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WITTMANN ADMS

APPENDIX C

VOLUME II OF III

50 AND 100-YEAR

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: 04/21/1988            *
*          TIME: 17:49:58.89           *
*                                      *
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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    *
*                                      *
****************************************
```

WTMN 50YR .OUT

```
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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==========
HAESTAD METHODS
==========

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        WTMN50YR
  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        THIS IS THE 50  YEAR MODEL FOR THE STUDY AREA AND INCLUDES STORAGE
  9           ID        ROUTING AND DIVERSIONS ALONG THE A.T. & S.F. RAILROAD, THE CAP CANAL,
 10           ID        AND THE BEARDSLEY CANAL.
 11           ID
 12           ID
 13           ID
              *DIAGRAM
 14           IT      3 26JAN87    1200     640
 15           IN     15 26JAN87    1200
 16           IO      5
 17           JD   3.72    .001
 18           PC   .000    .002    .005    .009    .011    .014    .017    .020    .023    .026
 19           PC   .029    .032    .035    .038    .041    .044    .048    .052    .056    .060
 20           PC   .064    .068    .072    .076    .080    .085    .090    .095    .100    .105
 21           PC   .110    .115    .120    .126    .133    .140    .147    .155    .163    .172
 22           PC   .181    .191    .203    .218    .236    .257    .283    .387    .663    .707
 23           PC   .735    .758    .776    .791    .804    .815    .825    .834    .842    .849
 24           PC   .856    .863    .869    .875    .881    .887    .893    .898    .903    .908
 25           PC   .913    .918    .922    .926    .930    .934    .938    .942    .946    .950
 26           PC   .953    .956    .959    .962    .965    .968    .971    .974    .977    .980
 27           PC   .983    .986    .989    .992    .995    .998    1.00   1.000   1.000   1.000
 28           JD   3.68      10
 29           JD   3.53      50
 30           JD   3.47     100
 31           JD   3.37     350

 32           KK      1
 33           KM        RUNOFF FROM SUBWATERSHED 1.
 34           KM        UNIT HYDROGRAPHS HAVE BEEN COMPUTED FOR EACH SUBWATERSHED USING THE
 35           KM        CORPS OF ENGINEERS S-GRAPH COMPUTATIONS FOR UNIT HYDROGRAPHS.  THE
 36           KM        S-GRAPH PROGRAM HAS BEEN DEVELOPED FOR THE PHOENIX MOUNTAIN AND PHOENIX
 37           KM        VALLEY AREAS.  THIS SHOULD GIVE A MORE RELIABLE UNIT HYDROGRAPH FOR THE
 38           KM        HEC-1 PROGRAM TO UTILIZE WITHIN THE WITTMANN ADMS AREA.
 39           BA   .088
 40           LS      0      81       0
 41           UK    200   .0160     .11     100
 42           RK   2900   .0132     .05            TRAP       0      15

 43           KK      C1
 44           KM        STORAGE ROUTE THROUGH C1.  4-30"CMP'S AND 1-24"CMP ON GRAND AV.
 45           RS      1    STOR       0       0
 46           SV      0    1.07    2.00    3.61
 47           SQ      0      36      55     373
 48           SE  1970.5  1972.5    1973  1973.5
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  49          KK    C62L
  50          KM       ROUTE FLOW FROM C1 TO C62L.
  51          RM      1     .54      .2

  52          KK     62L
  53          KM       RUNOFF FROM SUBWATERSHED 62L.
  54          BA    .36
  55          LS      0      79       0
  56          UK    200   .0150     .12     100
  57          RK   1600   .0100     .05     .07              0      15
  58          RK   5500   .0100     .05                     15      15

  59          KK    C62L
  60          KM       ADD HYDROGRAPHS AT C62L.
  61          HC      2

  62          KK    C62I
  63          KM       ROUTE FLOW FROM C62L TO C62I.
  64          RM      1     .69      .2

  65          KK     62I
  66          KM       RUNOFF FROM SUBWATERSHED 62I.
  67          BA    .54
  68          LS      0      80       0
  69          UK    250   .0150     .12     100
  70          RK   3000   .0076     .05     .09              0      15
  71          RK   7500   .0076     .05                      0      25

  72          KK    C62I
  73          KM       ADD HYDROGRAPHS AT C62I.
  74          HC      2

  75          KK    C62H
  76          KM       ROUTE FLOW FROM C62I TO C62H.
  77          RM      1     .56      .2

  78          KK     62H
  79          KM       RUNOFF FROM SUBWATERSHED 62H.
  80          BA    .55
  81          LS      0      81       0
  82          UK    250   .0150     .12     100
  83          RK   1500   .0082     .05     .04              0      25
  84          RK   8500   .0082     .05                      0      25

  85          KK     62J
  86          KM       RUNOFF FROM SUBWATERSHED 62J.
  87          BA    .88
  88          LS      0      77       0
  89          UK    250   .0150     .07     100
  90          RK   2600   .0089     .05     .05              0      15
  91          RK  12875   .0089     .05                      0      25
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  92          KK    C62H
  93          KM       ADD HYDROGRAPHS AT C62H.
  94          HC       3

  95          KK    C62K
  96          KM       ROUTE FLOW FROM C62H TO C62K
  97          RM       1     .13      .2

  98          KK       2
  99          KM       RUNOFF FROM SUBWATERSHED 2.
 100          BA     .50
 101          LS              78
 102          UK     150   .0160     .11     100
 103          RK   10725   .0146     .05                       0      35

