1.58      .2

1234          KK      38
1235          KM        RUNOFF FROM SUBWATERSHED 38.
1236          BA    8.65
1237          LS              78
1238          UK     200    .020     .10     100
1239          RK    9500   .0180     .05     .51   TRAP       5      30
1240          RK   52000   .0164     .05           TRAP      15      50
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1241          KK     C65
1242          KM        ROUTE FLOW FROM C38 TO C65.
1243          RM      1    1.33      .2

1244          KK      39
1245          KM        RUNOFF FROM SUBWATERSHED 39.
1246          BA    .76
1247          LS             72
1248          UK     300    .015     .10     100
1249          RK    5000   .0114     .05     .17    TRAP            30
1250          RK   11000   .0114     .05            TRAP     10     40

1251          KK     C65
1252          KM        ROUTE FLOW FROM C39 TO C65.
1253          RM      1    1.64      .2

1254          KK     40A
1255          KM        RUNOFF FROM SUBWATERSHED 40A.
1256          BA   7.11
1257          LS             75
1258          UK     300    .025     .10     100
1259          RK   13000   .0173     .05     .42    TRAP     15     20
1260          RK   47500   .0173     .05            TRAP     60     10

1261          KK     C40
1262          KM        ROUTE FLOW FROM C40A TO C40.
1263          RM      1     .49      .2

1264          KK     40E
1265          KM        RUNOFF FROM SUBWATERSHED 40E.
1266          BA    .14
1267          LS             72
1268          UK     200    .016     .11     100
1269          RK    4500   .0149     .05     .14    TRAP     10     15

1270          KK    C40C
1271          KM        ROUTE FLOW FROM C40E TO C40C.
1272          RM      1     .34      .2

1273          KK     40F
1274          KM        RUNOFF FROM SUBWATERSHED 40F.
1275          BA   3.51
1276          LS             78
1277          UK     200    .025     .11     100
1278          RK    5000   .0232     .05     .35    TRAP            15
1279          RK   34675   .0232     .05            TRAP     20     15

1280          KK    C40C
1281          KM        ROUTE FLOW FROM C40F TO C40C.
1282          RM      1     .16      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1283          KK    40C
1284          KM       RUNOFF FROM SUBWATERSHED 40C.
1285          BA    .21
1286          LS            74
1287          UK    200   .020     .11     100
1288          RK   1000  .0116     .05     .04   TRAP            15
1289          RK   3700  .0116     .05           TRAP     20     15

1290          KK    C40C
1291          KM       ADD HYDROGRAPHS AT C40C.
1292          HC      3

1293          KK    C40B
1294          KM       ROUTE FLOW FROM C40C TO C40B.
1295          RM      1     .18      .2

1296          KK    40J
1297          KM       RUNOFF FROM SUBWATERSHED 40J.
1298          BA   3.24
1299          LS            85
1300          UI      0    278    1015    1946    2334    1888    1323     983     693     520
1301          UI    472    300     228     141     114      76      71      65      35      33
1302          UI     31      0       0       0       0       0       0       0       0       0

1303          KK    C40H
1304          KM       ROUTE FLOW FROM C40J TO C40H.
1305          RM      1     .37      .2

1306          KK    40H
1307          KM       RUNOFF FROM SUBWATERSHED 40H.
1308          BA    .67
1309          LS            83
1310          UK    200   .020     .11     100
1311          RK   3000  .0173     .05     .11   TRAP            20
1312          RK   9900  .0173     .05           TRAP     40     10

1313          KK    C40H
1314          KM       ADD HYDROGRAPHS AT C40H.
1315          HC      2

1316          KK    C40G
1317          KM       ROUTE FLOW FROM C40H TO C40G.
1318          RM      1     .50      .2

1319          KK    40I
1320          KM       RUNOFF FROM SUBWATERSHED 40I.
1321          BA   1.65
1322          LS            83
1323          UI      0     81     243     522     762     881     841     618     484     408
1324          UI    291    237     196     180     146     110      88      55      51      38
1325          UI     29     27      26      24      13      13      12      11       0       0
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1326          KK    C40G
1327          KM        ROUTE FLOW FROM C40I TO C40G.
1328          RM      1     .66      .2

1329          KK    C40G
1330          KM        ADD HYDROGRAPHS AT C40G.
1331          HC      2

1332          KK     40G
1333          KM        RUNOFF FROM SUBWATERSHED 40G.
1334          BA    2.05
1335          LS              79
1336          UK    200    .020     .11     100
1337          RK   5000   .0152     .05     .20   TRAP            25
1338          RK  17900   .0152     .05           TRAP     50     10

1339          KK    C40G
1340          KM        ADD HYDROGRAPHS AT C40G.
1341          HC      2

1342          KK    C40D
1343          KM        ROUTE FLOW FROM C40G TO C40D.
1344          RM      1     .12      .2

1345          KK     40D
1346          KM        RUNOFF FROM SUBWATERSHED 40D.
1347          BA    .19
1348          LS              72
1349          UK    200    .020     .11     100
1350          RK    800   .0123     .05     .05   TRAP            15
1351          RK   3000   .0123     .05           TRAP     20     15

1352          KK    C40D
1353          KM        ADD HYDROGRAPHS AT C40D.
1354          HC      2

1355          KK    C40B
1356          KM        ROUTE FLOW FROM C40D TO C40B.
1357          RM      1     .23      .2

1358          KK     40B
1359          KM        RUNOFF FROM SUBWATERSHED 40B.
1360          BA    .51
1361          LS              74
1362          UK    200    .020     .11     100
1363          RK   1700   .0113     .05     .10   TRAP      5     15
1364          RK   4600   .0113     .05           TRAP     20      5

1365          KK    C40B
1366          KM        ADD HYDROGRAPHS AT C40B.
1367          HC      3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1368          KK     C40
1369          KM        ROUTE FLOW FROM C40B TO C40.
1370          RM       1     .48      .2

1371          KK      40
1372          KM        RUNOFF FROM SUBWATERSHED 40.
1373          BA    1.45
1374          LS              73
1375          UK     400    .010     .11     100
1376          RK    4000   .0092     .05     .29    TRAP      10      20
1377          RK   11600   .0092     .05            TRAP      10      40

1378          KK     C40
1379          KM        ADD HYDROGRAPHS AT C40.
1380          HC       3

1381          KK     C41
1382          KM        ROUTE FLOW FROM C40 TO C41.
1383          RM       1     .20      .2

1384          KK      41
1385          KM        RUNOFF FROM SUBWATERSHED 41.
1386          BA     .68
1387          LS              77
1388          UK     300   .0133     .11     100
1389          RK   12250   .0104     .05     .68    TRAP      10      30

1390          KK     C41
1391          KM        ADD HYDROGRAPHS AT C41.
1392          HC       2

1393          KK     C65
1394          KM        ROUTE FLOW FROM C41 TO C65.
1395          RM       1     .05      .2

1396          KK      65
1397          KM        RUNOFF FROM SUBWATERSHED 65.
1398          BA    1.01
1399          LS              74
1400          UK     400    .010     .12     100
1401          RK    6000   .0079     .05     .25    TRAP      10      25
1402          RK   16300   .0079     .05            TRAP      50      30

1403          KK     C65
1404          KM        ADD HYDROGRAPHS AT C65.
1405          HC       4

1406          KK     C65
1407          KM        STORAGE ROUTE THROUGH C65.  67.5' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1408          RS       1    STOR       0       0
1409          SV       0     .44    2.94   35.52  114.78  210.33     250     260     350
1410          SQ       0     338    1013    2025    3577    4725    7945   24515   40600
1411          SE  1543.2    1544    1546    1548    1550  1551.7  1552.5    1553    1554
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1412          KK   C102A
1413          KM        ROUTE FLOW AT C65 TO C102A.
1414          RM       1     .82      .2

1415          KK    102A
1416          KM        RUNOFF FROM SUBWATERSHED 102A.
1417          BA    2.34
1418          LS       0      74       0
1419          UK     250     .01     .12     100
1420          RK    4500   .0073     .06     .35    TRAP       0      30
1421          RK   16700   .0073     .05    2.34    TRAP      35      25

1422          KK   C102A
1423          KM        ADD HYDROGRAPHS AT C102A.
1424          HC       2

1425          KK     104
1426          KM        RUNOFF FROM SUBWATERSHED 104.
1427          BA     .04
1428          LS              72
1429          UK     300    .015     .12     100
1430          RK    1200    .018     .05     .04    TRAP       0      25

1431          KK   C102A
1432          KM        ROUTE FLOW FROM C104 TO C102A.
1433          RM       1    2.79      .2

1434          KK   C102A
1435          KM        ADD HYDROGRAPHS AT C102A.
1436          HC       2

1437          KK     105
1438          KM        RUNOFF FROM SUBWATERSHED 105.
1439          BA     .03
1440          LS       0      72       0
1441          UK     200    .012     .12     100
1442          RK    1500   .0093     .05     .03    TRAP       0      25

1443          KK   C102A
1444          KM        ROUTE FLOW AT C105 TO C102A.
1445          RM       1    3.77      .2

1446          KK   C102A
1447          KM        ADD HYDROGRAPHS AT C102A.
1448          HC       2

1449          KK    42D1
1450          KM        RUNOFF FROM SUBWATERSHED 42D1.
1451          BA     .04
1452          LS              72
1453          UK     200    .020     .11     100
1454          RK    2900   .0138     .05            TRAP       0      10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1455          KK    C42D
1456          KM       ROUTE FLOW FROM C42D1 TO C42D.
1457          RM      1     .43      .2

1458          KK     42D
1459          KM       RUNOFF FROM SUBWATERSHED 42D.
1460          BA    .10
1461          LS              72
1462          UK    200    .020     .11     100
1463          RK    700   .0133     .05     .03   TRAP            10
1464          RK   3000   .0133     .05           TRAP      5     10

1465          KK    C42D
1466          KM       ADD HYDROGRAPHS AT C42D.
1467          HC      2

1468          KK    C42A
1469          KM       ROUTE FLOW FROM  C42D TO C42A.
1470          RM      1     .63      .2

1471          KK     42A
1472          KM       RUNOFF FROM SUBWATERSHED 42A.
1473          BA    .33
1474          LS              72
1475          UK    200    .015     .11     100
1476          RK   2000   .0103     .05     .11   TRAP            10
1477          RK   5250   .0103     .05           TRAP     10     10

1478          KK    C42A
1479          KM       ADD HYDROGRAPHS AT C42A.
1480          HC      2

1481          KK     C42
1482          KM       ROUTE FLOW FROM C42A TO C42.
1483          RM      1    1.60      .2

1484          KK    42E1
1485          KM      RUNOFF FROM SUBWATERSHED 42E1.
1486          BA    .48
1487          LS              75
1488          UK    200    .020     .11     100
1489          RK   2600   .0160     .05     .12   TRAP      0     15
1490          RK  10900   .0160     .05           TRAP     10     10

1491          KK    C42E
1492          KM       ROUTE FLOW FROM C42E1 TO C42E.
1493          RM      1     .27      .2

1494          KK     42E
1495          KM       RUNOFF FROM SUBWATERSHED 42E.
1496          BA    .10
1497          LS              72
1498          UK    200    .020     .11     100
1499          RK    700   .0141     .05     .05   TRAP            10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1500          RK    3200  .0141    .05           TRAP      5     10

1501          KK    C42E
1502          KM       ADD HYDROGRAPHS AT C42E.
1503          HC      2

1504          KK    C42B
1505          KM       ROUTE FLOW FROM C42E TO C42B.
1506          RM      1    .45     .2

1507          KK     42B
1508          KM       RUNOFF FROM SUBWATERSHED 42B.
1509          BA    .17
1510          LS            72
1511          UK    200   .015    .10    100
1512          RK    700  .0123    .05    .04   TRAP            15
1513          RK   4875  .0123    .05          TRAP     10     10

1514          KK    C42B
1515          KM       ADD HYDROGRAPHS AT C42B.
1516          HC      2

1517          KK     C42
1518          KM       ROUTE FLOW FROM C42B TO C42.
1519          RM      1   1.53     .2

1520          KK    42F1
1521          KM       RUNOFF FROM SUBWATERSHED 42F1.
1522          BA    .22
1523          LS            72
1524          UK    200   .020    .12    100
1525          RK   2600  .0148    .05    .07   TRAP      0     10
1526          RK   7650  .0148    .05          TRAP      0     15

1527          KK    C42F
1528          KM       ROUTE FLOW FROM C42F1 TO C42F.
1529          RM      1    .33     .2

1530          KK     42F
1531          KM       RUNOFF FROM SUBWATERSHED 42F.
1532          BA    .11
1533          LS            72
1534          UK    200   .020    .11    100
1535          RK   1000  .0129    .05    .03   TRAP      0     10
1536          RK   3100  .0129    .05          TRAP      5     10

1537          KK    C42F
1538          KM       ADD HYDROGRAPHS AT C42F.
1539          HC      2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1540          KK    C42C
1541          KM       ROUTE FLOW FROM C42F TO C42C.
1542          RM      1     .45      .2

1543          KK     42C
1544          KM       RUNOFF FROM SUBWATERSHED 42C.
1545          BA    .30
1546          LS             72
1547          UK    200    .020     .11     100
1548          RK   2000     133     .05     .05   TRAP      0     15
1549          RK   4500   .0133     .05           TRAP     10     10

1550          KK    C42C
1551          KM       ADD HYDROGRAPHS AT C42C.
1552          HC      2

1553          KK     C42
1554          KM       ROUTE FLOW FROM C42C TO C42.
1555          RM      1    1.37      .2

1556          KK      42
1557          KM       RUNOFF FROM SUBWATERSHED 42.
1558          BA    1.88
1559          LS             77
1560          UK    300   .0133     .11     100
1561          RK   6000   .0098     .05     .30   TRAP      0     40
1562          RK  16000   .0098     .05           TRAP     20     50

1563          KK     C42
1564          KM       ADD HYDROGRAPHS AT C42.
1565          HC      4

1566          KK     43B
1567          KM       RUNOFF FROM SUBWATERSHED 43B.
1568          BA    1.52
1569          LS             85
1570          UI      0     79    246    523    750    841    759    571    427    353
1571          UI    268    202    180    170    109    102     59     50     43     28
1572          UI     26     25     25     13     12     12     11      1      0      0

1573          KK    C43A
1574          KM       ROUTE FLOW FROM C43B TO C43A.
1575          RM      1     .53      .2

1576          KK     43A
1577          KM       RUNOFF FROM SUBWATERSHED 43A.
1578          BA    1.46
1579          LS             81
1580          UK    300    .025     .11     100
1581          RK   4000   .0184     .05     .25   TRAP      0     15
1582          RK  19400   .0184     .05           TRAP     10     15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1583          KK   C43A
1584          KM       ADD HYDROGRAPHS AT C43A.
1585          HC     2

1586          KK    C43
1587          KM       ROUTE FLOW FROM C43A TO C43.
1588          RM     1     .98      .2

1589          KK    43C
1590          KM       RUNOFF FROM SUBWATERSHED 43C.
1591          BA   .31
1592          LS            81
1593          UK    200   .020     .11     100
1594          RK   2500  .0183     .05     .15   TRAP      0      15
1595          RK   9000  .0183     .05           TRAP      0      15

1596          KK   C43C
1597          KM       STORAGE ROUTE THROUGH C43C.  2-36" CMP'S ON CHRYSLER PROVING GROUNDS.
1598          RS     1   STOR       0       0
1599          SV     0   1.01    3.53    9.18
1600          SQ     0     42     110     130
1601          SE  1798   1802    1804    1806

1602          KK    C43
1603          KM       ROUTE FLOW FROM C43C TO C43.
1604          RM     1   1.86      .2

1605          KK    43D
1606          KM       RUNOFF FROM SUBWATERSHED 43D.
1607          BA   .35
1608          LS            81
1609          UK    200   .022     .11     100
1610          RK   2500  .0183     .05     .15   TRAP      0      15
1611          RK   9000  .0183     .05           TRAP      0      15

1612          KK    C43
1613          KM       ROUTE FLOW FROM C43D TO C43.
1614          RM     1   1.81      .2

1615          KK    C43
1616          KM       ADD HYDROGRAPHS  AT C43.
1617          HC     3

1618          KK    43E
1619          KM       RUNOFF FROM SUBWATERSHED 43E.
1620          BA   .32
1621          LS            81
1622          UK    200   .022     .11     100
1623          RK   2500  .0185     .05     .15   TRAP      0      15
1624          RK   8125  .0185     .05           TRAP      0      15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1625          KK     C43
1626          KM        ROUTE FLOW FROM C43E TO C43.
1627          RM       1    1.80      .2

1628          KK      43
1629          KM        RUNOFF FROM SUBWATERSHED 43.
1630          BA    4.42
1631          LS              74
1632          UK     300   .0133     .12     100
1633          RK    5000   .0120     .05     .40    TRAP      0      40
1634          RK   22500    .012     .05            TRAP     10      50

1635          KK     C43
1636          KM        ADD HYDROGRAPHS AT C43.
1637          HC       3

1638          KK      44
1639          KM        RUNOFF FROM SUBWATERSHED 44.
1640          BA     .76
1641          LS              72
1642          UK     200   .0150     .11     100
1643          RK    2500   .0101     .05     .25    TRAP      0      30
1644          RK    9375   .0101     .05            TRAP     10      30