 104          KK      C2
 105          KM       STORAGE ROUTE THROUGH C2.  6'X4' BC ON GRAND AV.
 106          RS       1    STOR       0       0
 107          SV       0     .82    3.61
 108          SQ       0      72     468
 109          SE  1965.5    1968    1970

 110          KK    C62M
 111          KM       ROUTE FLOW FROM C2 TO C62M
 112          RM       1     .33      .2

 113          KK     62M
 114          KM       RUNOFF FROM SUBWATERSHED 62M
 115          BA     .24
 116          LS       0      71       0
 117          UK     200   .0150     .12     100
 118          RK     800   .0090     .05     .08               0      15
 119          RK    5000   .0090     .05                      10      15

 120          KK    C62M
 121          KM       ADD HYDROGRAPHS AT C62M
 122          HC       2

 123          KK    C62K
 124          KM       ROUTE FLOW FROM C62M TO C62K
 125          RM       1    1.01      .2

 126          KK       3
 127          KM       RUNOFF FROM SUBWATERSHED 3.
 128          BA     .35
 129          LS              91
 130          UK     100   .0160     .11     100
 131          RK    9250   .0132     .05           TRAP       0      25
```

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

 132        KK      C3
 133        KM        STORAGE ROUTE THROUGH C3.  50"X30" CMPA ON GRAND AV.
 134        RS       1    STOR       0       0
 135        SV       0     .19    1.36    2.17
 136        SQ       0     5.5      56     335
 137        SE  1966.5    1967    1968  1968.5

 138        KK    C62K
 139        KM        ROUTE FLOW FROM C3 TO C62K.
 140        RM       1    1.50     .2

 141        KK       4
 142        KM        RUNOFF FROM SUBWATERSHED 4.
 143        BA     .65
 144        LS             80
 145        UK     100   .0160     .11     100
 146        RK    2800   .0103     .05    .325              0      50
 147        RK   13000   .0103     .05                      0      30

 148        KK      C4
 149        KM        STORAGE ROUTE THROUGH C4.  48" CMP ON GRAND AV.
 150        RS       1    STOR       0       0
 151        SV       0     .19     .48     .95    1.69
 152        SQ       0      24      74     110     445
 153        SE    1962    1964  1965.5    1966    1967

 154        KK      C4
 155        KM        DIVERT FLOW AT C4.
 156        DT    DIV4
 157        DI       0      74     110     445
 158        DQ       0       0      36     350

 159        KK    C62K
 160        KM        ROUTE FLOW FROM C4 TO C62K.
 161        RM       1    2.06     .2

 162        KK      C4
 163        KM        RETURN DIVERTED FLOW AT C4.
 164        DR    DIV4

 165        KK      C5
 166        KM        ROUTE DIVERTED FLOW FROM C4 TO C5.
 167        RM       1     .21     .2

 168        KK       5
 169        KM        RUNOFF FROM SUBWATERSHED 5.
 170        BA     .35
 171        LS             78
 172        UK     100   .0160     .11     100
 173        RK    7625   .0126     .05                     25       8
```

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

 174        KK      C5
 175        KM        ADD HYDROGRAPHS AT C5.
 176        HC       2

 177        KK      C5
 178        KM        STORAGE ROUTE THROUGH C5.  48" CMP AND 4'X4' BC ON R.R.
 179        RS       1    STOR       0       0
 180        SV       0     .25    1.01    2.91    6.52    8.88    11.5
 181        SQ       0      34      92     148     168     267     533
 182        SE    1940    1942    1944    1946    1947    1948    1949

 183        KK      C5
 184        KM        DIVERT FLOW AT C5.
 185        DT    DIV5
 186        DI       0     168     267     533
 187        DQ       0       0      75     333

 188        KK    C62K
 189        KM        ROUTE FLOW FROM C5 TO C62K.
 190        RM       1    1.45      .2

 191        KK    C62K
 192        KM        ADD HYDROGRAPHS AT C62K.
 193        HC       5

 194        KK      C5
 195        KM        RETURN DIVERTED FLOW AT C5.
 196        DR    DIV5

 197        KK      C6
 198        KM        ROUTE DIVERTED FLOW FROM C5 TO C6.
 199        RM       1     .16      .2

 200        KK       6
 201        KM        RUNOFF FROM SUBWATERSHED 6.
 202        BA     .03
 203        LS              81
 204        UK     100   .0160     .10     100
 205        RK    1400   .0107     .05                       0      20

 206        KK      C6
 207        KM        ADD HYDROGRAPHS AT C6.
 208        HC       2

 209        KK      C6
 210        KM        STORAGE ROUTE THROUGH C6.  36" CMP ON R.R.
 211        RS       1    STOR       0       0
 212        SV       0     .06     .47    1.20    2.32
 213        SQ       0       4      12      95     392
 214        SE  1945.5    1946    1947    1948    1949
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 215        KK      C6
 216        KM        DIVERT FLOW AT C6.
 217        DT    DIV6
 218        DI       0      12      95     392
 219        DQ       0       0      68     350

 220        KK    C62K
 221        KM        ROUTE FLOW FROM C6 TO C62K.
 222        RM       1    2.29      .2

 223        KK      C6
 224        KM        RETURN DIVERTED FLOW AT C6.
 225        DR    DIV6

 226        KK      C7
 227        KM        ROUTE DIVERTED FLOW AT C6 TO C7.
 228        RM       1     .08      .2

 229        KK       7
 230        KM        RUNOFF FROM SUBWATERSHED 7.
 231        BA     .04
 232        LS             81
 233        UK     150   .0160     .10     100
 234        RK    3125   .0138     .05                       0      25