1645          KK      45
1646          KM        RUNOFF FROM SUBWATERSHED 45.
1647          BA    2.29
1648          LS              72
1649          UK     300   .0160     .11     100
1650          RK    3000   .0117     .05     .23    TRAP      0      30
1651          RK   19250   .0117     .05            TRAP     15      40

1652          KK     C46
1653          KM        ADD HYDROGRAPHS AT C46.
1654          HC       4

1655          KK      46
1656          KM        RUNOFF FROM SUBWATERSHED 46.
1657          BA    1.22
1658          LS              72
1659          UK     400    .020     .12     100
1660          RK    3000   .0118     .05     .12    TRAP      0      30
1661          RK   13375   .0118     .05            TRAP     30      15

1662          KK     C46
1663          KM        ADD HYDROGRAPHS AT C46.
1664          HC       2

1665          KK     47C
1666          KM        RUNOFF FROM SUBWATERSHED 47C.
1667          BA   16.43
1668          LS              86
1669          UI       0     336     697    1336    2215    3192    4251    4513    5089    5089
1670          UI    5089    3807    3475    3004    2564    2387    2007    1670    1574    1219
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1671          UI    1148    1092    1041     995     786     651     625     600     326     315
1672          UI     304     294     256     171     166     161     157     152     148     173
1673          UI      78      76      74      73      71      69      68      35       0       0

1674          KK    C47B
1675          KM       ROUTE FLOW FROM C47C TO C47B.
1676          RM       1     .95      .2

1677          KK     47B
1678          KM       RUNOFF FROM SUBWATERSHED 47B.
1679          BA    2.30
1680          LS             79
1681          UK     200    .020     .12     100
1682          RK    5000    .015     .05     .35    TRAP      5      15
1683          RK   28750   .0179     .05            TRAP     10      15

1684          KK    C47B
1685          KM       ADD HYDROGRAPHS AT C47B.
1686          HC       2

1687          KK    C47A
1688          KM       ROUTE FLOW FROM C47B TO C47A.
1689          RM       1     .43      .2

1690          KK     47A
1691          KM       RUNOFF FROM SUBWATERSHED 47A.
1692          BA    1.90
1693          LS             77
1694          UK     200    .020     .12     100
1695          RK    5000   .0150     .05     .35    TRAP      5      15
1696          RK   27250   .0150     .05            TRAP     10      15

1697          KK    C47A
1698          KM       ADD HYDROGRAPHS AT C47A.
1699          HC       2

1700          KK     C47
1701          KM       ROUTE FLOW FROM C47A TO C47.
1702          RM       1     .18      .2

1703          KK      47
1704          KM       RUNOFF FROM SUBWATERSHED 47.
1705          BA     .24
1706          LS             72
1707          UK     200    .020     .11     100
1708          RK    5500   .0105     .05            TRAP     10      30

1709          KK     C47
1710          KM       ADD HYDROGRAPHS AT C47.
1711          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1712          KK     48
1713          KM       RUNOFF FROM SUBWATERSHED 48.
1714          BA   9.63
1715          LS            79
1716          UK    200   .030    .12    100
1717          RK  11000  .0204    .05    .59   TRAP     10     30
1718          RK  43800  .0204    .05          TRAP     30     50

1719          KK     49
1720          KM       RUNOFF FROM SUBWATERSHED 49.
1721          BA    .57
1722          LS            72
1723          UK    200   .020    .12    100
1724          RK   2500  .0122    .05    .14   TRAP      0     30
1725          RK  12125  .0122    .05          TRAP     10     15

1726          KK    C49
1727          KM       ADD HYDROGRAPHS AT C49.
1728          HC      4

1729          KK     50
1730          KM       RUNOFF FROM SUBWATERSHED 50.
1731          BA    .32
1732          LS            72
1733          UK    200   .020    .13    100
1734          RK   1600  .0121    .05    .07   TRAP      0     25
1735          RK   6625  .0121    .05          TRAP     10     20

1736          KK    C50
1737          KM       ADD HYDROGRAPHS AT C50.
1738          HC      2

1739          KK    C50
1740          KM       STORAGE ROUTE THROUGH C50.  THIS IS THE COMBINED STORAGE OF THE
1741          KM       CONCRETE OVERCHUTES ON THE CAP THAT INCLUDE AREAS 42-50.
1742          RS      1    STOR      0      0
1743          SV      0   93.89  690.42 2093.28 3202.77   3757   4312
1744          SQ      0     725    2295   3590   7835  14995  24446
1745          SE 1540.0    1544    1548   1552   1554   1555   1556

1746          KK    C50
1747          KM       DIVERT FLOW OVER ROAD TO C53.
1748          DT   DIV50
1749          DI      0    2295    3590   7835  14995  24446
1750          DQ      0       0     125   2150   7300  12850

1751          KK    C42
1752          KM       DIVERT REMAINDER OF FLOW TO C42.  72" CONCRETE OVERCHUTE ON THE CAP.
1753          DT   DIV42
1754          DI      0     725    2295   3465   5685   7695  11596
1755          DQ      0      50     225    360    420    455    478
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1756          KK    C43
1757          KM       DIVERT REMAINDER OF FLOW TO C43.  72" CONCRETE OVERCHUTE ON THE CAP.
1758          DT   DIV43
1759          DI      0     675    2070    3105    5265    7240   11118
1760          DQ      0      65     240     370     430     455    2069

1761          KK    C44
1762          KM       DIVERT REMAINDER OF FLOW TO C44.  72" CONCRETE OVERCHUTE ON THE CAP.
1763          DT   DIV44
1764          DI      0     610    1830    2735    4835    6785    9049
1765          DQ      0      75     240     380     425     455     478

1766          KK    C45
1767          KM       DIVERT REMAINDER OF FLOW TO C45.  72" CONCRETE OVERCHUTE ON THE CAP.
1768          DT   DIV45
1769          DI      0     535    1590    2355    4410    6330    8571
1770          DQ      0      85     260     385     430     455     478

1771          KK    C46
1772          KM       DIVERT REMAINDER OF FLOW TO C46.
1773          DT   DIV46
1774          DI      0     445    1330    1970    3980    5875    8093
1775          DQ      0      90     250     400    2240    4055    6178

1776          KK    C47
1777          KM       DIVERT REMAINDER OF FLOW TO C47.  72" CONCRETE OVERCHUTE ON THE CAP.
1778          DT   DIV47
1779          DI      0     335    1080    1570    1740    1820    1915
1780          DQ      0      90     270     395     435     455     479

1781          KK    C48
1782          KM       DIVERT REMAINDER OF FLOW TO C48.  72" CONCRETE OVERCHUTE ON THE CAP.
1783          DT   DIV48
1784          DI      0     265     810    1175    1305    1365    1436
1785          DQ      0      90     270     395     435     455     479

1786          KK    C49
1787          KM       DIVERT REMAINDER OF FLOW TO C49.  72" CONCRETE OVERCHUTE ON THE CAP.
1788          DT   DIV49
1789          DI      0     175     540     780     870     910     957
1790          DQ      0      95     280     400     445     455     479

1791          KK   C50A
1792          KM       DIVERT REMAINDER OF FLOW TO C50A.
1793          KM       THIS DIVERTED FLOW IS ACTUALLY THE REMAINDER OF THE FLOW GOING THROUGH
1794          KM       THE 72" PIPE OVERCHUTE AT C50.  THE REMAINING DISCHARGE AFTER THE LAST
1795          KM       DIVERT IS ZERO.  THIS WAS DONE BECAUSE THE HEC-1 MODEL IS A STRAIGHT
1796          KM       FORWARD OPERATION AND DOES NOT ALLOW YOU TO PICK UP FLOWS THAT ARE LEFT
1797          KM       BEHIND ANOTHER OPERATION UNLESS IT ADDS UP DIRECTLY WITH THE CURRENT
1798          KM       OPERATION.  FOR THIS REASON THE REMAINING ZERO HYDROGRAPH WILL BE ADDED
1799          KM       TO THE FOLLOWING OPERATION WITHOUT CHANGING THE DISCHARGE, THUS KEEPING
1800          KM       THE INTEGRITY OF THE MODEL.  THIS ALSO ENABLES THE MODEL TO CONTINUE IN
1801          KM       AN ORDERLY FASHION, EVEN THOUGH THIS IS NOT THE ACTUAL CONCENTRATION
1802          KM       POINT FOR THE REMAINING ZERO HYDROGRAPH AT C52A.
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1803          DT  DIV50A
1804          DI       0      85     260     380     425     455     478
1805          DO       0      85     260     380     425     455     478

1806          KK     C42
1807          KM        RETURN DIVERT AT C42.
1808          DR   DIV42

1809          KK    C106
1810          KM        ROUTE FLOW AT C42 TO C106.
1811          RM       1     .24      .2

1812          KK     106
1813          KM        RUNOFF FROM SUBWATERSHED 106.
1814          BA     .06
1815          LS       0      72       0
1816          UK     400    .012     .10     100
1817          RK    2500   .0088     .05     .06    TRAP       0      25

1818          KK    C106
1819          KM        ADD HYDROGRAPHS AT C106.
1820          HC       2

1821          KK   C102A
1822          KM        ROUTE FLOW FROM C106 TO C102A.
1823          RM       1    1.47      .2

1824          KK   C102A
1825          KM        ADD HYDROGRAPHS AT C102A.
1826          HC       2

1827          KK     C43
1828          KM        RETURN DIVERT AT C43.
1829          DR   DIV43

1830          KK    C107
1831          KM        ROUTE DIVERTED FLOW AT C43 TO C107.
1832          RM       1     .43      .2

1833          KK     107
1834          KM        RUNOFF FROM SUBWATERSHED 107.
1835          BA     .32
1836          LS       0      72       0
1837          UK     250    .011     .10     100
1838          RK    2800   .0082     .07     .10    TRAP       0      25
1839          RK    6200   .0082     .06            TRAP      35      20

1840          KK    C107
1841          KM        ADD HYDROGRAPHS AT C107.
1842          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1843          KK   C102A
1844          KM        ROUTE FLOW AT C107 TO C102A.
1845          RM       1     .89      .2

1846          KK   C102A
1847          KM        ADD HYDROGRAPHS AT C102A.
1848          HC       2

1849          KK    108
1850          KM        RUNOFF FROM SUBWATERSHED 108.
1851          BA    .67
1852          LS       0      72       0
1853          UK     300    .012     .10     100
1854          RK    2900   .0093     .07     .16    TRAP      0      20
1855          RK    7600   .0093     .05     .67    TRAP     15      15

1856          KK   C102A
1857          KM        ROUTE FLOW AT C108 TO C102A.
1858          RM       1     .71      .2

1859          KK   C102A
1860          KM        ADD HYDROGRAPHS AT C102A.
1861          HC       2

1862          KK    109
1863          KM        RUNOFF FROM SUBWATERSHED 109.
1864          BA    .12
1865          LS       0      72       0
1866          UK     100    .012     .10     100
1867          RK     800   .0088     .06     .06    TRAP      0      10
1868          RK    4300   .0088     .05            TRAP      0      15

1869          KK   C102A
1870          KM        ROUTE FLOW AT C109 TO C102A.
1871          RM       1     .92      .2

1872          KK   C102A
1873          KM        ADD HYDROGRAPHS AT C102A.
1874          HC       3

1875          KK    C102
1876          KM        ROUTE FLOW FROM C102A TO C102.
1877          RM       1     .51      .2

1878          KK    102
1879          KM        RUNOFF FROM SUBWATERSHED 102.
1880          BA    .72
1881          LS       0      77       0
1882          UK     300    .009     .10     100
1883          RK    2500   .0059     .06     .18    TRAP      0      25
1884          RK   10400   .0059     .05     .72    TRAP     30      20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1885          KK    C102
1886          KM        ADD HYDROGRAPHS AT C102.
1887          HC       2

1888          KK     98A
1889          KM        RUNOFF FROM SUBWATERSHED 98A.
1890          BA    1.33
1891          LS       0      72       0
1892          UK     200     .01     .12     100
1893          RK    5500   .0081     .06     .24    TRAP       0      30
1894          RK   13200   .0081     .05    1.33    TRAP      20      25

1895          KK    C102
1896          KM        ROUTE FLOW FROM C98A TO C102.
1897          RM       1    1.44      .2

1898          KK      98
1899          KM        RUNOFF FROM SUBWATERSHED 98.
1900          BA    1.01
1901          LS       0      72       0
1902          UK     200    .008     .13     100
1903          RK    3200   .0056     .06     .20    TRAP       0      25
1904          RK   13100   .0056     .05    1.01    TRAP      70      20

1905          KK    C102
1906          KM        ADD HYDROGRAPHS AT C102.
1907          HC       2

1908          KK    C102
1909          KM        ADD HYDROGRAPHS AT C102.
1910          HC       2

1911          KK     C97
1912          KM        ROUTE FLOW FROM C102 TO C97.
1913          RM       1     .58      .2

1914          KK     97A
1915          KM        RUNOFF FROM SUBWATERSHED 97A.
1916          BA     .81
1917          LS       0      72       0
1918          UK     200    .009     .13     100
1919          RK    3800   .0063     .06     .27    TRAP       0      45
1920          RK   12600   .0063     .05     .81    TRAP      20      40

1921          KK     C97
1922          KM        ROUTE FLOW FROM C97A TO C97.
1923          RM       1    2.28      .2

1924          KK     C97
1925          KM        ADD HYDROGRAPHS AT C97.
1926          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1927          KK     100
1928          KM        RUNOFF FROM SUBWATERSHED 100.
1929          BA    .74
1930          LS       0      82       0
1931          UK     250    .009     .13     100
1932          RK    2200   .0061     .06     .12    TRAP       0      60
1933          RK    9150   .0061     .05     .74    TRAP      20      55

1934          KK     C97
1935          KM        ROUTE FLOW FROM C100 TO C97.
1936          RM       1     .36      .2

1937          KK     C97
1938          KM        ADD HYDROGRAPHS AT C97.
1939          HC       2

1940          KK      97
1941          KM        RUNOFF FROM SUBWATERSHED 97.
1942          BA    1.97
1943          LS       0      72       0
1944          UK     300    .007     .12     100
1945          RK    4400   .0045     .06     .25    TRAP       0      45
1946          RK   14600   .0045     .05            TRAP      40      40

1947          KK     C97
1948          KM        ADD HYDROGRAPHS AT C97.
1949          HC       2

1950          KK     C44
1951          KM        RETURN DIVERT AT C44.
1952          DR   DIV44

1953          KK    C110
1954          KM        ROUTE FLOW FROM C44 TO C110.
1955          RM       1    1.40      .2

1956          KK     110
1957          KM        RUNOFF FROM SUBWATERSHED 110.
1958          BA    2.06
1959          LS       0      72       0
1960          UK     250     .01     .10     100
1961          RK    3800    .008     .07     .40    TRAP       0      25
1962          RK   14800    .008     .05            TRAP      20      20

1963          KK    C110
1964          KM        ADD HYDROGRAPHS AT C110.
1965          HC       2

1966          KK     C45
1967          KM        RETURN DIVERT AT C45.
1968          DR   DIV45
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1969          KK    C110
1970          KM       ROUTE FLOW FROM C45 TO C110.
1971          RM      1    1.39      .2

1972          KK    C110
1973          KM       ADD HYDROGRAPHS AT C110.
1974          HC      2

1975          KK    C101
1976          KM       ROUTE FLOW FROM C110 TO C101.
1977          RM      1     .88      .2

1978          KK     101
1979          KM       RUNOFF FROM SUBWATERSHED 101.
1980          BA    1.65
1981          LS      0      78       0
1982          UK    300    .009     .10     100
1983          RK   4000   .0068     .06     .33    TRAP      0      35
1984          RK   9900   .0068     .05            TRAP     20      30

1985          KK    C101
1986          KM       ADD HYDROGRAPHS AT C101.
1987          HC      2

1988          KK     111
1989          KM       RUNOFF FROM SUBWATERSHED 111.
1990          BA    .35
1991          LS      0      72       0
1992          UK    200    .011     .10     100
1993          RK   2700   .0082     .06     .11    TRAP      0      25
1994          RK   6500   .0082     .05     .35    TRAP     15      20

1995          KK    C101
1996          KM       ROUTE FLOW AT C111 TO C101.
1997          RM      1    1.81      .2

1998          KK    C101
1999          KM       ADD HYDROGRAPHS AT C101.
2000          HC      2

2001          KK     112
2002          KM       RUNOFF FROM SUBWATERSHED 112.
2003          BA    1.34
2004          LS      0      72       0
2005          UK    200    .012     .10     100
2006          RK   2900   .0093     .07     .34    TRAP      0      25
2007          RK  12100   .0093     .05            TRAP     15      20

2008          KK    C101
2009          KM       ROUTE FLOW FROM C112 TO C101.
2010          RM      1     .39      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2011          KK    C101
2012          KM       ADD HYDROGRAPHS AT C101.
2013          HC      2

2014          KK     113
2015          KM       RUNOFF FROM SUBWATERSHED 113.
2016          BA    .59
2017          LS      0      72       0
2018          UK    200     .01     .10     100
2019          RK   2500   .0068     .06     .20    TRAP       0      25
2020          RK  15250   .0068     .05     .59    TRAP      10      20

2021          KK    C101
2022          KM       ROUTE FLOW AT C113 TO C101.
2023          RM      1     .36      .2

2024          KK    C101
2025          KM       ADD HYDROGRAPHS AT C101.
2026          HC      2

2027          KK     114
2028          KM       RUNOFF FROM SUBWATERSHED 114.
2029          BA    .08
2030          LS      0      72       0
2031          UK    200    .011     .10     100
2032          RK   3200   .0075     .05     .08    TRAP      10      20