 235        KK      C7
 236        KM        ADD HYDROGRAPHS AT C7.
 237        HC       2

 238        KK      C7
 239        KM        STORAGE ROUTE THROUGH C7.  48" ORCP ON R.R.
 240        RS       1    STOR       0       0
 241        SV       0     .63    3.73    6.87   10.75
 242        SQ       0      23      70      90     250
 243        SE    1940    1942    1944    1945    1946

 244        KK      C7
 245        KM        DIVERT FLOW AT C7.
 246        DT    DIV7
 247        DI       0      90     250
 248        DQ       0       0     135

 249        KK    C62K
 250        KM        ROUTE FLOW FROM C7 TO C62K.
 251        RM       1    1.72      .2

 252        KK     62K
 253        KM        RUNOFF FROM SUBWATERSHED 62K
 254        BA    1.40
 255        LS       0      76       0
 256        UK     400   .0150     .11     100
 257        RK    3600   .0093     .05     .23              0      25
 258        RK   17125   .0093     .05                     20      25
```

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

 259        KK    C62K
 260        KM       ADD HYDROGRAPHS AT C62K
 261        HC       4

 262        KK    C62G
 263        KM       ROUTE FLOW FROM C62K TO C62G
 264        RM       1     .45      .2

 265        KK      C7
 266        KM       RETURN DIVERTED FLOW AT C7.
 267        DR    DIV7

 268        KK      C8
 269        KM       ROUTE DIVERTED FLOW AT C7 TO C8.
 270        RM       1     .06      .2

 271        KK       8
 272        KM       RUNOFF FROM SUBWATERSHED 8
 273        BA     .01
 274        LS       0      81       0
 275        UK     100   .0160     .10     100
 276        RK    1000   .0100     .05                        0      30

 277        KK      C8
 278        KM       ADD HYDROGRAPHS AT C8.
 279        HC       2

 280        KK      C8
 281        KM       STORAGE ROUTE THROUGH C8.  36" RCP ON R.R.
 282        RS       1    STOR       0       0
 283        SV       0     .15     .42     .84
 284        SQ       0      11      20      71
 285        SE  1938.5    1940    1941    1942

 286        KK      C8
 287        KM       DIVERT FLOW AT C8.
 288        DT    DIV8
 289        DI       0      20      71
 290        DQ       0       0      29

 291        KK    C62G
 292        KM       ROUTE FLOW FROM C8 TO C62G
 293        RM       1    3.78      .2

 294        KK      C8
 295        KM       RETURN DIVERTED FLOW AT C8.
 296        DR    DIV8

 297        KK      C9
 298        KM       ROUTE DIVERTED FLOW AT C8 TO C9.
 299        RM       1     .13      .2
```

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

 300          KK      9
 301          KM        RUNOFF FROM SUBWATERSHED 9
 302          BA    .09
 303          LS      0      81       0
 304          UK    150   .0160     .10     100
 305          RK   4750   .0114     .05                       0      25

 306          KK      C9
 307          KM        ADD HYDROGRAPHS AT C9.
 308          HC      2

 309          KK      C9
 310          KM        STORAGE ROUTE THROUGH C9.  2'X4' BC ON R.R.
 311          RS      1    STOR       0       0
 312          SV      0     .24     .85
 313          SQ      0      12     122
 314          SE   1932    1933    1934

 315          KK      C9
 316          KM        DIVERT FLOW AT C9.
 317          DT   DIV9
 318          DI      0      12     122
 319          DQ      0       0      90

 320          KK   C62G
 321          KM        ROUTE FLOW FROM C9 TO C62G
 322          RM      1    3.11      .2

 323          KK    62G
 324          KM        RUNOFF FROM SUBWATERSHED 62G
 325          BA   1.86
 326          LS      0      78       0
 327          UK    300   .0150     .12     100
 328          RK   3500   .0105     .05     .27              0      25
 329          RK  18250   .0105     .05                     10      25

 330          KK   C62G
 331          KM        ADD HYDROGRAPHS AT C62G
 332          HC      4

 333          KK   C62E
 334          KM        ROUTE FLOW FROM C62G TO C62E
 335          RM      1     .33      .2

 336          KK    62E
 337          KM        RUNOFF FROM SUBWATERSHED 62E
 338          BA    .68
 339          LS      0      78       0
 340          UK    400    .015     .13     100
 341          RK   3000   .0101     .05     .23    TRAP             20
 342          RK  13625   .0101     .05            TRAP     10      15
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 343        KK    C62E
 344        KM       ADD HYDROGRAPHS AT C62E
 345        HC       2

 346        KK     10A
 347        KM       RUNOFF FROM SUBWATERSHED 10A.
 348        BA    4.94
 349        LS       0      83       0
 350        UI       0     160     400     819    1346    1859    1920    2040    1795    1415
 351        UI    1167     931     837     663     560     464     434     408     334     259
 352        UI     246     157     125     120     106      68      66      63      61      59
 353        UI      46      30      29      29      28      24       0       0       0       0