2033          KK    C101
2034          KM       ROUTE FLOW AT C114 TO C101.
2035          RM      1     .37      .2

2036          KK    C101
2037          KM       ADD HYDROGRAPHS AT C101.
2038          HC      2

2039          KK     C97
2040          KM       ROUTE FLOW FROM C101 TO C97.
2041          RM      1     .46      .2

2042          KK     C97
2043          KM       ADD HYDROGRAPHS AT C97.
2044          HC      2

2045          KK      99
2046          KM       RUNOFF FROM SUBWATERSHED 99.
2047          BA    .29
2048          LS      0      77       0
2049          UK    150    .006     .10     100
2050          RK   1800   .0046     .06     .15    TRAP       0      55
2051          RK   4800   .0046     .05     .29    TRAP      10      50
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2052          KK     C97
2053          KM        ADD HYDROGRAPHS AT C97.
2054          HC       3

2055          KK     C97
2056          KM        STORAGE ROUTE THROUGH C97.  MCMICKEN DAM OUTLET AND SPILLWAY RATING
2057          KM        CURVES ARE USED HERE.
2058          RS       1    STOR       0       0
2059          SV       0    1370    5505   17501   20816   25623   30850   36611   38754   39849
2060          SQ       0     675     810    4080    4325   21150   47400   81650   93160   99300
2061          SE    1335    1340    1345  1352.5 1353.65 1355.65 1357.65 1359.65 1360.35  1360.7
2062          ST  1360.7   12775    3.03     1.5

2063          KK     C97
2064          KM        DIVERT FLOW AT C97.
2065          DT   DIV97
2066          DI       0    4325   21150   47400   81650   93160   99300
2067          DQ       0       0   16500   42500   76500   87900   94000

2068          KK    C119
2069          KM        ROUTE FLOW FROM C97 TO C119.
2070          RM       1    2.82      .2

2071          KK     115
2072          KM        RUNOFF FROM SUBWATERSHED 115.
2073          BA     .05
2074          LS       0      77       0
2075          UK     200    .011     .10     100
2076          RK    2400   .0075     .05     .05    TRAP      10      20

2077          KK    C103
2078          KM        ROUTE FLOW AT C115 TO C103.
2079          RM       1     .97      .2

2080          KK     C97
2081          KM        RETURN DIVERT AT C97.
2082          DR   DIV97

2083          KK    C103
2084          KM        ROUTE DIVERTED FLOW AT C97 TO C103.
2085          RM       1     .17      .2

2086          KK    C103
2087          KM        ADD HYDROGRAPHS AT C103.
2088          HC       2

2089          KK     103
2090          KM        RUNOFF FROM SUBWATERSHED AT C103.
2091          BA     .32
2092          LS       0      78       0
2093          UK     250    .009     .10     100
2094          RK    1500   .0082     .06     .15    TRAP       0      65
2095          RK    3900   .0082     .05            TRAP      20      60
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2096          KK   C103
2097          KM       ADD HYDROGRAPHS AT C103.
2098          HC      2

2099          KK   C119
2100          KM       ROUTE FLOW FROM C103 TO C119.
2101          RM      1    4.41      .2

2102          KK    116
2103          KM       RUNOFF FROM SUBWATERSHED 116.
2104          BA   1.00
2105          LS      0      79       0
2106          UK    300   .0095     .10     100
2107          RK   2500   .0064     .06     .20   TRAP      0      25
2108          RK   8400   .0064     .05           TRAP     20      20

2109          KK   C119
2110          KM       ROUTE FLOW AT C116 TO C119.
2111          RM      1     .72      .2

2112          KK   C119
2113          KM       ADD HYDROGRAPHS AT C119.
2114          HC      3

2115          KK    118
2116          KM       RUNOFF FROM SUBWATERSHED 118.
2117          BA   1.39
2118          LS      0      77       0
2119          UK    250    .008     .10     100
2120          RK   3100   .0048     .06     .23   TRAP      0      35
2121          RK  10000   .0048     .05           TRAP     10      30

2122          KK   C119
2123          KM       ROUTE FLOW FROM C118 TO C119.
2124          RM      1    2.74      .2

2125          KK   C119
2126          KM       ADD HYDROGRAPHS AT C119.
2127          HC      2

2128          KK    C46
2129          KM       RETURN DIVERTED FLOW AT C46.
2130          DR   DIV46

2131          KK  C117A
2132          KM       ROUTE FLOW FROM C46 TO C117A.
2133          RM      1    2.25      .2

2134          KK   117A
2135          KM       RUNOFF FROM SUBWATERSHED 117A.
2136          BA   1.72
2137          LS              77
2138          UK    200    .012     .12     100
2139          RK  10500   .0069     .07     .42   TRAP      0      20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2140          RK   24000   .0069     .05           TRAP     25     15

2141          KK   C117A
2142          KM        ADD HYDROGRAPHS AT C117A.
2143          HC       2

2144          KK    C47
2145          KM        RETURN DIVERTED FLOW AT C47.
2146          DR   DIV47

2147          KK   C117D
2148          KM        ROUTE FLOW FROM C47 TO C117D.
2149          RM       1    1.31      .2

2150          KK    117D
2151          KM        RUNOFF FROM SUBWATERSHED 117D.
2152          BA     .55
2153          LS             77
2154          UK     200    .012     .10     100
2155          RK    3000   .0086     .07     .14    TRAP      0     20
2156          RK   14000   .0086     .05     .55    TRAP     25     15

2157          KK   C117D
2158          KM        ADD HYDROGRAPHS AT C117D.
2159          HC       2

2160          KK   C117A
2161          KM        ROUTE FLOW AT C117D TO C117A.
2162          RM       1     .79      .2

2163          KK   C117A
2164          KM        ADD HYDROGRAPHS AT C117A.
2165          HC       2

2166          KK    C48
2167          KM        RETURN DIVERTED FLOW AT C48.
2168          DR   DIV48

2169          KK   C117F
2170          KM        ROUTE FLOW FROM C48 TO C117F.
2171          RM       1     .67      .2

2172          KK    117F
2173          KM        RUNOFF FROM SUBWATERSHED 117F.
2174          BA     .36
2175          LS             77
2176          UK     200    .012     .10     100
2177          RK    3200   .0097     .07     .09    TRAP      0     20
2178          RK    7200   .0097     .05     .36    TRAP     25     15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2179          KK  C117F
2180          KM       ADD HYDROGRAPHS AT C117F.
2181          HC      2

2182          KK    C49
2183          KM       RETURN DIVERTED FLOW AT C49.
2184          DR  DIV49

2185          KK  C117G
2186          KM       ROUTE DIVERTED FLOW AT C49 TO C117G.
2187          RM      1     .74      .2

2188          KK   117G
2189          KM       RUNOFF FROM SUBWATERSHED 117G.
2190          BA    .27
2191          LS             77
2192          UK    200    .012     .10     100
2193          RK   2500   .0087     .07     .07    TRAP      0      20
2194          RK   8000   .0087     .05     .27    TRAP     25      15

2195          KK  C117G
2196          KM       ADD HYDROGRAPHS AT C117G.
2197          HC      2

2198          KK  C117F
2199          KM       ADD HYDROGRAPHS AT C117F.
2200          HC      2

2201          KK  C117E
2202          KM       ROUTE FLOW FROM C117F TO C117E.
2203          RM      1     .56      .2

2204          KK   117E
2205          KM       RUNOFF FROM SUBWATERSHED 117E.
2206          BA    .40
2207          LS             77
2208          UK    200    .012     .10     100
2209          RK   4500   .0098     .07     .10              0      20
2210          RK   8200   .0098     .05     .40             25      15

2211          KK  C117E
2212          KM       ADD HYDROGRAPHS AT C117E.
2213          HC      2

2214          KK  C117B
2215          KM       ROUTE FLOW AT C117E TO C117B.
2216          RM      1     .66      .2

2217          KK   117B
2218          KM       RUNOFF FROM SUBWATERSHED 117B.
2219          BA    .37
2220          LS             77
2221          UK    200    .012     .10     100
2222          RK   3000   .0053     .07     .10                     20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2223          RK    8500  .0053    .05    .37             25      15

2224          KK   C117B
2225          KM        ADD HYDROGRAPHS AT C117B.
2226          HC       2

2227          KK   C117A
2228          KM        ADD HYDROGRAPHS AT C117A.
2229          HC       2

2230          KK    C50A
2231          KM        RETURN DIVERTED FLOW AT C50A.
2232          KM        THIS IS THE DIVERTED DISCHARGE THROUGH THE 72" PIPE OVERCHUTE AT C50.
2233          DR  DIV50A

2234          KK   C117C
2235          KM        ROUTE DIVERTED FLOW AT C50A TO C117C.
2236          RM       1    1.88     .2

2237          KK    117C
2238          KM        RUNOFF FROM SUBWATERSHED 117C.
2239          BA    1.47
2240          LS             77
2241          UK     200   .012    .10    100
2242          RK    8000  .0090    .07    .37                     20
2243          RK   18900  .0090    .05   1.47             25      15

2244          KK   C117C
2245          KM        ADD HYDROGRAPHS AT C117C.
2246          HC       2

2247          KK   C117A
2248          KM        ADD HYDROGRAPHS AT C117A.
2249          HC       2

2250          KK    C117
2251          KM        ROUTE FLOW FROM C117A TO C117.
2252          RM       1     .40     .2

2253          KK     117
2254          KM        RUNOFF FROM SUBWATERSHED 117.
2255          BA     .94
2256          LS       0      77      0
2257          UK     200   .012    .10    100
2258          RK    3500  .0083    .07    .24    TRAP      0      20
2259          RK   12000  .0083    .05    .94    TRAP     15      15

2260          KK    C117
2261          KM        ADD HYDROGRAPHS AT C117.
2262          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2263          KK    C120
2264          KM       ROUTE FLOW AT C117 TO C120.
2265          RM      1     .17      .2

2266          KK     51
2267          KM       RUNOFF FROM SUBWATERSHED 51.
2268          BA    .48
2269          LS            72
2270          UK    200    .020     .12     100
2271          RK   2200   .0122     .05     .16    TRAP             20
2272          RK  10500   .0122     .05            TRAP     10      15

2273          KK    52A
2274          KM       RUNOFF FROM SUBWATERSHED 52A.
2275          BA   4.32
2276          LS            86
2277          UI      0    211     637    1367    1995    2307    2202    1619    1268    1069
2278          UI    763    622     512     471     382     289     231     143     135      99
2279          UI     75     71      68      62      34      33      32      30       0       0

2280          KK    C52
2281          KM       ROUTE FLOW FROM C52A TO C52.
2282          RM      1    1.65      .2

2283          KK    52B
2284          KM       RUNOFF FROM SUBWATERSHED 52B.
2285          BA   4.92
2286          LS            85
2287          UI      0    275     921    1963    2628    2875    2346    1761    1439     971
2288          UI    799    639     583     444     354     230     173     152      95      90
2289          UI     85     78      43      41      39      25       0       0       0       0

2290          KK   C52C
2291          KM       ROUTE FLOW FROM C52B TO C52C.
2292          RM      1     .07      .2

2293          KK    52C
2294          KM       RUNOFF FROM SUBWATERSHED 52C.
2295          BA   5.77
2296          LS            85
2297          UI      0    159     372     735    1236    1759    1956    2153    2153    1782
2298          UI   1478   1233    1057     946     717     667     503     476     449     425
2299          UI    335    273     260     185     134     129     139      74      71      69
2300          UI     66     64      62      53      32      31      30      30      29      17
2301          UI      0      0       0       0       0       0       0       0       0       0

2302          KK   C52C
2303          KM       ADD HYDROGRAPHS AT C52C.
2304          HC      2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2305          KK    C52C
2306          KM        ROUTE FLOW FROM C52C TO C52.
2307          RM       1     .73      .2

2308          KK      52
2309          KM        RUNOFF FROM SUBWATERSHED 52.
2310          BA    5.93
2311          LS             79
2312          UK     300    .025     .12     100
2313          RK   10000   .0146     .05     .45    TRAP             15
2314          RK   43000   .0146     .05            TRAP     75      15

2315          KK     C52
2316          KM        ADD HYDROGRAPHS AT C52.
2317          HC       3

2318          KK      53
2319          KM        RUNOFF FROM SUBWATERSHED 53.
2320          BA    1.64
2321          LS             82
2322          UI       0      57     116     161     268     357     518     651     792     963
2323          UI    1038     981    1114    1114    1114    1114     904     806     760     724
2324          UI     590     562     535     567     390     374     359     346     297     261
2325          UI     252     244     236     229     222     216     183     145     141     138
2326          UI     134     133      72      70      69      67      66      64      68      38
2327          UI      37      37      36      35      35      34      33      33      32      45
2328          UI      17      17      17      16      16      16      16      15      15      15
2329          UI      15      10       0       0       0       0       0       0       0       0

2330          KK     C50
2331          KM        RETURN DIVERT AT C50.
2332          DR   DIV50

2333          KK     C53
2334          KM        ADD HYDROGRAPHS AT C53.
2335          HC       4

2336          KK     C53
2337          KM        STORAGE ROUTE THROUGH C53.  THIS IS THE TOTAL STORAGE DISCHARGE TABLE
2338          KM        BEHIND THE CAP THAT INCLUDES AREAS 51-53.
2339          RS       1    STOR       0       0
2340          SV      13      26     244     682    1333    1769    1987    2205
2341          SQ       0      66    1289    2760    3690    4085    7333   30284
2342          SE  1538.8    1540    1544    1548    1552    1554    1555    1556

2343          KK     C54
2344          KM        DIVERT FLOW OVER END PLUG TO C54.
2345          DT   DIV54
2346          DI       0    4085    7333   30284
2347          DQ       0       0    3050   25803
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2348          KK     C51
2349          KM        DIVERT FLOW AT C53 TO C51.  72" CONCRETE OVERCHUTE ON CAP.
2350          DT   DIV51
2351          DI      0      66    1289    2760    3690    4085    4283    4481
2352          DQ      0       0      80     260     390     430     475     497

2353          KK   C52P1
2354          KM        DIVERT FLOW AT C53 TO C52P1.  4-72" CONCRETE OVERCHUTES ON CAP.
2355          DT  DI52P1
2356          DI      0      66    1209    2500    3300    3655    3808    3984
2357          DQ      0      32     579    1240    1640    1800    1904    1988

2358          KK   C52P2
2359          KM        DIVERT FLOW AT C53 TO C52P2.  72" CONCRETE OVERCHUTE ON CAP.
2360          DT  DI52P2
2361          DI      0      34     630    1260    1660    1855    1904    1996
2362          DQ      0      10     150     315     415     460     476     499

2363          KK     C53
2364          KM         DIVERT REMAINDER OF FLOW AT C53.  3-72" CONCRETE OVERCHUTES ON CAP.
2365          KM        THIS IS THE SAME SITUATION AS DESCRIBED ABOVE AT THE DIVERT OF C50A.
2366          KM        THE REMAINING HYDROGRAPH IS ZERO, THUS IT WILL BE ADDED IN THE FOLLOWING
2367          KM        OPERATION WITHOUT CHANGING THE DISCHARGE EVEN THOUGH THIS IS AN INCOR-
2368          KM        RECT CONCENTRATION POINT FOR THE FLOW.  THE ACTUAL FLOW IS DIVERTED TO
2369          KM        THE CORRECT CONCENTRATION POINT AND ADDED IN AT C123.
2370          DT   DIV53
2371          DI      0      24     480     945    1245    1395    1428    1497
2372          DQ      0      24     480     945    1245    1395    1428    1497

2373          KK     C51
2374          KM        RETURN DIVERTED FLOW AT C51.
2375          DR   DIV51

2376          KK    C120
2377          KM        ROUTE DIVERTED FLOW AT C51 TO C120.
2378          RM      1    2.16      .2

2379          KK    C120
2380          KM        ADD HYDROGRAPHS AT C120.
2381          HC      2

2382          KK     120
2383          KM        RUNOFF FROM SUBWATERSHED 120.
2384          BA    2.22
2385          LS      0      78       0
2386          UK    200    .011     .12     100
2387          RK   3000   .0084     .07     .22    TRAP      0      15
2388          RK  23000   .0084     .05            TRAP     15      10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2389          KK   C120
2390          KM       ADD HYDROGRAPHS AT C120.
2391          HC      3

2392          KK   C120
2393          KM       STORAGE ROUTE THROUGH C120. 105' WIDE SIPHON ON THE BEARDSLEY CANAL.
2394          RS      1   STOR      0      0
2395          SV      0   2.57  30.26     56
2396          SQ      0    893   5416  14566
2397          SE   1334   1336   1340   1341

2398          KK   C119
2399          KM       ROUTE FLOW AT C120 TO C119.
2400          RM      1    .17     .2

2401          KK   C119
2402          KM       ADD HYDROGRAPHS AT C119.
2403          HC      2

2404          KK    119
2405          KM       RUNOFF FROM SUBWATERSHED 119.
2406          BA    .96
2407          LS      0     77      0
2408          UK    200   .011    .12    100
2409          RK   1400  .0084    .06    .08   TRAP      0     10
2410          RK  18500  .0009    .03          TRAP     90     35

2411          KK   C119
2412          KM       ADD HYDROGRAPHS AT C119.
2413          HC      2

2414          KK   C121
2415          KM       ROUTE FLOW FROM C119 TO C121.
2416          RM      1    .47     .2

2417          KK  C52P1
2418          KM       RETURN DIVERT AT C52P1.
2419          DR  DI52P1

2420          KK  C124A
2421          KM       ROUTE DIVERTED FLOW AT C52P1 TO C124A.
2422          RM      1    .60     .2

2423          KK   124A
2424          KM       RUNOFF FROM SUBWATERSHED 124A.
2425          BA   1.31
2426          LS            73
2427          UK    200   .015    .10    100
2428          RK   5500  .0118    .06    .14                  10
2429          RK  10400  .0103    .05   1.31            30     10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2430          KK   C124A
2431          KM        ADD HYDROGRAPHS AT C124A.
2432          HC       2

2433          KK    C124
2434          KM        ROUTE FLOW FROM C124A TO C124.
2435          RM       1     .26      .2

2436          KK   C52P2
2437          KM        RETURN DIVERTED FLOW AT C52P2.
2438          DR  DI52P2

2439          KK   C124B
2440          KM        ROUTE FLOW AT C52P2 TO C124B.
2441          RM       1    1.07      .2

2442          KK    124B
2443          KM        RUNOFF FROM SUBWATERSHED 124B.
2444          BA    .90
2445          LS             72
2446          UK    200    .014     .10     100
2447          RK   3800   .0105     .05     .14                    10
2448          RK  12400   .0105     .05     .90                    15

2449          KK   C124B
2450          KM        ADD HYDROGRAPHS AT C124B.
2451          HC       2

2452          KK    C124
2453          KM        ROUTE FLOW FROM C124B TO C124.
2454          RM       1     .11      .2

2455          KK     124
2456          KM        RUNOFF FROM SUBWATERSHED 124.
2457          BA    .86
2458          LS             74
2459          UK    200    .015     .10     100
2460          RK   4300   .0086     .05     .10                    10
2461          RK  11000   .0086     .05     .86            30       5

2462          KK    C124
2463          KM       ADD HYDROGRAPHS AT C124.
2464          HC       3

2465          KK     C53
2466          KM         RETURN DIVERTED FLOW AT C53.
2467          KM        THIS IS THE REMAINGING DIVERTED FLOW THROUGH THE PIPE OVERCHUTE AT C53,
2468          KM        AND IT WILL BE ROUTED TO THE CORRECT CONCENTRATION POINT AT C123.
2469          DR   DIV53
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2470          KK   C123B
2471          KM        ROUTE DIVERTED FLOW AT C53 TO C123B.
2472          RM       1     .33      .2

2473          KK   C123B
2474          KM        RUNOFF FROM SUBWATERSHED 123B.
2475          BA    .25
2476          LS             76
2477          UK    350    .014     .10     100
2478          RK   5500   .0136     .05     .25             40      10

2479          KK   C123B
2480          KM        ADD HYDROGRAPHS AT C123B.
2481          HC       2

2482          KK     54
2483          KM        RUNOFF FROM SUBWATERSHED 54.
2484          BA    .85
2485          LS             81
2486          UI      0      94     236     486     797    1096    1116    1186    1011     811
2487          UI    657     569     464     380     309     266     249     234     177     149
2488          UI    140      75      72      69      53      39      38      36      35      37
2489          UI     18      17      17      16      16       7       0       0       0       0

2490          KK    C54
2491          KM        STORAGE ROUTE THROUGH C54.  72" CONCRETE OVERCHUTE ON CAP.
2492          RS       1    STOR       0       0
2493          SV       0   11.77   32.99   84.19  209.89  316.48
2494          SQ       0     240     395     465     520     550
2495          SE  1516.1    1524    1528    1532    1536    1538

2496          KK    C54
2497          KM        RETURN FLOW GOING OVER PLUG.
2498          DR   DIV54

2499          KK    C54
2500          KM        ADD HYDROGRAPHS AT C54.
2501          HC       2

2502          KK   C123C
2503          KM        ROUTE FLOW AT C54 TO C123C.
2504          RM       1     .43      .2

2505          KK    123C
2506          KM        RUNOFF FROM SUBWATERSHED 123C.
2507          BA    .25
2508          LS             79
2509          UK    350    .014     .10     100
2510          RK   5000   .0110     .05     .25             30      10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2511          KK   C123C
2512          KM        ADD HYDROGRAPHS AT C123C.
2513          HC       2

2514          KK   C123B
2515          KM        ADD HYDROGRAPHS AT C123B.
2516          HC       2

2517          KK   C123A
2518          KM        ROUTE FLOW FROM C123B TO C123A.
2519          RM       1     .71      .2

2520          KK    123A
2521          KM        RUNOFF FROM SUBWATERSHED 123A.
2522          BA    .94
2523          LS              76
2524          UK    200    .014     .10     100
2525          RK   5100   .0105     .05     .22                     15
2526          RK  12400   .0105     .05     .94             40      10

2527          KK   C123A
2528          KM        ADD HYDROGRAPHS AT C123A.
2529          HC       3

2530          KK    C124
2531          KM        STORAGE ROUTE THROUGH LAKE BONITA.
2532          RS       1    ELEV    1411       0
2533          SV       0   40.76   125.9  236.89  286.63  604.92  647.69
2534          SQ       0       0       0       0     260   13685   21000
2535          SE    1400    1404    1408    1411    1412  1416.5    1417

2536          KK    C123
2537          KM        ROUTE FLOW FROM C123A TO C123.
2538          RM       1     .61      .2

2539          KK     123
2540          KM        RUNOFF FROM SUBWATERSHED 123.
2541          BA    3.98
2542          LS       0      79       0
2543          UK     250    .011     .11     100
2544          RK    4400    .008     .06     .26    TRAP       0      15
2545          RK   23500    .008     .05            TRAP      40      10

2546          KK    C123
2547          KM        ADD HYDROGRAPHS AT C123.
2548          HC       2

2549          KK    C123
2550          KM        STORAGE ROUTE THROUGH C123.  58' WIDE SIPHON ON THE BEARDSLEY CANAL.
2551          RS       1    STOR       0       0
2552          SV       0   34.78  148.48     190
2553          SQ       0     493    1392    8712
2554          SE    1338    1340    1342    1343
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2555          KK    C121
2556          KM       ROUTE FLOW FROM C123 TO C121.
2557          RM      1     .21      .2

2558          KK    C121
2559          KM       ADD HYDROGRAPHS AT C121.
2560          HC      2

2561          KK     121
2562          KM       RUNOFF FROM SUBWATERSHED 121.
2563          BA    .55
2564          LS      0      77       0
2565          UK    250    .011     .11     100
2566          RK   2300   .0083     .05     .14    TRAP      0      10
2567          RK   4900   .0008     .03            TRAP     80      40

2568          KK    C121
2569          KM       ADD HYDROGRAPHS AT C121.
2570          HC      2

2571          KK    C122
2572          KM       ROUTE FLOW AT C121 TO C122.
2573          RM      1     .69      .2

2574          KK     122
2575          KM       RUNOFF FROM SUBWATERSHED 122.
2576          BA   1.10
2577          LS      0      77       0
2578          UK    200    .011     .11     100
2579          RK   3900   .0083     .05     .16    TRAP      0      15
2580          RK   7700   .0008     .02            TRAP     70      25

2581          KK    C122
2582          KM       ADD HYDROGRAPHS AT C122.
2583          HC      2

2584          KK    C132
2585          KM       ROUTE FLOW AT C122 TO C132.
2586          RM      1     .44      .2

2587          KK     55
2588          KM       RUNOFF FROM SUBWATERSHED 55.
2589          BA   3.27
2590          LS            84
2591          UI      0     80     162     246     391     565     779     979    1228    1344
2592          UI   1308   1468    1468    1468    1403    1097    1026     964     825     744
2593          UI    706    723     510     487     467     447     340     336     324     313
2594          UI    302    292     305     195     189     184     179     174     114      93
2595          UI     90     88      86      84      75      50      49      48      47      46
2596          UI     45     44      43      42      50      23      22      22      21      21
2597          UI     21     20      20      20      19       4       0       0       0       0
```

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

2598          KK     C55
2599          KM        STORAGE ROUTE THROUGH C55.  4-84" CONCRETE OVERCHUTES ON CAP.
2600          RS      1    STOR      0      0
2601          SV      0    3.03    5.45  19.99  64.79
2602          SQ      0    2260    2740   3160   3650
2603          SE  1510.5    1524    1528   1532   1536

2604          KK   C127A
2605          KM        ROUTE FLOW FROM C55 TO C127A.
2606          RM      1     .43     .2

2607          KK    127A
2608          KM        RUNOFF FROM SUBWATERSHED 127A.
2609          BA     .61
2610          LS             82
2611          UK     200    .015     .10    100
2612          RK    4100   .0097     .07    .15                    10
2613          RK    8800   .0097     .05    .61            50       5

2614          KK   C127A
2615          KM        ADD HYDROGRAPHS AT C127A.
2616          HC      2

2617          KK     56
2618          KM        RUNOFF FROM SUBWATERSHED 56.
2619          BA     .48
2620          LS             86
2621          UI      0     101     346     725     935     991     709     542     428     316
2622          UI    230     208     173     124      90      60      54      33      31      29
2623          UI     24      15      14      13       3       0       0       0       0       0

2624          KK     C56
2625          KM        STORAGE ROUTE THROUGH C56.  72" CONCRETE OVERCHUTE ON CAP.
2626          RS      1    STOR      0      0
2627          SV      0    5.66   22.86   44.38   93.0  175.78
2628          SQ      0     260     460     550     620     700
2629          SE  1512.5    1520    1528    1532    1536    1540

2630          KK   C126B
2631          KM        ROUTE FLOW AT C56 TO C127B.
2632          RM      1     .38     .2

2633          KK    127B
2634          KM        RUNOFF FROM SUBWATERSHED 127B.
2635          BA     .25
2636          LS             84
2637          UK     200    .015     .10    100
2638          RK    5600   .0161     .07    .25            30       5
```

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

2639          KK   C127B
2640          KM        ADD HYDROGRAPHS AT C127B.
2641          HC       2

2642          KK   C127A
2643          KM        ADD HYDROGRAPHS AT C127A.
2644          HC       2

2645          KK    C127
2646          KM        ROUTE FLOW FROM C127A TO C127.
2647          RM       1     .48      .2

2648          KK     127
2649          KM        RUNOFF FROM SUBWATERSHED 127.
2650          BA    2.44
2651          LS       0      82       0
2652          UK     300     .02     .12     100
2653          RK    4800   .0109     .07     .20    TRAP      0      10
2654          RK   15800   .0109     .05            TRAP     50       5

2655          KK    C127
2656          KM        ADD HYDROGRAPHS AT C127.
2657          HC       2

2658          KK     126
2659          KM        RUNOFF FROM SUBWATERSHED 126.
2660          BA    1.67
2661          LS       0      80       0
2662          UI       0      45      90     123     177     251     323     444     540     641
2663          UI     747     865     918     823     958     958     958     958     958     732
2664          UI     694     660     630     567     499     478     460     442     417     327
2665          UI     316     306     296     258     226     220     214     208     202     197
2666          UI     192     187     188     127     124     121     119     116     114      91
2667          UI      61      60      59      58      57      56      55      56      33      32
2668          UI      32      31      31      30      30      29      29      28      28      27
2669          UI      39      15      15      14      14      14      14      14      13      13
2670          UI      13      13      13      13       9       0       0       0       0       0

2671          KK    C127
2672          KM        ADD HYDROGRAPHS AT C127.
2673          HC       2

2674          KK    C125
2675          KM        ROUTE FLOW AT C127 TO C125.
2676          RM       1     .10      .2

2677          KK     125
2678          KM        RUNOFF FROM SUBWATERSHED 125.
2679          BA    1.47
2680          LS       0      80       0
2681          UK     200    .015     .12     100
2682          RK    2800   .0081     .07     .20    TRAP      0      10
2683          RK   11200   .0081     .05            TRAP     25       5
```

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


2684          KK    C125
2685          KM       ADD HYDROGRAPHS AT C125.
2686          HC      2

2687          KK    C125
2688          KM       STORAGE ROUTE THROUGH C125.  55' WIDE SIPHON ON THE BEARDSLEY CANAL.
2689          RS      1    STOR      0      0
2690          SV      0    5.96   37.64   74.71    100
2691          SQ      0    1320    3575    4950  15733
2692          SE   1332    1336    1340    1342   1344

2693          KK    C132
2694          KM       ROUTE FLOW AT C125 TO C132.
2695          RM      1     .81     .2

2696          KK     131
2697          KM       RUNOFF FROM SUBWATERSHED 131.
2698          BA    .59
2699          LS      0      77      0
2700          UK    350    .007    .11    100
2701          RK   2900   .0038    .06    .15   TRAP      0     25
2702          RK   7400   .0038    .05          TRAP     15     20

2703          KK    C132
2704          KM       ROUTE FLOW FROM C131 TO C132.
2705          RM      1     .54     .2

2706          KK    C132
2707          KM       ADD HYDROGRAPHS AT C132.
2708          HC      3

2709          KK     132
2710          KM       RUNOFF FROM SUBWATERSHED 132.
2711          BA   1.23
2712          LS      0      78      0
2713          UK    250     .01    .12    100
2714          RK   3600   .0061    .06    .31   TRAP      0     20
2715          RK  14500   .0061    .05          TRAP     50     15

2716          KK    C132
2717          KM       ADD HYDROGRAPHS AT C132
2718          HC      2

2719          KK     133
2720          KM       RUNOFF FROM SUBWATERSHED 133.
2721          BA   1.20
2722          LS      0      87      0
2723          UK    250     .01    .11    100
2724          RK   4000   .0074    .06    .40   TRAP      0     20
2725          RK  12500   .0074    .05     \    TRAP     10     15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2726          KK    C132
2727          KM       ADD HYDROGRAPHS AT C132.
2728          HC      2

2729          KK    C134
2730          KM       ROUTE FLOW FROM C132 TO C134.
2731          RM      1     .33      .2

2732          KK     128
2733          KM       RUNOFF FROM SUBWATERSHED 128.
2734          BA    .82
2735          LS      0      77       0
2736          UK    250     .01     .10     100
2737          RK   2100   .0063     .06     .27    TRAP      0      15
2738          RK   6000   .0063     .05            TRAP     10      20

2739          KK    C129
2740          KM       ROUTE FLOW FROM C128 TO C129.
2741          RM      1     .82      .2

2742          KK     129
2743          KM       RUNOFF FROM SUBWATERSHED 129.
2744          BA   1.66
2745          LS      0      77       0
2746          UK    350    .008     .12     100
2747          RK   3200   .0053     .06     .28    TRAP      0      20
2748          RK   9900   .0053     .05            TRAP     10      20

2749          KK    C129
2750          KM       ADD HYDROGRAPHS AT C129.
2751          HC      2

2752          KK    C130
2753          KM       ROUTE FLOW FROM C129 TO C130.
2754          RM      1     .62      .2

2755          KK     130
2756          KM       RUNOFF FROM SUBWATERSHED 130.
2757          BA   1.61
2758          LS      0      78       0
2759          UK    300    .006     .14     100
2760          RK   3200    .003     .06     .32    TRAP      0      20
2761          RK  14700    .003     .02            TRAP     40       3

2762          KK    C130
2763          KM       ADD HYDROGRAPHS AT C130.
2764          HC      2

2765          KK    C134
2766          KM       ROUTE FLOW FROM C130 TO C134.
2767          RM      1     .46      .2
```

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


2768          KK    C134
2769          KM        ADD HYDROGRAPHS AT C134.
2770          HC      2

2771          KK     134
2772          KM        RUNOFF FROM SUBWATERSHED 134.
2773          BA    .77
2774          LS      0      86       0
2775          UK    200    .008     .10     100
2776          RK   2700   .0054     .05     .25    TRAP       0      20
2777          RK  10500   .0054     .02            TRAP     180       3

2778          KK    C134
2779          KM        ADD HYDROGRAPHS AT C134.
2780          HC      2
2781          ZZ
```

SCHEMATIC DIAGRAM OF STREAM NETWORK

```
INPUT
 LINE     (V) ROUTING          (---)) DIVERSION OR PUMP FLOW

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

  19          1
              V
              V
  33        C62L
              .
              .
  36          .        62L
              .          .
              .          .
  43        C62L............
              V
              V
  46        C62I
              .
              .
  49          .        62I
              .          .
              .          .
  56        C62I............
              V
              V
  59        C62H
              .
              .
  62          .        62H
              .          .
              .          .
  69          .          .        62J
              .          .          .
              .          .          .
  76        C62H........................
              V
              V
  79        C62K
              .
              .
  82          .          2
              .          V
              .          V
  88          .       C62M
              .          .
              .          .
  91          .          .        62M
              .          .          .
              .          .          .
  98          .       C62M............
              .          V
              .          V
 101          .       C62K
              .          .
              .          .
 104          .          .          3
              .          .          V
              .          .          V
 110          .          .       C62K
```