 354        KK     C10
 355        KM       ROUTE FLOW FROM C10A TO C10.
 356        RM       1    1.36      .2

 357        KK      C9
 358        KM       RETURN DIVERTED FLOW AT C9.
 359        DR    DIV9

 360        KK     C10
 361        KM       ROUTE DIVERTED FLOW AT C9 TO C10.
 362        RM       1     .13      .2

 363        KK      10
 364        KM       RUNOFF FROM SUBWATERSHED 10.
 365        BA    3.93
 366        LS              79
 367        UK     300    .025     .10     100
 368        RK    5500   .0123     .05     .26    TRAP             12
 369        RK   31875   .0123     .05            TRAP     40      12

 370        KK     C10
 371        KM       ADD HYDROGRAPHS AT C10.
 372        HC       3

 373        KK     C10
 374        KM       STORAGE ROUTE THROUGH C1.  IONA WASH HAS A 168' BRIDGE ON THE R.R.
 375        KM       ASSUMED 12-14'X7' BC'S
 376        RS       1    STOR       0       0
 377        SV       0     .76     2.0    4.34    8.08   13.24   19.74
 378        SQ       0    1568    3192    7392   10416   13440   14784
 379        SE    1920    1922    1924    1926    1928    1930    1931

 380        KK    C62E
 381        KM       ROUTE FLOW FROM C10 TO C62E.
 382        RM       1    1.28      .2
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 383        KK     11
 384        KM       RUNOFF FROM SUBWATERSHED 11
 385        BA    .20
 386        LS      0      81       0
 387        UK    200   .0190     .10     100
 388        RK   1300   .0155     .05     .10    TRAP             15
 389        RK   7750   .0155     .05            TRAP     15      10

 390        KK     12
 391        KM       RUNOFF FROM SUBWATERSHED 12
 392        BA   .002
 393        LS      0      81       0
 394        UK    100   .0118     .10     100
 395        RK    850   .0118     .05    .002    TRAP             20

 396        KK    C11
 397        KM       ADD HYDROGRAPHS AT C11.
 398        HC      2

 399        KK    C11
 400        KM       STORAGE ROUTE THROUGH C11.  2'X1.5' BC AND 34"X36" CPA.
 401        RS      1    STOR       0       0
 402        SV      0     .57    4.63   16.79
 403        SQ      0      35      75     115
 404        SE   1913    1916    1920    1924

 405        KK   C62E
 406        KM       ROUTE FLOW FROM C11 TO C62E
 407        RM      1    2.88      .2

 408        KK     13
 409        KM       RUNOFF FROM SUBWATERSHED 13
 410        BA    .10
 411        LS      0      81       0
 412        UK    150   .0250     .11     100
 413        RK   2200   .0162     .05     .05    TRAP      0      30
 414        RK   5250   .0162     .05            TRAP     15      10

 415        KK    C13
 416        KM       STORAGE ROUTE THROUGH C13.  2-42" RCP ON R.R.
 417        RS      1    STOR       0       0
 418        SV      0     .19    2.33    6.89    11.2
 419        SQ      0      24     164     250     280
 420        SE 1906.5    1908    1912    1916    1918

 421        KK   C62E
 422        KM       ROUTE FLOW FROM C13 TO C62E
 423        RM      1    2.70      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 424          KK    C62E
 425          KM        ADD HYDROGRAPHS AT C62E.
 426          HC       4

 427          KK      14
 428          KM        RUNOFF FROM SUBWATERSHED 14
 429          BA     .01
 430          LS       0      81       0
 431          UK     100   .0106     .10     100
 432          RK     850   .0106     .05     .01    TRAP             30

 433          KK    C62E
 434          KM        ROUTE FLOW FROM C14 TO C62E
 435          RM       1    3.93      .2

 436          KK      15
 437          KM        RUNOFF FROM SUBWATERSHED 15
 438          BA     .57
 439          LS       0      81       0
 440          UK     200   .0200     .10     100
 441          RK    3500   .0159     .05     .11    TRAP             25
 442          RK   13875   .0159     .05            TRAP      25      5

 443          KK     C15
 444          KM        STORAGE ROUTE THROUGH C15.  4'X4' CPA AND 2'X1.5' BC ON R.R.
 445          RS       1    STOR       0       0
 446          SV       0    2.78    9.36   17.15   18.85
 447          SQ       0      92     188     295     500
 448          SE    1898    1902    1906    1909  1909.5

 449          KK     C15
 450          KM        DIVERT FLOW AT C15.
 451          DT   DIV15
 452          DI       0     188     295     500
 453          DQ       0       0      55     250

 454          KK    C62E
 455          KM        ROUTE FLOW FROM C15 TO C62E
 456          RM       1    2.00      .2

 457          KK      16
 458          KM        RUNOFF FROM SUBWATERSHED 16
 459          BA     .62
 460          LS       0      81       0
 461          UK     200    .025     .10     100
 462          RK    2600   .0166     .05     .09    TRAP             20
 463          RK   13500   .0166     .05            TRAP      25     10

 464          KK     C15
 465          KM        RETURN DIVERT AT C15.
 466          DR   DIV15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 467          KK     C16
 468          KM        ROUTE DIVERTED FLOW AT C15 TO C16.
 469          RM       1     .10      .2

 470          KK     C16
 471          KM        ADD HYDROGRAPHS AT C16.
 472          HC       2

 473          KK     C16
 474          KM        STORAGE ROUTE THROUGH C16.  24" RCP AND  36"X42" CPA ON R.R.
 475          RS       1    STOR       0       0
 476          SV       0     .56    3.22    8.05    9.51   11.06   14.36
 477          SQ       0      42      82      90     125     225     720
 478          SE  1892.5    1896    1900  1902.5    1903  1903.5  1904.5