```
113          .         .         .         4
             .         .         .         V
             .         .         .         V
120          .         .         .       C62K
             .         .         .         .
             .         .         .         .
123          .         .         .         .         5
             .         .         .         .         V
             .         .         .         .         V
129          .         .         .         .       C62K
             .         .         .         .         .
             .         .         .         .         .
132       C62K.........................................
             .
             .
135          .         6
             .         V
             .         V
141          .       C62K
             .         .
             .         .
144          .         .         7
             .         .         V
             .         .         V
150          .         .       C62K
             .         .         .
             .         .         .
153          .         .         .       62K
             .         .         .         .
             .         .         .         .
160       C62K...............................
             V
             V
163       C62G
             .
             .
166          .         8
             .         V
             .         V
172          .       C62G
             .         .
             .         .
175          .         .         9
             .         .         V
             .         .         V
181          .         .       C62G
             .         .         .
             .         .         .
184          .         .         .       62G
             .         .         .         .
             .         .         .         .
191       C62G...............................
             V
             V
194       C62E
             .
             .
197          .       62E
             .         .
             .         .
204       C62E............
             .
             .
207          .       10A
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```
            .         V
215         .       C10
            .         .
            .         .
218         .         .        10
            .         .         .
            .         .         .
225         .       C10...........
            .         V
            .         V
228         .      C62E
            .         .
            .         .
231         .         .        11
            .         .         .
            .         .         .
238         .         .         .        12
            .         .         .         .
            .         .         .         .
244         .         .       C11...........
            .         .         V
            .         .         V
247         .         .      C62E
            .         .         .
            .         .         .
250         .         .         .        13
            .         .         .         V
            .         .         .         V
257         .         .         .      C62E
            .         .         .         .
            .         .         .         .
260      C62E...............................
            .
            .
263         .        14
            .         V
            .         V
269         .      C62E
            .         .
            .         .
272         .         .        15
            .         .         V
            .         .         V
279         .         .      C62E
            .         .         .
            .         .         .
282         .         .         .        16
            .         .         .         V
            .         .         .         V
289         .         .         .      C62E
            .         .         .         .
            .         .         .         .
292         .         .         .         .        17
            .         .         .         .         V
            .         .         .         .         V
298         .         .         .         .      C62E
            .         .         .         .         .
            .         .         .         .         .
301      C62E.........................................
            .
            .
304         .        18
            .         V
            .         V
310         .      C62E
```

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                .         .
313             .         .         1
                .         .         V
                .         .         V
320             .         .       C62E
                .         .         .
                .         .         .
323             .         .         .        20
                .         .         .         V
                .         .         .         V
330             .         .         .       C62E
                .         .         .         .
                .         .         .         .
333             .         .         .         .        21
                .         .         .         .         V
                .         .         .         .         V
339             .         .         .         .       C62E
                .         .         .         .         .
                .         .         .         .         .
342          C62E.........................................
                .
                .
345             .        62F
                .         .
                .         .
352          C62E............
                V
                V
355          C62D
                .
                .
358             .        62D
                .         .
                .         .
365          C62D............
                V
                V
368          C62B
                .
                .
371             .        62B
                .         .
                .         .
378             .         .        62C
                .         .         .
                .         .         .
385          C62B......................
                V
                V
388           C62
                .
                .
391             .        62A
                .         V
                .         V
398             .        C62
                .         .
                .         .
401             .         .         62
                .         .         .
                .         .         .
408           C62......................
                V
                V
411           C62
                V
```

```
          V
417     C83T
          .
          .
420       .       83T
          .         .
          .         .
427     C83T............
          .
          .
430       .        22
          .         V
          .         V
436       .      C63B
          .         .
          .         .
439       .         .       23
          .         .        V
          .         .        V
445       .         .     C63B
          .         .        .
          .         .        .
448       .         .        .       24
          .         .        .        V
          .         .        .        V
454       .         .        .     C63B
          .         .        .        .
          .         .        .        .
457       .         .        .        .       25
          .         .        .        .        V
          .         .        .        .        V
463       .         .        .        .      C63B
          .         .        .        .        .
          .         .        .        .        .
466       .      C63B...................................
          .         .
          .         .
469       .         .      26B
          .         .       V
          .         .       V
478       .         .     C26A
          .         .        .
          .         .        .
481       .         .        .       26A
          .         .        .        .
          .         .        .        .
488       .         .     C26A............
          .         .       V
          .         .       V
491       .         .      C26
          .         .        .
          .         .        .
494       .         .        .        26
          .         .        .         .
          .         .        .         .
501       .         .      C26............
          .         .       V
          .         .       V
504       .         .     C63B
          .         .        .
          .         .        .
507       .         .        .        27
          .         .        .         V
          .         .        .         V
513       .         .        .      C63B
```

```
516                                   63B
                                       .
                                       .
523          C63B.......................
                V
                V
526          C63C
                .
                .
529                  28
                      V
                      V
536                  C63C
                      .
                      .
539                           29
                               V
                               V
545                           C63C
                               .
                               .
548                                   30
                                       V
                                       V
554                                   C63C
                                       .
                                       .
557                                           31
                                               V
                                               V
564                                           C63C
                                               .
                                               .
567          C63C.......................................
                .
                .
570                  32
                      V
                      V
576                  C63C
                      .
                      .
579                           33
                               V
                               V
585                           C63C
                               .
                               .
588                                   63C
                                       .
                                       .
595          C63C.......................
                V
                V
598          C63
                .
                .
601                  63A
                      V
                      V
608                  C63
                      .
                      .
611                           63
```

```
                .          .          .          .
618             .        C63.......................
                .          V
                .          V
621             .        C63
                .          V
                .          V
627             .       C83T
                .          .
                .          .
630             .          .        84T
                .          .          .
                .          .          .
637             .       C83T............
                .          .
                .          .
640          C83T............
               V
               V
643          C78T
                .
                .
646             .        60D
                .          V
                .          V
653             .       C60B
                .          .
                .          .
656             .          .        60B
                .          .          .
                .          .          .
663             .       C60B............
                .          V
                .          V
666             .       C60A
                .          .
                .          .
669             .          .        60C
                .          .          V
                .          .          V
676             .          .       C60A
                .          .          .
                .          .          .
679             .          .          .        60A
                .          .          .          .
                .          .          .          .
686             .       C60A.......................
                .          V
                .          V
689             .        C60
                .          .
                .          .
692             .          .         60
                .          .          .
                .          .          .
699             .        C60............
                .          .
                .          .
702             .          .         59
                .          .          V
                .          .          V
709             .          .        C60
                .          .          .
                .          .          .
712             .        C60............
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```
715   .   .   .   61
      .   .   .   V
      .   .   .   V
722   .   .   .  C60
      .   .   .   .
      .   .   .   .
725   .   .  C60.............
      .   .   V
      .   .   V
728   .   .  C60
      .   .   V
      .   .   V
734   .   .  C89T
      .   .   .
      .   .   .
737   .   .   .  88T
      .   .   .   .
      .   .   .   .
744   .   .  C89T.............
      .   .   .
      .   .   .
747   .   .   .  90T
      .   .   .   V
      .   .   .   V
754   .   .   .  C89T
      .   .   .   .
      .   .   .   .
757   .   .   .   .   89AT
      .   .   .   .    V
      .   .   .   .    V
768   .   .   .   .   C89T
      .   .   .   .    .
      .   .   .   .    .
771   .   .   .   .    .    89T
      .   .   .   .    .     .
      .   .   .   .    .     .
778   .   .  C89T.................................
      .   .   V
      .   .   V
781   .   .  C87T
      .   .   .
      .   .   .
784   .   .   .  87T
      .   .   .   .
      .   .   .   .
791   .   .  C87T.............
      .   .   .
      .   .   .
794   .   .   .  86AT
      .   .   .   V
      .   .   .   V
803   .   .   .  C87T
      .   .   .   .
      .   .   .   .
806   .   .   .   .   86T
      .   .   .   .    .
      .   .   .   .    .
813   .   .   .   .    .    85T
      .   .   .   .    .     .
      .   .   .   .    .     .
825   .   .  C87T.................................
      .   .   V
      .   .   V
828   .   .  C81T
```

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                .          .
831             .          .        81T
                .          .         .
                .          .         .
838             .       C81T............
                .          .
                .          .
841             .          .        80T
                .          .         .
                .          .         .
850             .          .         .        82T
                .          .         .         .
                .          .         .         .
857             .       C81T........................
                .          V
                .          V
860             .       C78T
                .          .
                .          .
863          C78T............
                .
                .
866             .        78T
                .          .
                .          .
873          C78T............
                V
                V
876          C76T
                .
                .
879             .        79T
                .          V
                .          V
886             .       C76T
                .          .
                .          .
889          C76T............
                .
                .
892             .        77T
                .          V
                .          V
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2147        .          .      C117D
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2150        .          .          .       117D
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2157        .          .      C117D............
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2160        .          .      C117A
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2163        .      C117A............
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2168        .          .          .(-------   DIV48
2166        .          .        C48
            .          .          V
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2169        .          .      C117F
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2172        .          .          .       117F
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2179        .          .      C117F............
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2184        .          .          .          .(-------   DIV49
2182        .          .          .       C49
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2185        .          .          .      C117G
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2188        .          .          .          .       117G
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2195        .          .          .      C117G............
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2198          .          .       C117F............
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2201          .          .       C117E
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2204          .          .          .       117E
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2211          .          .       C117E............
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2214          .          .       C117B
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2217          .          .          .       117B
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2224          .          .       C117B............
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2227          .       C117A............
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2233          .          .          .<------- DIV50A
2230          .          .        C50A
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2234          .          .       C117C
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2237          .          .          .       117C
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2244          .          .       C117C............
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2247          .       C117A............
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2250          .        C117
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2253          .          .        117
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2260          .        C117............
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              .          V
2263          .        C120
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2266          .          .         51
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2273          .          .          .        52A
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              .          .          .          V
2280          .          .          .        C52
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2283          .          .          .          .        52B
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2290          .          .          .          .       C52C
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2293                                                  52C
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2302                                            C52C............
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2305                                            C52C
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2308                                                   52
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2315                                       C52......................
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2318                                              53
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2332                                                   .(-------   DIV50
2330                                                  C50
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2333                                 C53...................................
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2336                                 C53
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2345                                  .-------)   DIV54
2343                                 C54
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2350                                  .-------)   DIV51
2348                                 C51
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2355                                  .-------)  DI52P1
2353                             C52P1
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2360                                  .-------)  DI52P2
2358                             C52P2
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2370                                  .-------)   DIV53
2363                                 C53
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2375                                          .(-------   DIV51
2373                                       C51
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2376                                       C120
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2379                                 C120............
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2382                                       120
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2389                            C120......................
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2392                            C120
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2398          .       C119
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2401       C119............
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2404          .        119
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2411       C119............
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              V
2414       C121
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2419          .          .(-------  DI52P1
2417          .      C52P1
              .          V
              .          V
2420          .      C124A
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2423          .          .       124A
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2430          .      C124A............
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              .          V
2433          .       C124
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2438          .          .          .(-------  DI52P2
2436          .          .      C52P2
              .          .          V
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2439          .          .      C124B
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2442          .          .          .       124B
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2449          .          .      C124B............
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2452          .          .       C124
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2455          .          .          .        124
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2462          .       C124........................
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2469          .          .          .(-------  DIV53
2465          .          .        C53
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2470          .          .      C123B
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2473          .          .          .      C123B
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2478                          C123B
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2482            .         .         .        54
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2490            .         .         .       C54
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2498            .         .         .        .          .(-------   DIV54
2496            .         .         .        .        C54
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2499            .         .         .       C54............
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2502            .         .         .     C123C
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2505            .         .         .        .       123C
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2511            .         .         .     C123C............
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2514            .         .     C123B............
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2517            .         .     C123A
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2520            .         .         .       123A
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2527            .       C123A......................
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2530            .       C124
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2536            .       C123
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2539            .         .       123
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2546            .       C123............
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2549            .       C123
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2555            .       C121
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2558          C121............
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2561            .        121
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2568          C121............
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                V
2571          C122
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2574        .        122
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2581     C122............
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            V
2584     C132
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2587        .         55
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            .         V
2598        .        C55
            .         V
            .         V
2604        .      C127A
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2607        .         .        127A
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2614        .      C127A............
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2617        .         .         56
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2624        .         .        C56
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2630        .         .      C126B
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2633        .         .          .        127B
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2639        .         .      C127B............
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2642        .      C127A............
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2645        .       C127
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2648        .         .        127
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2655        .       C127............
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2658        .         .        126
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2671        .       C127............
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2674        .       C125
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2677        .         .        125
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2684        .       C125............
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2687          .        C125
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2693          .        C132
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2696          .          .        131
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2703          .          .       C132
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2706       C132.......................
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2709          .        132
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2716       C132............
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2719          .        133
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2726       C132............
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2729       C134
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2732          .        128
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              .          V
2739          .       C129
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2742          .          .        129
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2749          .       C129............
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              .          V
2752          .       C130
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2755          .          .        130
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2762          .       C130............
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              .          V
2765          .       C134
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              .          .
2768       C134............
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2771          .        134
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2778       C134............
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(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

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****************************************
*                                      *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)  *
*            FEBRUARY 1981             *
*          REVISED 14 JUN 85           *
*                                      *
*      RUN DATE: 07/08/1988            *
*          TIME: 09:24:00.58           *
*                                      *
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*                                      *
*    U.S. ARMY CORPS OF ENGINEERS      *
*  THE HYDROLOGIC ENGINEERING CENTER   *
*          609 SECOND STREET           *
*       DAVIS, CALIFORNIA 95616        *
*                                      *
*  (916) 551-1748 OR (FTS) 448-3285    *
*                                      *
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WTMNPMP

THIS IS THE HEC-1 COMPUTER MODEL FOR THE WITTMANN AREA DRAINAGE MASTER STUDY. THIS STUDY IS PREPARED FOR THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY THE WLB GROUP, INC.