 479          KK     C16
 480          KM        DIVERT FLOW AT C16
 481          DT   DIV16
 482          DI       0      90     125     225     720
 483          DQ       0       0      25     115     600

 484          KK    C62E
 485          KM        ROUTE FLOW FROM C16 TO C62E
 486          RM       1    2.29      .2

 487          KK      17
 488          KM        RUNOFF FROM SUBWATERSHED 17
 489          BA     .05
 490          LS       0      81       0
 491          UK     200   .0250     .10     100
 492          RK    2500   .0180     .05     .05    TRAP              20

 493          KK     C16
 494          KM        RETURN DIVERTED FLOW AT C16.
 495          DR   DIV16

 496          KK     C17
 497          KM        ROUTE DIVERTED FLOW AT C16 TO C17.
 498          RM       1     .04      .2

 499          KK     C17
 500          KM        ADD HYDROGRAPHS AT C17.
 501          HC       2

 502          KK     C17
 503          KM        STORAGE ROUTE THROUGH C17.  42" ORCP ON R.R.
 504          RS       1    STOR       0       0
 505          SV       0     .28     1.7    2.26    2.92    4.30
 506          SQ       0      42      85     104     166     480
 507          SE    1895    1898  1900.5    1901  1901.5  1902.5
```

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

 508        KK     C17
 509        KM        DIVERT FLOW AT C17.
 510        DT   DIV17
 511        DI      0      85     104     166     480
 512        DQ      0       0      14      68     375

 513        KK    C62E
 514        KM        ROUTE FLOW FROM C17 TO C62E
 515        RM      1    2.34      .2

 516        KK    C62E
 517        KM        ADD HYDROGRAPHS AT C62E.
 518        HC      5

 519        KK     18
 520        KM        RUNOFF FROM SUBWATERSHED 18
 521        BA    .04
 522        LS      0      81       0
 523        UK    200   .0250     .10     100
 524        RK   2100   .0143     .05     .04    TRAP             15

 525        KK     C17
 526        KM        RETURN DIVERT AT C17.
 527        DR   DIV17

 528        KK     C18
 529        KM        ROUTE DIVERTED FLOW AT C17 TO C18.
 530        RM      1     .08      .2

 531        KK     C18
 532        KM        ADD HYDROGRAPHS AT C18.
 533        HC      2

 534        KK     C18
 535        KM        STORAGE ROUTE THROUGH C18.  2'X1.5' BC, 24" RCP, AND 36" RCP ON R.R.
 536        RS      1    STOR       0       0
 537        SV      0    1.14    2.31    5.99    7.27
 538        SQ      0      19      87     140     347
 539        SE  1888.5  1890.5  1891.5  1894.5  1895.5

 540        KK     C18
 541        KM        DIVERT FLOW AT C18.
 542        DT   DIV18
 543        DI      0      19      87     140     347
 544        DQ      0       0      52      70     267

 545        KK    C62E
 546        KM        ROUTE FLOW FROM C18 TO C62E
 547        RM      1    2.71      .2
```

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

548         KK      19
549         KM        RUNOFF FROM SUBWATERSHED 19.
550         BA     .14
551         LS       0      81       0
552         UK     200   .0250     .10     100
553         RK    2500   .0144     .05     .07    TRAP             15
554         RK    7625   .0144     .05            TRAP             15

555         KK     C18
556         KM        RETURN DIVERT AT C18.
557         DR   DIV18

558         KK     C19
559         KM        ROUTE DIVERTED FLOW AT C18 TO C19.
560         RM       1    .024      .2

561         KK     C19
562         KM        ADD HYDROGRAPHS AT C19.
563         HC       2

564         KK     C19
565         KM        STORAGE ROUTE THROUGH C19.  36" RCP ON R.R.
566         RS       1    STOR       0       0
567         SV       0     .10     .57    1.67    8.22    9.31   10.42
568         SQ       0      11      42      65     100     226     410
569         SE  1884.5    1886    1888    1890  1894.5    1895  1895.5

570         KK     C19
571         KM        DIVERT FLOW AT C19.
572         DT   DIV19
573         DI       0     100     226     410
574         DQ       0       0     106     300

575         KK    C62E
576         KM        ROUTE FLOW FROM C19 TO C62E
577         RM       1    2.31      .2

578         KK      20
579         KM        RUNOFF FROM SUBWATERSHED 20
580         BA     .70
581         LS       0      90       0
582         UK     200   .0200     .10     100
583         RK    3500   .0159     .05     .10    TRAP             15
584         RK   16375   .0159     .05            TRAP     30      10

585         KK     C19
586         KM        RETURN DIVERT AT C19.
587         DR   DIV19
```

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

 588          KK     C20
 589          KM        ROUTE DIVERTED FLOW AT C19 TO C20.
 590          RM       1    .021      .2

 591          KK     C20
 592          KM        ADD HYDROGRAPHS AT C20.
 593          HC       2

 594          KK     C20
 595          KM        STORAGE ROUTE THROUGH C20.  2-3'X3' BC'S.
 596          RS       1    STOR       0       0
 597          SV       0     .16    1.20    1.60    2.10    3.25    3.86
 598          SQ       0      72     156     182     234     550     760
 599          SE  1883.5    1886  1888.5    1889  1889.5    1891  1891.5

 600          KK     C20
 601          KM        DIVERT FLOW AT C20.
 602          DT   DIV20
 603          DI       0     156     182     234     550     760
 604          DQ       0       0       8      36     340     540

 605          KK    C62E
 606          KM        ROUTE FLOW FROM C20 TO C62E
 607          RM       1    1.81      .2

 608          KK      21
 609          KM        RUNOFF FROM SUBWATERSHED 21
 610          BA     .02
 611          LS       0      72       0
 612          UK     100   .0142     .11     100
 613          RK    1550   .0142     .05     .02    TRAP             30

 614          KK     C20
 615          KM        RETURN DIVERTED FLOW AT C20.
 616          DR   DIV20

 617          KK     C21
 618          KM        ROUTE DIVERTED FLOW AT C20 TO C21.
 619          RM       1     .06      .2

 620          KK     C21
 621          KM        ADD HYDROGRAPHS AT C21.
 622          HC       2

 623          KK     C21
 624          KM        STORAGE ROUTE THROUGH C21.  2'X1.5' BC ON R.R.
 625          RS       1    STOR       0       0
 626          SV       0     .06     .38     .94    1.26
 627          SQ       0       6      75     345     588
 628          SE  1886.5  1887.5  1888.5  1889.5    1890
```

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

 629        KK     C21
 630        KM        DIVERT FLOW AT C21.
 631        DT   DIV21
 632        DI       0       6      75     345     588
 633        DQ       0       0      59     323     564

 634        KK    C62E
 635        KM        ROUTE FLOW FROM C21 TO C62E
 636        RM       1    3.36      .2

 637        KK    C62E
 638        KM        ADD HYDROGRAPHS AT C62E.
 639        HC       5

 640        KK     62F
 641        KM        RUNOFF FROM SUBWATERSHED 62F.
 642        BA    2.18
 643        LS             77
 644        UK     400    .015     .12     100
 645        RK    5500   .0095     .05    .545    TRAP            15
 646        RK   22000   .0095     .05            TRAP     50     15

 647        KK    C62E
 648        KM        ADD HYDROGRAPHS AT C62E.
 649        HC       2

 650        KK    C62D
 651        KM        ROUTE FLOW FROM C62E TO C62D
 652        RM       1     .12      .2

 653        KK     62D
 654        KM        RUNOFF FROM SUBWATERSHED 62D
 655        BA    1.66
 656        LS       0      81       0
 657        UK     350   .0110     .13     100
 658        RK    2600    .007     .05     .06    TRAP            20
 659        RK   19750    .007     .05            TRAP     20     15

 660        KK    C62D
 661        KM        ADD HYDROGRAPHS AT C62D
 662        HC       2

 663        KK    C62B
 664        KM        ROUTE FLOW FROM C62D TO C62B
 665        RM       1     .29      .2

 666        KK     62B
 667        KM        RUNOFF FROM SUBWATERSHED 62B
 668        BA    0.49
 669        LS       0      74       0
 670        UK     200    .011     .12     100
 671        RK    1500   .0072     .05    .245    TRAP            25
 672        RK    9750   .0072     .05            TRAP     35     30
```

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

 673          KK     62C
 674          KM        RUNOFF FROM SUBWATERSHED 62C
 675          BA    0.40
 676          LS       0      81       0
 677          UK     200    .012     .12     100
 678          RK    1200   .0076     .05     .20    TRAP             20
 679          RK    9250   .0076     .05            TRAP     20      15

 680          KK    C62B
 681          KM        ADD HYDROGRAPHS AT C62B
 682          HC       3

 683          KK     C62
 684          KM        ROUTE FLOW FROM C62B TO C62
 685          RM       1    1.30      .2

 686          KK     62A
 687          KM        RUNOFF FROM SUBWATERSHED 62A
 688          BA    1.58
 689          LS       0      81       0
 690          UK     300    .011     .11     100
 691          RK    2000   .0069     .05    .395    TRAP             30
 692          RK   18000   .0069     .05            TRAP     35      25

 693          KK     C62
 694          KM        ROUTE FLOW FROM C62A TO C62
 695          RM       1    2.15      .2

 696          KK      62
 697          KM        RUNOFF FROM SUBWATERSHED 62
 698          BA    5.09
 699          LS       0      76       0
 700          UK     600   .0065     .11     100
 701          RK    4200   .0045     .05     .73    TRAP             45
 702          RK   22000   .0045     .05            TRAP     35      40

 703          KK     C62
 704          KM        ADD HYDROGRAPHS AT C62
 705          HC       3

 706          KK     C62
 707          KM        STORAGE ROUTE THROUGH C62.  47.3' WIDE OVERCHUTE ON CAP WEST OF GRAND.
 708          RS       1    STOR       0       0
 709          SV       0   16.23  133.39  466.23  594.29  733.69
 710          SQ       0       0     662    2460    8081   34672
 711          SE    1542  1545.2    1548    1552    1553    1554

 712          KK    C83T
 713          KM        ROUTE FLOW AT C62 TO C83T.
 714          RM       1    1.25      .2
```

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

 715          KK     83T
 716          KM        RUNOFF FROM SUBWATERSHED 83T
 717          BA    1.29
 718          LS       0      75       0
 719          UK     300    .008     .12     100
 720          RK    2700   .0053     .06     .22    TRAP       0      35
 721          RK   21000   .0053     .05            TRAP      20      30