THIS PARTICULAR RUN WILL MODEL THE PROBABLE MAXIMUM STORM WITH A CORRESPONDING AREALLY DISTRIBUTED POINT RAINFALL OF 15.3". THIS IS BASED ON THE AREA THAT GETS TO THE MCMICKEN DAM WHICH IS 247 SQ. MILES.

```
 10 IO        OUTPUT CONTROL VARIABLES
                   IPRNT          5  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL         0.  HYDROGRAPH PLOT SCALE

    IT        HYDROGRAPH TIME DATA
                    NMIN          5  MINUTES IN COMPUTATION INTERVAL
                   IDATE    26JAN87  STARTING DATE
                   ITIME       1200  STARTING TIME
                      NQ        900  NUMBER OF HYDROGRAPH ORDINATES
                  NDDATE    29JAN87  ENDING DATE
                  NDTIME       1455  ENDING TIME

              COMPUTATION INTERVAL    0.08 HOURS
                   TOTAL TIME BASE   74.92 HOURS

        ENGLISH UNITS
             DRAINAGE AREA         SQUARE MILES
             PRECIPITATION DEPTH   INCHES
             LENGTH, ELEVATION     FEET
             FLOW                  CUBIC FEET PER SECOND
             STORAGE VOLUME        ACRE-FEET
             SURFACE AREA          ACRES
             TEMPERATURE           DEGREES FAHRENHEIT

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN     2460. TO    43157.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO    54560.
               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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*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN     8237. TO    19605.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO    24515.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO    14566.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO     2260.
               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.)

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN     4350. TO    15733.
               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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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	1	63.	42.00	61.	24.	10.	0.09		
ROUTED TO	C62L	64.	42.17	59.	24.	10.	0.09		
HYDROGRAPH AT	62L	260.	42.00	244.	96.	39.	0.36		
2 COMBINED AT	C62L	323.	42.00	302.	120.	48.	0.45		
ROUTED TO	C62I	326.	42.33	294.	120.	48.	0.45		
HYDROGRAPH AT	62I	385.	42.00	361.	146.	59.	0.54		
2 COMBINED AT	C62I	706.	42.00	652.	266.	107.	0.99		
ROUTED TO	C62H	705.	42.33	640.	266.	107.	0.99		
HYDROGRAPH AT	62H	401.	42.00	377.	151.	61.	0.55		
HYDROGRAPH AT	62J	615.	42.00	567.	230.	92.	0.88		
3 COMBINED AT	C62H	1718.	42.00	1566.	647.	259.	2.42		
ROUTED TO	C62K	1717.	42.00	1564.	647.	259.	2.42		
HYDROGRAPH AT	2	353.	42.00	329.	133.	53.	0.50		
ROUTED TO	C62M	354.	42.17	326.	133.	53.	0.50		
HYDROGRAPH AT	62M	166.	42.00	151.	59.	23.	0.24		
2 COMBINED AT	C62M	518.	42.00	474.	192.	77.	0.74		
ROUTED TO	C62K	519.	42.42	454.	192.	77.	0.74		
HYDROGRAPH AT	3	255.	42.00	241.	97.	39.	0.35		
ROUTED TO	C62K	260.	42.42	222.	97.	39.	0.35		
HYDROGRAPH AT	4	460.	42.00	426.	174.	70.	0.65		
ROUTED TO	C62K	454.	42.58	382.	173.	69.	0.65		
HYDROGRAPH AT	5	251.	42.00	236.	94.	38.	0.35		
ROUTED TO	C62K	259.	42.33	218.	94.	37.	0.35		
5 COMBINED AT	C62K	3178.	42.25	2808.	1203.	482.	4.51		
HYDROGRAPH AT	6	22.	42.00	21.	8.	3.	0.03		
ROUTED TO	C62K	23.	42.33	18.	8.	3.	0.03		
HYDROGRAPH AT	7	28.	42.00	27.	11.	4.	0.04		
ROUTED TO	C62K	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		

HYDROGRAPH AT	62K	955.	42.08	871.	358.	142.	1.40
4 COMBINED AT	C62K	4168.	42.17	3712.	1579.	632.	5.98
ROUTED TO	C62G	4154.	42.42	3680.	1579.	631.	5.98
HYDROGRAPH AT	8	7.	42.08	7.	3.	1.	0.01
ROUTED TO	C62G	7.	42.42	5.	3.	1.	0.01
HYDROGRAPH AT	9	57.	42.08	54.	22.	9.	0.08
ROUTED TO	C62G	56.	42.58	45.	22.	9.	0.08
HYDROGRAPH AT	62G	1303.	42.08	1196.	490.	196.	1.86
4 COMBINED AT	C62G	5489.	42.08	4877.	2093.	837.	7.93
ROUTED TO	C62E	5476.	42.33	4855.	2093.	836.	7.93
HYDROGRAPH AT	62E	477.	42.08	438.	179.	71.	0.68
2 COMBINED AT	C62E	5941.	42.17	5262.	2271.	908.	8.61
HYDROGRAPH AT	10A	1839.	42.08	1724.	714.	290.	4.94
ROUTED TO	C10	1862.	42.58	1616.	712.	290.	4.94
HYDROGRAPH AT	10	2753.	42.08	2510.	1042.	417.	3.93
2 COMBINED AT	C10	4561.	42.08	4090.	1754.	706.	8.87
ROUTED TO	C62E	4500.	42.67	3901.	1753.	705.	8.87
HYDROGRAPH AT	11	145.	42.08	138.	55.	22.	0.20
HYDROGRAPH AT	12	1.	42.08	1.	1.	0.	0.00
2 COMBINED AT	C11	147.	42.08	139.	56.	22.	0.20
ROUTED TO	C62E	145.	42.58	116.	55.	22.	0.20
HYDROGRAPH AT	13	71.	42.08	67.	27.	11.	0.10
ROUTED TO	C62E	70.	42.58	57.	27.	11.	0.10
4 COMBINED AT	C62E	10586.	42.33	9269.	4106.	1646.	17.78
HYDROGRAPH AT	14	7.	42.08	7.	3.	1.	0.01
ROUTED TO	C62E	7.	42.33	5.	3.	1.	0.01
HYDROGRAPH AT	15	401.	42.08	376.	153.	62.	0.57
ROUTED TO	C62E	402.	42.58	338.	153.	61.	0.57
HYDROGRAPH AT	16	426.	42.08	399.	163.	66.	0.62
ROUTED TO	C62E	423.	42.58	352.	163.	66.	0.62
HYDROGRAPH AT	17	35.	42.08	34.	13.	5.	0.05
ROUTED TO	C62E	36.	42.33	29.	13.	5.	0.05
5 COMBINED AT	C62E	11439.	42.42	9981.	4437.	1779.	19.03

HYDROGRAPH AT	18	28.	42.08	27.	11.	4.	0.04		
ROUTED TO	C62E	29.	42.42	23.	11.	4.	0.04		
HYDROGRAPH AT	1	97.	42.08	91.	37.	15.	0.14		
ROUTED TO	C62E	97.	42.58	80.	37.	15.	0.14		
HYDROGRAPH AT	20	481.	42.08	448.	184.	74.	0.70		
ROUTED TO	C62E	480.	42.58	408.	183.	74.	0.70		
HYDROGRAPH AT	21	14.	42.08	13.	5.	2.	0.02		
ROUTED TO	C62E	14.	42.42	10.	5.	2.	0.02		
5 COMBINED AT	C62E	12053.	42.42	10511.	4673.	1874.	19.93		
HYDROGRAPH AT	62F	1513.	42.08	1374.	567.	226.	2.18		
2 COMBINED AT	C62E	13507.	42.25	11803.	5240.	2100.	22.11		
ROUTED TO	C62D	13495.	42.33	11797.	5240.	2099.	22.11		
HYDROGRAPH AT	62D	1165.	42.08	1074.	448.	180.	1.66		
2 COMBINED AT	C62D	14618.	42.25	12791.	5687.	2279.	23.77		
ROUTED TO	C62B	14582.	42.42	12757.	5687.	2278.	23.77		
HYDROGRAPH AT	62B	341.	42.08	311.	125.	49.	0.49		
HYDROGRAPH AT	62C	287.	42.08	269.	110.	44.	0.40		
3 COMBINED AT	C62B	15136.	42.25	13248.	5921.	2372.	24.66		
ROUTED TO	C62	14696.	43.17	12728.	5916.	2364.	24.66		
HYDROGRAPH AT	62A	1108.	42.08	1021.	426.	171.	1.58		
ROUTED TO	C62	1082.	42.67	918.	424.	171.	1.58		
HYDROGRAPH AT	62	3562.	42.08	3194.	1334.	529.	5.09		
3 COMBINED AT	C62	18877.	42.50	16333.	7674.	3064.	31.33		
ROUTED TO	C62	18875.	42.50	16332.	7670.	3043.	31.33	1552.81	42.50
ROUTED TO	C83T	18145.	43.50	15841.	7663.	3032.	31.33		
HYDROGRAPH AT	83T	900.	42.08	799.	335.	132.	1.29		
2 COMBINED AT	C83T	18660.	43.33	16408.	7994.	3164.	32.62		
HYDROGRAPH AT	22	181.	42.08	166.	66.	26.	0.26		
ROUTED TO	C63B	183.	42.42	151.	66.	26.	0.26		
HYDROGRAPH AT	23	4.	42.08	4.	2.	1.	0.01		
ROUTED TO	C63B	5.	42.25	4.	2.	1.	0.01		
HYDROGRAPH AT	24	4.	42.08	4.	1.	1.	0.01		
ROUTED TO	C63B	4.	42.25	3.	1.	1.	0.01		

HYDROGRAPH AT	25	35.	42.00	32.	13.	5.	0.05
ROUTED TO	C63B	36.	42.42	28.	13.	5.	0.05
4 COMBINED AT	C63B	227.	42.42	187.	81.	32.	0.32
HYDROGRAPH AT	26B	4773.	42.00	4482.	1882.	770.	12.72
ROUTED TO	C26A	4773.	42.25	4424.	1881.	770.	12.72
HYDROGRAPH AT	26A	830.	42.00	777.	315.	127.	2.26
2 COMBINED AT	C26A	5595.	42.00	5170.	2196.	897.	14.98
ROUTED TO	C26	5594.	42.42	5072.	2195.	896.	14.98
HYDROGRAPH AT	26	755.	42.00	681.	280.	111.	1.12
2 COMBINED AT	C26	6328.	42.00	5729.	2472.	1007.	16.10
ROUTED TO	C63B	6314.	42.42	5667.	2472.	1007.	16.10
HYDROGRAPH AT	27	41.	42.00	38.	15.	6.	0.06
ROUTED TO	C63B	42.	42.33	34.	15.	6.	0.06
HYDROGRAPH AT	63B	1050.	42.00	982.	396.	159.	1.44
4 COMBINED AT	C63B	7601.	42.00	6735.	2963.	1204.	17.92
ROUTED TO	C63C	7587.	42.25	6713.	2963.	1203.	17.92
HYDROGRAPH AT	28	161.	42.00	150.	60.	24.	0.24
ROUTED TO	C63C	147.	42.75	116.	59.	24.	0.24
HYDROGRAPH AT	29	7.	42.00	7.	3.	1.	0.01
ROUTED TO	C63C	7.	42.42	5.	3.	1.	0.01
HYDROGRAPH AT	30	7.	42.00	7.	3.	1.	0.01
ROUTED TO	C63C	7.	42.33	6.	3.	1.	0.01
HYDROGRAPH AT	31	436.	42.00	400.	164.	65.	0.63
ROUTED TO	C63C	413.	42.92	344.	163.	65.	0.63
5 COMBINED AT	C63C	8130.	42.33	7172.	3186.	1294.	18.81
HYDROGRAPH AT	32	36.	42.00	35.	14.	6.	0.05
ROUTED TO	C63C	35.	42.58	27.	14.	6.	0.05
HYDROGRAPH AT	33	14.	42.00	14.	5.	2.	0.02
ROUTED TO	C63C	13.	42.42	10.	5.	2.	0.02
HYDROGRAPH AT	63C	1248.	42.00	1172.	475.	192.	1.70
4 COMBINED AT	C63C	9382.	42.00	8189.	3678.	1493.	20.58
ROUTED TO	C63	9155.	42.67	7941.	3675.	1490.	20.58
HYDROGRAPH AT	53A	1885.	42.00	1717.	700.	283.	2.57

ROUTED TO	C63	1880.	42.50	1650.	709.	283.	2.67		
HYDROGRAPH AT	63	1948.	42.08	1769.	735.	293.	2.78		
3 COMBINED AT	C63	12811.	42.33	11002.	5118.	2066.	26.03		
ROUTED TO	C63	12804.	42.33	10998.	5118.	2066.	26.03	1554.16	42.33
ROUTED TO	C83T	12009.	43.50	10461.	5109.	2057.	26.03		
HYDROGRAPH AT	84T	1260.	42.17	1104.	469.	185.	1.81		
2 COMBINED AT	C83T	12976.	43.25	11338.	5579.	2242.	27.84		
2 COMBINED AT	C83T	31628.	43.25	27746.	13568.	5406.	60.46		
ROUTED TO	C78T	31559.	43.58	27710.	13567.	5402.	60.46		
HYDROGRAPH AT	60D	1313.	42.08	1232.	506.	205.	1.78		
ROUTED TO	C60B	1324.	42.50	1157.	505.	205.	1.78		
HYDROGRAPH AT	60B	2522.	42.08	2307.	975.	394.	3.53		
2 COMBINED AT	C60B	3816.	42.08	3433.	1480.	598.	5.31		
ROUTED TO	C60A	3806.	42.33	3390.	1480.	598.	5.31		
HYDROGRAPH AT	60C	833.	42.08	778.	320.	129.	1.19		
ROUTED TO	C60A	829.	42.67	707.	319.	128.	1.19		
HYDROGRAPH AT	60A	2077.	42.08	1916.	789.	317.	2.88		
3 COMBINED AT	C60A	6665.	42.08	5890.	2587.	1043.	9.38		
ROUTED TO	C60	6637.	42.33	5834.	2586.	1042.	9.38		
HYDROGRAPH AT	60	2346.	42.08	2144.	903.	364.	3.29		
2 COMBINED AT	C60	8958.	42.17	7894.	3489.	1405.	12.67		
HYDROGRAPH AT	59	1600.	42.08	1452.	609.	244.	2.29		
ROUTED TO	C60	1594.	42.50	1409.	609.	243.	2.29		
2 COMBINED AT	C60	10541.	42.17	9298.	4097.	1648.	14.96		
HYDROGRAPH AT	61	909.	42.08	846.	351.	142.	1.27		
ROUTED TO	C60	909.	42.33	831.	351.	142.	1.27		
2 COMBINED AT	C60	11448.	42.17	10120.	4447.	1790.	16.23		
ROUTED TO	C60	11447.	42.25	9868.	4447.	1787.	16.23	1546.14	42.25
ROUTED TO	C89T	11417.	42.50	9830.	4447.	1785.	16.23		
HYDROGRAPH AT	88T	433.	42.08	400.	161.	64.	0.63		
2 COMBINED AT	C89T	11809.	42.25	10140.	4608.	1849.	16.86		
HYDROGRAPH AT	90T	1521.	42.08	1384.	563.	223.	2.23		
ROUTED TO	C90T	1519.	42.42	1340.	563.	223.	2.23		

HYDROGRAPH AT	89AT	1643.	42.08	1485.	630.	254.	2.69
ROUTED TO	C89T	1631.	42.75	1415.	630.	254.	2.69
HYDROGRAPH AT	89T	2300.	42.08	2083.	848.	335.	3.39
4 COMBINED AT	C89T	17206.	42.17	14621.	6647.	2661.	25.17
ROUTED TO	C87T	17096.	42.50	14509.	6646.	2658.	25.17
HYDROGRAPH AT	87T	1234.	42.08	1113.	454.	180.	1.77
2 COMBINED AT	C87T	18250.	42.33	15436.	7101.	2838.	26.94
HYDROGRAPH AT	86AT	1712.	42.08	1597.	661.	268.	2.77
ROUTED TO	C87T	1727.	42.58	1495.	660.	268.	2.77
HYDROGRAPH AT	86T	2147.	42.08	1910.	789.	311.	3.10
HYDROGRAPH AT	85T	2897.	42.08	2595.	1113.	449.	4.75
4 COMBINED AT	C87T	24942.	42.25	21033.	9658.	3865.	37.56
ROUTED TO	C81T	24881.	42.50	20992.	9657.	3863.	37.56
HYDROGRAPH AT	81T	965.	42.08	886.	357.	142.	1.40
2 COMBINED AT	C81T	25735.	42.33	21709.	10014.	4005.	38.96
HYDROGRAPH AT	80T	1130.	42.08	1048.	437.	177.	1.83
HYDROGRAPH AT	82T	1108.	42.08	987.	412.	163.	1.59
3 COMBINED AT	C81T	27947.	42.25	23512.	10860.	4345.	42.38
ROUTED TO	C78T	27889.	42.42	23483.	10860.	4343.	42.38
2 COMBINED AT	C78T	58112.	42.75	49944.	24399.	9745.	102.84
HYDROGRAPH AT	78T	752.	42.08	682.	274.	108.	1.10
2 COMBINED AT	C78T	58642.	42.75	50427.	24673.	9853.	103.94
ROUTED TO	C76T	57727.	43.33	49988.	24664.	9836.	103.94
HYDROGRAPH AT	79T	1903.	42.08	1695.	700.	275.	2.80
ROUTED TO	C76T	1876.	42.67	1610.	699.	275.	2.80
2 COMBINED AT	C76T	59459.	43.25	51411.	25362.	10110.	106.74
HYDROGRAPH AT	77T	1303.	42.08	1205.	490.	196.	2.15
ROUTED TO	C76T	1314.	42.50	1147.	490.	196.	2.15
2 COMBINED AT	C76T	60443.	43.17	52286.	25847.	10307.	108.89