 722          KK    C83T
 723          KM        ADD HYDROGRAPHS AT C83T.
 724          HC       2

 725          KK     C21
 726          KM        RETURN DIVERT AT C21.
 727          DR   DIV21

 728          KK     C22
 729          KM        ROUTE DIVERTED FLOW FROM C21 TO C22.
 730          RM       1     .12      .2

 731          KK      22
 732          KM        RUNOFF FROM SUBWATERSHED 22.
 733          BA     .26
 734          LS              72
 735          UK     400    .020     .10     100
 736          RK    7200   .0132     .05     .26    TRAP              15

 737          KK     C22
 738          KM        ADD HYDROGRAPHS AT C22.
 739          HC       2

 740          KK     C22
 741          KM        STORAGE ROUTE THROUGH C22.  2'X1' BC AND 36"X42" CPA ON R.R.
 742          RS       1    STOR       0       0
 743          SV       0     .10     .74    2.33    2.89    3.48    4.09
 744          SQ       0      11      42      70     135     280     500
 745          SE  1872.5    1874    1876    1878  1878.5    1879  1879.5

 746          KK     C22
 747          KM        DIVERT FLOW AT C22.
 748          DT   DIV22
 749          DI       0      70     135     280     500
 750          DQ       0       0      60     200     415

 751          KK    C63B
 752          KM        ROUTE FLOW FROM C22 TO C63B.
 753          RM       1    1.64      .2

 754          KK     C22
 755          KM        RETURN DIVERTED FLOW AT C22.
 756          DR   DIV22
```

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

 757          KK     C23
 758          KM        ROUTE DIVERTED FLOW AT C22 TO C23.
 759          RM       1    .033      .2

 760          KK      23
 761          KM        RUNOFF FROM  SUBWATERSHED 23.
 762          BA    .006
 763          LS              72
 764          UK     100   .0143     .10     100
 765          RK     700   .0143     .05    .006    TRAP       0      30

 766          KK     C23
 767          KM        ADD HYDROGRAPHS AT C23.
 768          HC       2

 769          KK     C23
 770          KM        STORAGE ROUTE THROUGH C23.  2-10'X4' BC ON R.R.
 771          RS       1    STOR       0       0
 772          SV       0     .14     .51     .88
 773          SQ       0     110     460     707
 774          SE  1870.5    1872  1874.5  1875.5

 775          KK     C23
 776          KM        DIVERT FLOW AT C23.
 777          DT   DIV23
 778          DI       0     460     707
 779          DQ       0       0      87

 780          KK    C63B
 781          KM        ROUTE FLOW FROM C23 TO C63B.
 782          RM       1    1.21      .2

 783          KK     C23
 784          KM        RETURN DIVERT AT C23.
 785          DR   DIV23

 786          KK     C24
 787          KM        ROUTE DIVERTED FLOW AT C23 TO C24.
 788          RM       1     .11      .2

 789          KK      24
 790          KM        RUNOFF FROM SUBWATERSHED 24.
 791          BA    .006
 792          LS              72
 793          UK      50   .0118     .10     100
 794          RK     850   .0118     .05    .004    TRAP              30

 795          KK     C24
 796          KM        ADD HYDROGRAPHS AT C24.
 797          HC       2
```

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

 798        KK     C24
 799        KM        STORAGE ROUTE THROUGH C24.  24" ORCP ON R.R.
 800        RS       1    STOR       0       0
 801        SV       0     .67     .94    1.24
 802        SQ       0      17      44     150
 803        SE  1870.5    1873  1873.5    1874

 804        KK     C24
 805        KM        DIVERT FLOW  AT C24.
 806        DT   DIV24
 807        DI       0      17      44     150
 808        DQ       0       0      23     126

 809        KK    C63B
 810        KM        ROUTE FLOW FROM C24 TO C63B.
 811        RM       1    1.65      .2

 812        KK     C24
 813        KM          RETURN DIVERT AT C24.
 814        DR   DIV24

 815        KK     C25
 816        KM        ROUTE DIVERTED FLOW AT C24 TO C25.
 817        RM       1     .11      .2

 818        KK      25
 819        KM        RUNOFF FROM SUBWATERSHED 25.
 820        BA     .05
 821        LS              72
 822        UK     150   .0200     .10     100
 823        RK    2450   .0143     .05     .05    TRAP            40

 824        KK     C25
 825        KM        ADD HYDROGRAPHS AT C25.
 826        HC       2

 827        KK     C25
 828        KM        STORAGE ROUTE THROUGH C25.  48" ORCP ON R.R.
 829        RS       1    STOR       0       0
 830        SV       0     .38     .58      .8    1.04
 831        SQ       0      23      52      99     171
 832        SE  1860.5  1862.5    1863  1863.5    1864

 833        KK     C25
 834        KM        DIVERT FLOW AT C25.
 835        DT   DIV25
 836        DI       0      23      52      99     171
 837        DQ       0       0      15      52     113
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 838        KK    C63B
 839        KM       ROUTE FLOW FROM C25 TO C63B.
 840        RM      1    1.97      .2

 841        KK    C63B
 842        KM       ADD HYDROGRAPHS AT C63B.
 843        HC      4

 844        KK     26B
 845        KM       RUNOFF FROM SUBWATERSHED 26B.
 846        BA   12.72
 847        LS             86
 848        UI      0    338    778   1523   2576   3691   4131   4635   4635   4085
 849        UI   3258   2817   2330   2215   1580   1471   1204   1050    990    937
 850        UI    858    602    574    536    295    283    272    259    157    151
 851        UI    146    141    137    163     71     69     67     65     64     62
 852        UI     33      0      0      0      0      0      0      0      0      0