HYDROGRAPH AT	76T	2828.	42.17	2500.	1041.	408.	4.11
2 COMBINED AT	C76T	62642.	43.08	54196.	26886.	10715.	113.00
HYDROGRAPH AT	66	358.	42.08	330.	131.	52.	0.54
ROUTED TO	C67	358.	42.17	327.	131.	52.	0.54

HYDROGRAPH AT	67	3833.	42.08	3442.	1503.	613.	6.20
2 COMBINED AT	C67	4190.	42.08	3760.	1634.	664.	6.74
ROUTED TO	C68	4186.	42.17	3755.	1634.	664.	6.74
HYDROGRAPH AT	68	1026.	42.08	937.	395.	160.	1.67
2 COMBINED AT	C68	5209.	42.17	4679.	2029.	824.	8.41
ROUTED TO	C69	5193.	42.50	4624.	2028.	824.	8.41
HYDROGRAPH AT	69	485.	42.08	446.	176.	69.	0.71
2 COMBINED AT	C69	5654.	42.08	5008.	2203.	893.	9.12
ROUTED TO	C70	5643.	42.25	4997.	2203.	893.	9.12
HYDROGRAPH AT	70A	3654.	42.08	3348.	1435.	586.	5.87
ROUTED TO	C70	3649.	42.33	3295.	1435.	586.	5.87
HYDROGRAPH AT	70	699.	42.08	643.	261.	104.	1.03
3 COMBINED AT	C70	9971.	42.08	8849.	3897.	1583.	16.02
ROUTED TO	C71	9840.	42.67	8612.	3895.	1581.	16.02
HYDROGRAPH AT	71	552.	42.08	506.	202.	80.	0.83
2 COMBINED AT	C71	10272.	42.17	8999.	4096.	1661.	16.85
ROUTED TO	C72	10246.	42.42	8983.	4096.	1660.	16.85
HYDROGRAPH AT	72	1275.	42.08	1166.	483.	194.	2.10
2 COMBINED AT	C72	11483.	42.25	9934.	4578.	1854.	18.95
ROUTED TO	C73	10864.	43.25	9521.	4572.	1849.	18.95
HYDROGRAPH AT	73	2611.	42.08	2380.	984.	394.	4.32
2 COMBINED AT	C73	12904.	42.42	11133.	5554.	2243.	23.27
ROUTED TO	C74	12241.	43.25	10912.	5548.	2237.	23.27
HYDROGRAPH AT	75	936.	42.08	869.	364.	148.	1.51
ROUTED TO	C74	937.	42.42	845.	363.	148.	1.51
HYDROGRAPH AT	74	866.	42.08	786.	316.	124.	1.26
3 COMBINED AT	C74	13527.	42.83	11952.	6222.	2509.	26.04
ROUTED TO	C76T	13455.	43.08	11934.	6222.	2508.	26.04
2 COMBINED AT	C76T	76097.	43.08	66052.	33105.	13222.	139.04
ROUTED TO	C91	75902.	43.33	65982.	33104.	13214.	139.04
HYDROGRAPH AT	34	241.	42.08	226.	91.	37.	0.34
ROUTED TO	C64A	235.	42.67	192.	91.	37.	0.34
HYDROGRAPH AT	35	241.	42.08	225.	92.	37.	0.34

ROUTED TO	C64A	239.	42.67	200.	91.	37.	0.34		
HYDROGRAPH AT	64A	1400.	42.08	1280.	528.	211.	1.99		
3 COMBINED AT	C64A	1843.	42.08	1633.	710.	285.	2.67		
ROUTED TO	C64	1826.	42.50	1583.	709.	284.	2.67		
HYDROGRAPH AT	36	2510.	42.08	2239.	961.	386.	3.64		
ROUTED TO	C64B	2495.	42.50	2173.	961.	385.	3.64		
HYDROGRAPH AT	37	1887.	42.08	1687.	723.	290.	2.71		
ROUTED TO	C64B	1875.	42.50	1631.	722.	289.	2.71		
HYDROGRAPH AT	64B	1353.	42.08	1260.	519.	209.	1.93		
3 COMBINED AT	C64B	5675.	42.08	4910.	2201.	883.	8.28		
ROUTED TO	C64	5624.	42.50	4846.	2200.	882.	8.28		
HYDROGRAPH AT	64	2481.	42.08	2287.	935.	373.	3.52		
3 COMBINED AT	C64	9858.	42.17	8446.	3843.	1539.	14.47		
ROUTED TO	C64	8700.	43.00	7579.	3830.	1527.	14.47	1556.39	43.00
ROUTED TO	C95	8404.	43.92	7423.	3826.	1522.	14.47		
HYDROGRAPH AT	95	1206.	42.08	1091.	448.	178.	1.72		
2 COMBINED AT	C95	8810.	43.50	8046.	4267.	1700.	16.19		
HYDROGRAPH AT	96	1277.	42.08	1162.	468.	184.	1.89		
ROUTED TO	C95	1274.	42.25	1147.	467.	184.	1.89		
HYDROGRAPH AT	94	361.	42.08	328.	131.	52.	0.53		
2 COMBINED AT	C95	1629.	42.08	1468.	599.	236.	2.42		
2 COMBINED AT	C95	10213.	42.42	9004.	4862.	1936.	18.61		
ROUTED TO	C93	9739.	43.42	8867.	4855.	1930.	18.61		
HYDROGRAPH AT	93	798.	42.08	712.	292.	115.	1.16		
2 COMBINED AT	C93	10211.	43.08	9277.	5144.	2045.	19.77		
HYDROGRAPH AT	92	1065.	42.08	941.	390.	153.	1.55		
2 COMBINED AT	C93	11045.	42.75	9888.	5530.	2199.	21.32		
ROUTED TO	C91	10887.	43.33	9851.	5528.	2195.	21.32		
2 COMBINED AT	C91	86788.	43.33	75758.	38622.	15409.	160.36		
HYDROGRAPH AT	91	779.	42.08	708.	291.	115.	1.12		
2 COMBINED AT	C91	87188.	43.33	76205.	38909.	15524.	161.48		
ROUTED TO	C97	82079.	44.67	73570.	38819.	15452.	161.48		
HYDROGRAPH AT	98	5991.	42.08	5316.	2275.	899.	8.65		

ROUTED TO	C65	5894.	42.67	5077.	2274.	905.	8.65
HYDROGRAPH AT	39	521.	42.08	472.	190.	75.	0.76
ROUTED TO	C65	514.	42.67	435.	190.	75.	0.76
HYDROGRAPH AT	40A	4942.	42.08	4391.	1830.	723.	7.11
ROUTED TO	C40	4928.	42.33	4349.	1830.	722.	7.11
HYDROGRAPH AT	40E	97.	42.08	89.	35.	14.	0.14
ROUTED TO	C40C	97.	42.17	88.	35.	14.	0.14
HYDROGRAPH AT	40F	2392.	42.08	2190.	904.	362.	3.51
ROUTED TO	C40C	2389.	42.08	2187.	904.	362.	3.51
HYDROGRAPH AT	40C	147.	42.08	137.	54.	21.	0.21
3 COMBINED AT	C40C	2632.	42.08	2404.	992.	397.	3.86
ROUTED TO	C40B	2629.	42.17	2399.	992.	396.	3.86
HYDROGRAPH AT	40J	1215.	42.08	1164.	476.	194.	3.24
ROUTED TO	C40H	1218.	42.25	1150.	476.	194.	3.24
HYDROGRAPH AT	40H	470.	42.08	445.	181.	73.	0.67
2 COMBINED AT	C40H	1683.	42.08	1593.	657.	267.	3.91
ROUTED TO	C40G	1684.	42.25	1568.	657.	267.	3.91
HYDROGRAPH AT	40I	614.	42.08	582.	238.	97.	1.65
ROUTED TO	C40G	618.	42.33	567.	238.	97.	1.65
2 COMBINED AT	C40G	2302.	42.33	2134.	895.	364.	5.56
HYDROGRAPH AT	40G	1446.	42.08	1342.	545.	218.	2.05
2 COMBINED AT	C40G	3738.	42.08	3462.	1439.	582.	7.61
ROUTED TO	C40D	3735.	42.08	3458.	1439.	582.	7.61
HYDROGRAPH AT	40D	131.	42.08	122.	48.	19.	0.19
2 COMBINED AT	C40D	3867.	42.08	3571.	1486.	601.	7.80
ROUTED TO	C40B	3863.	42.17	3560.	1486.	601.	7.80
HYDROGRAPH AT	40B	356.	42.08	332.	129.	51.	0.51
3 COMBINED AT	C40B	6845.	42.08	6258.	2606.	1048.	12.17
ROUTED TO	C40	6834.	42.25	6191.	2606.	1048.	12.17
HYDROGRAPH AT	40	981.	42.08	893.	361.	143.	1.45
3 COMBINED AT	C40	12718.	42.25	11381.	4792.	1913.	20.73
ROUTED TO	C41	12708.	42.33	11363.	4792.	1912.	20.73
HYDROGRAPH AT	41	499.	42.08	451.	187.	72.	0.58

2 COMBINED AT	C41	13167.	42.08	11768.	4975.	1985.	21.41		
ROUTED TO	C65	13167.	42.17	11768.	4975.	1985.	21.41		
HYDROGRAPH AT	65	1257.	42.08	1133.	465.	184.	1.81		
4 COMBINED AT	C65	20727.	42.25	18225.	7902.	3148.	32.63		
ROUTED TO	C65	20727.	42.25	18225.	7900.	3148.	32.63	1552.89	42.25
ROUTED TO	C102A	20533.	42.83	17851.	7898.	3142.	32.63		
HYDROGRAPH AT	102A	1628.	42.08	1464.	598.	237.	2.34		
2 COMBINED AT	C102A	21906.	42.42	19074.	8493.	3378.	34.97		
HYDROGRAPH AT	104	29.	42.08	26.	10.	4.	0.04		
ROUTED TO	C102A	28.	42.42	22.	10.	4.	0.04		
2 COMBINED AT	C102A	21934.	42.42	19096.	8503.	3382.	35.01		
HYDROGRAPH AT	105	20.	42.08	19.	7.	3.	0.03		
ROUTED TO	C102A	19.	42.50	15.	7.	3.	0.03		
2 COMBINED AT	C102A	21953.	42.42	19111.	8510.	3385.	35.04		
HYDROGRAPH AT	42D1	28.	42.08	26.	10.	4.	0.04		
ROUTED TO	C42D	28.	42.17	25.	10.	4.	0.04		
HYDROGRAPH AT	42D	69.	42.08	64.	25.	10.	0.10		
2 COMBINED AT	C42D	97.	42.08	89.	35.	14.	0.14		
ROUTED TO	C42A	98.	42.25	86.	35.	14.	0.14		
HYDROGRAPH AT	42A	228.	42.08	209.	82.	32.	0.33		
2 COMBINED AT	C42A	324.	42.08	294.	117.	46.	0.47		
ROUTED TO	C42	326.	42.42	269.	116.	46.	0.47		
HYDROGRAPH AT	42E1	330.	42.08	305.	122.	48.	0.48		
ROUTED TO	C42E	330.	42.17	303.	122.	48.	0.48		
HYDROGRAPH AT	42E	69.	42.08	64.	25.	10.	0.10		
2 COMBINED AT	C42E	398.	42.08	365.	147.	58.	0.58		
ROUTED TO	C42B	398.	42.25	361.	147.	58.	0.58		
HYDROGRAPH AT	42B	117.	42.08	108.	43.	17.	0.17		
2 COMBINED AT	C42B	514.	42.08	463.	189.	75.	0.75		
ROUTED TO	C42	506.	42.50	432.	189.	75.	0.75		
HYDROGRAPH AT	42F1	149.	42.08	136.	54.	21.	0.22		
ROUTED TO	C42F	149.	42.17	135.	54.	21.	0.22		
HYDROGRAPH AT	42F	76.	42.08	70.	27.	11.	0.11		

2 COMBINED AT	C42F	224.	42.08	203.	81.	32.	0.33		
ROUTED TO	C42C	224.	42.25	201.	81.	32.	0.33		
HYDROGRAPH AT	42C	207.	42.08	192.	75.	30.	0.30		
2 COMBINED AT	C42C	430.	42.08	384.	156.	62.	0.63		
ROUTED TO	C42	431.	42.33	362.	156.	62.	0.63		
HYDROGRAPH AT	42	1331.	42.08	1214.	498.	199.	1.88		
4 COMBINED AT	C42	2561.	42.25	2241.	960.	381.	3.73		
HYDROGRAPH AT	43B	570.	42.08	542.	223.	91.	1.52		
ROUTED TO	C43A	572.	42.33	532.	223.	91.	1.52		
HYDROGRAPH AT	43A	1016.	42.08	950.	390.	157.	1.46		
2 COMBINED AT	C43A	1585.	42.08	1479.	613.	248.	2.98		
ROUTED TO	C43	1589.	42.42	1422.	612.	248.	2.98		
HYDROGRAPH AT	43C	225.	42.08	212.	85.	34.	0.31		
ROUTED TO	C43C	198.	42.25	175.	85.	34.	0.31	1812.79	42.25
ROUTED TO	C43	186.	43.25	167.	84.	34.	0.31		
HYDROGRAPH AT	43D	254.	42.08	240.	96.	38.	0.35		
ROUTED TO	C43	260.	42.50	217.	95.	38.	0.35		
3 COMBINED AT	C43	2027.	42.50	1786.	792.	320.	3.64		
HYDROGRAPH AT	43E	232.	42.08	220.	88.	35.	0.32		
ROUTED TO	C43	238.	42.50	198.	87.	35.	0.32		
HYDROGRAPH AT	43	3023.	42.08	2729.	1121.	444.	4.42		
3 COMBINED AT	C43	5239.	42.08	4676.	1999.	799.	8.38		
HYDROGRAPH AT	44	516.	42.08	470.	187.	74.	0.76		
HYDROGRAPH AT	45	1554.	42.08	1397.	567.	223.	2.29		
4 COMBINED AT	C46	9861.	42.08	8747.	3712.	1477.	15.16		
HYDROGRAPH AT	46	823.	42.08	746.	300.	118.	1.22		
2 COMBINED AT	C46	10684.	42.08	9481.	4012.	1595.	16.38		
HYDROGRAPH AT	47C	6162.	42.08	5739.	2430.	994.	16.43		
ROUTED TO	C47B	6178.	42.50	5535.	2427.	994.	16.43		
HYDROGRAPH AT	47B	1618.	42.08	1487.	611.	245.	2.30		
2 COMBINED AT	C47B	7742.	42.08	6960.	3037.	1239.	18.73		
ROUTED TO	C47A	7726.	42.33	6910.	3037.	1238.	18.73		
HYDROGRAPH AT	47A	1335.	42.08	1207.	425.	187.	1.90		

2 COMBINED AT	C47A	9034.	42.08	8041.	3531.	1436.	20.63		
ROUTED TO	C47	9026.	42.25	8031.	3531.	1435.	20.63		
HYDROGRAPH AT	47	167.	42.08	154.	61.	24.	0.24		
2 COMBINED AT	C47	9183.	42.08	8161.	3591.	1459.	20.87		
HYDROGRAPH AT	48	6699.	42.08	6049.	2551.	1021.	9.63		
HYDROGRAPH AT	49	387.	42.08	352.	141.	55.	0.57		
4 COMBINED AT	C49	26952.	42.08	23845.	10288.	4131.	47.45		
HYDROGRAPH AT	50	217.	42.08	198.	78.	31.	0.32		
2 COMBINED AT	C50	27169.	42.08	24027.	10366.	4162.	47.77		
ROUTED TO	C50	26806.	42.25	22680.	9767.	4119.	47.77	1556.25	42.25
DIVERSION TO	DIV50	14236.	42.25	11809.	3795.	1274.	47.77		
HYDROGRAPH AT	C50	12570.	42.25	10870.	5972.	2845.	47.77		
DIVERSION TO	DIV42	484.	42.25	474.	402.	216.	47.77		
HYDROGRAPH AT	C42	12086.	42.25	10397.	5570.	2629.	47.77		
DIVERSION TO	DIV43	2472.	42.25	1772.	734.	333.	47.77		
HYDROGRAPH AT	C43	9614.	42.25	8625.	4836.	2296.	47.77		
DIVERSION TO	DIV44	484.	42.25	474.	413.	228.	47.77		
HYDROGRAPH AT	C44	9131.	42.25	8151.	4423.	2068.	47.77		
DIVERSION TO	DIV45	484.	42.25	474.	417.	236.	47.77		
HYDROGRAPH AT	C45	8647.	42.25	7678.	4006.	1832.	47.77		
DIVERSION TO	DIV46	6708.	42.25	5780.	2320.	870.	47.77		
HYDROGRAPH AT	C46	1939.	42.25	1897.	1687.	963.	47.77		
DIVERSION TO	DIV47	485.	42.25	475.	423.	242.	47.77		
HYDROGRAPH AT	C47	1454.	42.25	1423.	1264.	720.	47.77		
DIVERSION TO	DIV48	485.	42.25	475.	423.	241.	47.77		
HYDROGRAPH AT	C48	969.	42.25	948.	841.	479.	47.77		
DIVERSION TO	DIV49	485.	42.25	475.	428.	246.	47.77		
HYDROGRAPH AT	C49	484.	42.25	474.	413.	233.	47.77		
DIVERSION TO	DIV50A	484.	0.08	474.	413.	233.	47.77		
HYDROGRAPH AT	C50A	0.	0.08	0.	0.	0.	47.77		
HYDROGRAPH AT	C42	484.	42.25	474.	402.	216.	0.00		
ROUTED TO	C106	484.	42.50	473.	402.	216.	0.00		
HYDROGRAPH AT	106	43.	42.08	39.	15.	6.	0.06		

2 COMBINED AT	C106	525.	42.08	503.	416.	222.	0.06
ROUTED TO	C102A	518.	42.50	496.	415.	219.	0.06
2 COMBINED AT	C102A	518.	42.50	496.	415.	219.	47.83
HYDROGRAPH AT	C43	2472.	42.25	1772.	734.	333.	0.00
ROUTED TO	C107	2452.	42.58	1765.	734.	332.	0.00
HYDROGRAPH AT	107	220.	42.08	201.	80.	32.	0.32
2 COMBINED AT	C107	2641.	42.33	1922.	809.	364.	0.32
ROUTED TO	C102A	2552.	43.00	1882.	809.	362.	0.32
2 COMBINED AT	C102A	3065.	43.00	2378.	1224.	582.	48.15
HYDROGRAPH AT	108	457.	42.08	418.	166.	65.	0.67
ROUTED TO	C102A	457.	42.33	406.	166.	65.	0.67
2 COMBINED AT	C102A	3465.	42.67	2699.	1380.	647.	48.82
HYDROGRAPH AT	109	84.	42.08	77.	30.	12.	0.12
ROUTED TO	C102A	85.	42.33	74.	30.	12.	0.12
3 COMBINED AT	C102A	25474.	42.50	21846.	9903.	4044.	83.98
ROUTED TO	C102	25288.	42.92	21690.	9901.	4038.	83.98
HYDROGRAPH AT	102	501.	42.08	462.	188.	75.	0.72
2 COMBINED AT	C102	25586.	42.83	22028.	10086.	4113.	84.70
HYDROGRAPH AT	98A	918.	42.08	829.	335.	132.	1.33
ROUTED TO	C102	908.	42.67	776.	335.	132.	1.33
HYDROGRAPH AT	98	691.	42.08	617.	252.	99.	1.01
2 COMBINED AT	C102	1574.	42.17	1359.	586.	230.	2.34
2 COMBINED AT	C102	27030.	42.67	23257.	10669.	4344.	87.04
ROUTED TO	C97	26774.	43.17	23061.	10666.	4336.	87.04
HYDROGRAPH AT	97A	558.	42.08	501.	204.	80.	0.81
ROUTED TO	C97	532.	42.92	445.	203.	80.	0.81
2 COMBINED AT	C97	27301.	43.17	23496.	10870.	4415.	87.85
HYDROGRAPH AT	100	533.	42.08	497.	205.	83.	0.74
ROUTED TO	C97	532.	42.25	493.	205.	83.	0.74
2 COMBINED AT	C97	27677.	43.08	23855.	11069.	4498.	88.59
HYDROGRAPH AT	97	1345.	42.08	1201.	495.	195.	1.97
2 COMBINED AT	C97	28711.	42.83	24778.	11560.	4693.	90.56
HYDROGRAPH AT	[illegible]	404.	42.25	474.	[illegible]	[illegible]	0.03

ROUTED TO	C110	480.	43.17	469.	412.	225.	0.00		
HYDROGRAPH AT	110	1408.	42.08	1273.	513.	202.	2.06		
2 COMBINED AT	C110	1884.	42.08	1707.	906.	428.	2.06		
HYDROGRAPH AT	C45	484.	42.25	474.	417.	236.	0.00		
ROUTED TO	C110	481.	43.17	469.	416.	233.	0.00		
2 COMBINED AT	C110	2360.	42.08	2146.	1313.	660.	2.06		
ROUTED TO	C101	2345.	42.50	2101.	1312.	656.	2.06		
HYDROGRAPH AT	101	1156.	42.08	1072.	436.	175.	1.65		
2 COMBINED AT	C101	3476.	42.08	3113.	1731.	831.	3.71		
HYDROGRAPH AT	111	240.	42.08	218.	87.	34.	0.35		
ROUTED TO	C101	239.	42.58	197.	87.	34.	0.35		
2 COMBINED AT	C101	3703.	42.17	3304.	1817.	865.	4.06		
HYDROGRAPH AT	112	909.	42.08	825.	330.	130.	1.34		
ROUTED TO	C101	908.	42.25	817.	330.	130.	1.34		
2 COMBINED AT	C101	4609.	42.17	4116.	2143.	995.	5.40		
HYDROGRAPH AT	113	395.	42.08	354.	145.	57.	0.59		
ROUTED TO	C101	394.	42.25	351.	145.	57.	0.59		
2 COMBINED AT	C101	5003.	42.17	4467.	2287.	1052.	5.99		
HYDROGRAPH AT	114	56.	42.08	51.	20.	8.	0.08		
ROUTED TO	C101	56.	42.17	50.	20.	8.	0.08		
2 COMBINED AT	C101	5059.	42.17	4516.	2307.	1060.	6.07		
ROUTED TO	C97	5040.	42.42	4481.	2307.	1057.	6.07		
2 COMBINED AT	C97	33625.	42.67	28792.	13867.	5750.	96.63		
HYDROGRAPH AT	99	205.	42.08	189.	76.	30.	0.29		
3 COMBINED AT	C97	110374.	44.08	98710.	52728.	21232.	258.40		
ROUTED TO	C97	95042.	46.00	87421.	47089.	17613.	258.40	1360.46	46.00
DIVERSION TO	DIV97	89770.	46.00	82214.	42225.	14992.	258.40		
HYDROGRAPH AT	C97	5272.	46.00	5206.	4864.	2621.	258.40		
ROUTED TO	C119	5153.	49.08	5108.	4823.	2449.	258.40		
HYDROGRAPH AT	115	36.	42.08	34.	13.	5.	0.05		
ROUTED TO	C103	37.	42.33	32.	13.	5.	0.05		
HYDROGRAPH AT	C97	89770.	46.00	82214.	42225.	14992.	0.00		
ROUTED TO	C103	89740.	46.17	82176.	42220.	14985.	0.04		

2 COMBINED AT	C103	89725.	46.17	82183.	42227.	14991.	0.05
HYDROGRAPH AT	103	223.	42.08	209.	84.	33.	0.32
2 COMBINED AT	C103	89766.	46.17	82222.	42269.	15025.	0.37
ROUTED TO	C119	71744.	50.08	67849.	41009.	14717.	0.37
HYDROGRAPH AT	116	708.	42.08	657.	266.	107.	1.00
ROUTED TO	C119	706.	42.33	639.	266.	107.	1.00
3 COMBINED AT	C119	76976.	50.08	73046.	45914.	17272.	259.77
HYDROGRAPH AT	118	984.	42.08	907.	368.	147.	1.39
ROUTED TO	C119	939.	42.92	777.	367.	146.	1.39
2 COMBINED AT	C119	77185.	50.08	73247.	46103.	17418.	261.16
HYDROGRAPH AT	C46	6708.	42.25	5780.	2320.	870.	0.00
ROUTED TO	C117A	6070.	43.67	5185.	2317.	865.	0.00
HYDROGRAPH AT	117A	1199.	42.08	1070.	453.	180.	1.72
2 COMBINED AT	C117A	6887.	43.08	5953.	2745.	1045.	1.72
HYDROGRAPH AT	C47	485.	42.25	475.	423.	242.	0.00
ROUTED TO	C117D	482.	43.08	471.	422.	239.	0.00
HYDROGRAPH AT	117D	387.	42.08	354.	145.	58.	0.55
2 COMBINED AT	C117D	865.	42.08	799.	556.	297.	0.55
ROUTED TO	C117A	861.	42.42	789.	556.	295.	0.55
2 COMBINED AT	C117A	7704.	42.92	6683.	3301.	1340.	2.27
HYDROGRAPH AT	C48	485.	42.25	475.	423.	241.	0.00
ROUTED TO	C117F	484.	42.75	473.	423.	240.	0.00
HYDROGRAPH AT	117F	253.	42.08	235.	94.	38.	0.36
2 COMBINED AT	C117F	736.	42.08	688.	510.	277.	0.36
HYDROGRAPH AT	C49	485.	42.25	475.	428.	246.	0.00
ROUTED TO	C117G	484.	42.75	474.	428.	244.	0.00
HYDROGRAPH AT	117G	190.	42.08	176.	71.	28.	0.27
2 COMBINED AT	C117G	673.	42.08	631.	493.	273.	0.27
2 COMBINED AT	C117F	1409.	42.08	1319.	1003.	550.	0.63
ROUTED TO	C117E	1406.	42.33	1311.	1003.	548.	0.63
HYDROGRAPH AT	117E	283.	42.08	262.	106.	42.	0.40
2 COMBINED AT	C117E	1684.	42.08	1562.	1102.	590.	1.03
ROUTED TO	C117E	1678.	42.50	1548.	1102.	586.	1.03

HYDROGRAPH AT	117B	262.	42.08	241.	98.	39.	0.37		
2 COMBINED AT	C117B	1931.	42.17	1770.	1193.	625.	1.40		
2 COMBINED AT	C117A	9535.	42.67	8289.	4494.	1965.	3.67		
HYDROGRAPH AT	C50A	484.	42.25	474.	413.	233.	0.00		
ROUTED TO	C117C	477.	43.50	466.	412.	229.	0.00		
HYDROGRAPH AT	117C	1041.	42.08	944.	389.	155.	1.47		
2 COMBINED AT	C117C	1509.	42.08	1374.	783.	384.	1.47		
2 COMBINED AT	C117A	10947.	42.42	9451.	5274.	2349.	5.14		
ROUTED TO	C117	10862.	42.83	9427.	5273.	2344.	5.14		
HYDROGRAPH AT	117	661.	42.08	610.	246.	98.	0.94		
2 COMBINED AT	C117	11304.	42.58	9816.	5507.	2442.	6.08		
ROUTED TO	C120	11288.	42.75	9811.	5507.	2440.	6.08		
HYDROGRAPH AT	51	326.	42.08	298.	118.	47.	0.48		
HYDROGRAPH AT	52A	1623.	42.08	1546.	640.	261.	4.32		
ROUTED TO	C52	1666.	42.58	1416.	637.	261.	4.32		
HYDROGRAPH AT	52B	1844.	42.08	1758.	723.	295.	4.92		
ROUTED TO	C52C	1843.	42.08	1757.	723.	295.	4.92		
HYDROGRAPH AT	52C	2159.	42.08	2026.	847.	346.	5.77		
2 COMBINED AT	C52C	4003.	42.08	3779.	1570.	640.	10.69		
ROUTED TO	C52C	4028.	42.42	3673.	1568.	640.	10.69		
HYDROGRAPH AT	52	4116.	42.08	3701.	1567.	626.	5.93		
3 COMBINED AT	C52	9692.	42.08	8772.	3766.	1528.	20.94		
HYDROGRAPH AT	53	2016.	42.08	1811.	782.	317.	1.64		
HYDROGRAPH AT	C50	14236.	42.25	11809.	3795.	1274.	0.00		
4 COMBINED AT	C53	26244.	42.17	22125.	8433.	3166.	23.06		
ROUTED TO	C53	26220.	42.25	21480.	8220.	3156.	23.06	1555.82	42.25
DIVERSION TO	DIV54	21774.	42.25	17075.	4541.	1514.	23.06		
HYDROGRAPH AT	C54	4446.	42.25	4405.	3679.	1642.	23.06		
DIVERSION TO	DIV51	493.	42.25	489.	386.	156.	23.06		
HYDROGRAPH AT	C51	3953.	42.25	3916.	3293.	1485.	23.06		
DIVERSION TO	DI52P1	1973.	42.25	1956.	1635.	732.	23.06		
HYDROGRAPH AT	C52P1	1980.	42.25	1961.	1658.	753.	23.06		
DIVERSION TO	DI52P2	485.	42.25	450.	412.	186.	23.06		

HYDROGRAPH AT	C52P2	1485.	42.25	1471.	1244.	567.	23.06		
DIVERSION TO	DIV53	1485.	0.00	1471.	1244.	567.	23.06		
HYDROGRAPH AT	C53	0.	0.00	0.	0.	0.	23.06		
HYDROGRAPH AT	C51	493.	42.25	489.	386.	156.	0.00		
ROUTED TO	C120	481.	44.50	474.	382.	156.	0.00		
2 COMBINED AT	C120	481.	44.50	474.	382.	156.	23.06		
HYDROGRAPH AT	120	1544.	42.08	1419.	584.	233.	2.22		
3 COMBINED AT	C120	13058.	42.33	11231.	6437.	2829.	31.36		
ROUTED TO	C120	13056.	42.42	11231.	6437.	2828.	31.36	1340.83	42.42
ROUTED TO	C119	13025.	42.58	11227.	6437.	2826.	31.36		
2 COMBINED AT	C119	82572.	49.92	78589.	50825.	20244.	292.52		
HYDROGRAPH AT	119	678.	42.08	591.	254.	100.	0.96		
2 COMBINED AT	C119	82672.	49.92	78688.	50940.	20344.	293.48		
ROUTED TO	C121	82478.	50.33	78528.	50919.	20269.	293.48		
HYDROGRAPH AT	C52P1	1973.	42.25	1956.	1635.	732.	0.00		
ROUTED TO	C124A	1972.	42.67	1950.	1634.	731.	0.00		
HYDROGRAPH AT	124A	889.	42.08	810.	325.	128.	1.31		
2 COMBINED AT	C124A	2860.	42.08	2607.	1942.	859.	1.31		
ROUTED TO	C124	2857.	42.17	2605.	1942.	859.	1.31		
HYDROGRAPH AT	C52P2	495.	42.25	490.	413.	186.	0.00		
ROUTED TO	C124B	494.	43.00	487.	412.	186.	0.00		
HYDROGRAPH AT	124B	611.	42.08	556.	222.	87.	0.90		
2 COMBINED AT	C124B	1102.	42.08	983.	623.	273.	0.90		
ROUTED TO	C124	1101.	42.08	983.	623.	273.	0.90		
HYDROGRAPH AT	124	587.	42.08	537.	215.	85.	0.86		
3 COMBINED AT	C124	4544.	42.08	4081.	2770.	1217.	3.07		
HYDROGRAPH AT	C53	1485.	42.25	1471.	1244.	567.	0.00		
ROUTED TO	C123B	1485.	42.50	1469.	1244.	566.	0.00		
HYDROGRAPH AT	C123B	176.	42.08	163.	65.	26.	0.25		
2 COMBINED AT	C123B	1660.	42.08	1587.	1305.	592.	0.25		
HYDROGRAPH AT	54	1048.	42.08	978.	402.	163.	0.85		
ROUTED TO	C54	537.	42.83	525.	400.	163.	0.85	1537.13	42.83
HYDROGRAPH AT	C54	21774.	42.25	17075.	4544.	1614.	0.00		

2 COMBINED AT	C54	22308.	42.25	17593.	4941.	1676.	0.85		
ROUTED TO	C123C	22207.	42.58	17380.	4941.	1676.	0.85		
HYDROGRAPH AT	123C	178.	42.08	168.	67.	27.	0.25		
2 COMBINED AT	C123C	22295.	42.50	17493.	5008.	1703.	1.10		
2 COMBINED AT	C123B	23881.	42.42	19075.	6294.	2295.	1.35		
ROUTED TO	C123A	23639.	43.00	18646.	6293.	2294.	1.35		
HYDROGRAPH AT	123A	654.	42.08	602.	243.	97.	0.94		
3 COMBINED AT	C123A	28220.	42.33	22777.	9294.	3608.	5.36		
ROUTED TO	C124	28201.	42.42	22675.	9293.	3599.	5.36	1417.49	42.42
ROUTED TO	C123	27702.	43.00	22412.	9290.	3596.	5.36		
HYDROGRAPH AT	123	2818.	42.08	2594.	1065.	426.	3.98		
2 COMBINED AT	C123	29640.	42.58	23980.	10295.	4022.	9.34		
ROUTED TO	C123	29625.	42.67	23973.	10295.	4014.	9.34	1345.86	42.67
ROUTED TO	C121	29540.	42.92	23937.	10295.	4012.	9.34		
2 COMBINED AT	C121	87941.	50.08	84527.	59710.	24281.	302.82		
HYDROGRAPH AT	121	384.	42.08	356.	143.	57.	0.55		
2 COMBINED AT	C121	87983.	50.08	84576.	59787.	24338.	303.37		
ROUTED TO	C122	87632.	50.75	84316.	59727.	24216.	303.37		
HYDROGRAPH AT	122	761.	42.08	705.	285.	114.	1.10		
2 COMBINED AT	C122	87711.	50.75	84408.	59866.	24330.	304.47		
ROUTED TO	C132	87571.	51.17	84303.	59840.	24248.	304.47		
HYDROGRAPH AT	55	2434.	42.08	2211.	952.	388.	3.27		
ROUTED TO	C55	2433.	42.08	2211.	952.	388.	3.27	1525.44	42.08
ROUTED TO	C127A	2429.	42.33	2192.	952.	388.	3.27		
HYDROGRAPH AT	127A	431.	42.08	405.	165.	67.	0.61		
2 COMBINED AT	C127A	2856.	42.08	2568.	1117.	454.	3.88		
HYDROGRAPH AT	56	601.	42.08	575.	237.	97.	0.48		
ROUTED TO	C56	557.	42.25	519.	237.	97.	0.48	1532.39	42.25
ROUTED TO	C126B	556.	42.50	516.	237.	97.	0.48		
HYDROGRAPH AT	127B	181.	42.08	173.	70.	28.	0.25		
2 COMBINED AT	C127B	735.	42.08	666.	307.	125.	0.73		
2 COMBINED AT	C127A	3591.	42.08	3234.	1423.	580.	4.61		
ROUTED TO	C127	3592.	42.25	3207.	1423.	579.	4.61		

HYDROGRAPH AT	127	1724.	42.08	1613.	661.	267.	2.44		
2 COMBINED AT	C127	5296.	42.08	4699.	2084.	846.	7.05		
HYDROGRAPH AT	126	2020.	42.08	1790.	782.	316.	1.67		
2 COMBINED AT	C127	7316.	42.08	6488.	2866.	1162.	8.72		
ROUTED TO	C125	7311.	42.17	6486.	2866.	1162.	8.72		
HYDROGRAPH AT	125	1022.	42.08	955.	386.	155.	1.47		
2 COMBINED AT	C125	8328.	42.08	7366.	3252.	1317.	10.19		
ROUTED TO	C125	8326.	42.08	7350.	3252.	1317.	10.19	1342.63	42.08
ROUTED TO	C132	8271.	42.50	7211.	3250.	1315.	10.19		
HYDROGRAPH AT	131	413.	42.08	381.	155.	62.	0.59		
ROUTED TO	C132	413.	42.33	376.	155.	62.	0.59		
3 COMBINED AT	C132	88683.	51.08	85509.	62036.	25625.	315.25		
HYDROGRAPH AT	132	870.	42.08	795.	326.	130.	1.23		
2 COMBINED AT	C132	88775.	51.08	85613.	62220.	25756.	316.48		
HYDROGRAPH AT	133	873.	42.08	826.	343.	140.	1.20		
2 COMBINED AT	C132	88863.	51.08	85713.	62401.	25896.	317.68		
ROUTED TO	C134	88790.	51.42	85655.	62391.	25832.	317.68		
HYDROGRAPH AT	128	569.	42.08	532.	212.	85.	0.82		
ROUTED TO	C129	575.	42.33	513.	212.	85.	0.82		
HYDROGRAPH AT	129	1166.	42.08	1079.	437.	174.	1.66		
2 COMBINED AT	C129	1731.	42.08	1587.	649.	259.	2.48		
ROUTED TO	C130	1729.	42.42	1557.	649.	259.	2.48		
HYDROGRAPH AT	130	1126.	42.08	1044.	423.	169.	1.61		
2 COMBINED AT	C130	2845.	42.08	2566.	1072.	428.	4.09		
ROUTED TO	C134	2838.	42.33	2542.	1072.	427.	4.09		
2 COMBINED AT	C134	89108.	51.42	86014.	63078.	26260.	321.77		
HYDROGRAPH AT	134	538.	42.08	511.	212.	86.	0.77		
2 COMBINED AT	C134	89163.	51.42	86074.	63189.	26346.	322.54		

SUMMARY OF DAM OVERTOPPING/BREACH ANALYSIS FOR STATION C97

PLAN 1 .....

	INITIAL VALUE	SPILLWAY CREST	TOP OF DAM
ELEVATION	1335.00	1360.70	1360.70
STORAGE	0.	39849.	39849.
OUTFLOW	0.	99300.	99300.

RATIO OF PMF	MAXIMUM RESERVOIR W.S.ELEV	MAXIMUM DEPTH OVER DAM	MAXIMUM STORAGE AC-FT	MAXIMUM OUTFLOW CFS	DURATION OVER TOP HOURS	TIME OF MAX OUTFLOW HOURS	TIME OF FAILURE HOURS
1.00	1360.46	0.00	39090.	95042.	0.00	46.00	0.00

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