 853        KK    C26A
 854        KM       ROUTE FLOW FROM C26B TO C26A.
 855        RM      1    .46      .2

 856        KK     26A
 857        KM       RUNOFF FROM SUBWATERSHED 26A.
 858        BA   2.26
 859        LS             79
 860        UI      0    110    333    715   1044   1207   1152    847    664    559
 861        UI    399    325    268    246    200    151    121     75     70     52
 862        UI     39     37     36     32     18     17     17     16      0      0

 863        KK    C26A
 864        KM       ADD HYDROGRAPHS AT C26A.
 865        HC      2

 866        KK     C26
 867        KM       ROUTE FLOW FROM C26A TO C26.
 868        RM      1    .67      .2

 869        KK     C25
 870        KM       RETURN DIVERTED FLOW AT C25.
 871        DR   DIV25

 872        KK     C26
 873        KM       ROUTE DIVERTED FLOW AT C25 TO C26.
 874        RM      1    .09      .2

 875        KK      26
 876        KM       RUNOFF FROM SUBWATERSHED 26.
 877        BA   1.12
 878        LS             74
 879        UK    200  .0180     .10    100
 880        RK   5500  .0135     .05    .22   TRAP            20
 881        RK  19100  .0135     .05          TRAP     60     15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 882          KK     C26
 883          KM        ADD HYDROGRAPHS AT C26.
 884          HC       3

 885          KK     C26
 886          KM        STORAGE ROUTE THROUGH C26.  TRIBLY WASH, 237' 17-SPAN 237' BRIDGE.
 887          KM        ASSUME 24-10'X4' BC'S.
 888          RS       1    STOR       0       0
 889          SV       0     .51    1.65    2.63
 890          SQ       0    2040    5520    7200
 891          SE    1854    1856    1858    1859

 892          KK    C63B
 893          KM        ROUTE FLOW FROM C26 TO C63B.
 894          RM       1     .53      .2

 895          KK      27
 896          KM        RUNOFF FROM SUBWATERSHED 27.
 897          BA     .06
 898          LS              72
 899          UK     200    .020     .10     100
 900          RK    2700   .0130     .05     .06    TRAP              30

 901          KK     C27
 902          KM        STORAGE ROUTE THROUGH C27.  3'X2.5' BC AND 36" ORCP ON R.R.
 903          RS       1    STOR       0       0
 904          SV       0     .14     .40     .58
 905          SQ       0      11      24      91
 906          SE  1846.5    1848    1849  1849.5

 907          KK     C27
 908          KM        DIVERT FLOW AT C27.
 909          DT   DIV27
 910          DI       0      24      91
 911          DQ       0       0      56

 912          KK    C63B
 913          KM        ROUTE FLOW FROM C27 TO C63B.
 914          RM       1    1.70      .2

 915          KK     63B
 916          KM        RUNOFF FROM SUBWATERSHED 63B.
 917          BA    1.44
 918          LS              81
 919          UK     250    .015     .12     100
 920          RK    2100   .0111     .05     .20    TRAP              15
 921          RK   14500   .0111     .05            TRAP      25      20

 922          KK    C63B
 923          KM        ADD HYDROGRAPHS AT C63B.
 924          HC       4
```

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

 925          KK    C63C
 926          KM       ROUTE FLOW FROM C63B TO C63C.
 927          RM      1     .32      .2

 928          KK     C27
 929          KM       RETURN DIVERTED FLOW AT C27.
 930          DR   DIV27

 931          KK     C28
 932          KM       ROUTE DIVERTED FLOW AT C27 TO C28.
 933          RM      1     .25      .2

 934          KK      28
 935          KM       RUNOFF FROM SUBWATERSHED 28.
 936          BA     .24
 937          LS             75
 938          UK     200    .020     .10     100
 939          RK    2000   .0147     .05     .08    TRAP              25
 940          RK    7500   .0147     .05            TRAP      10       8

 941          KK     C28
 942          KM       ADD HYDROGRAPHS AT C28.
 943          HC      2

 944          KK     C28
 945          KM       STORAGE ROUTE THROUGH C28.  36"X42" ORCP ON R.R.
 946          RS      1    STOR       0       0
 947          SV      0     .10     .55    1.18    2.14    3.46
 948          SQ      0      11      43      60     172     453
 949          SE  1820.5    1822    1824    1825    1826    1827

 950          KK     C28
 951          KM       DIVERT FLOW AT C28.
 952          DT   DIV28
 953          DI      0      60     172     453
 954          DQ      0       0     102     373

 955          KK    C63C
 956          KM       ROUTE FLOW FROM C28 TO C63C.
 957          RM      1    4.04      .2

 958          KK     C28
 959          KM       RETURN DIVERTED FLOW AT C28.
 960          DR   DIV28

 961          KK     C29
 962          KM       ROUTE DIVERTED FLOW AT C28 TO C29.
 963          RM      1    .044      .2
```

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

 964          KK      29
 965          KM        RUNOFF FROM SUBWATERSHED 29.
 966          BA     .01
 967          LS              81
 968          UK     100   .0300     .10     100
 969          RK    1150   .0174     .05     .01    TRAP             40

 970          KK     C29
 971          KM        ADD HYDROGRAPHS AT C29.
 972          HC       2

 973          KK     C29
 974          KM        STORAGE ROUTE THROUGH C29.  36" ORCP ON R.R.
 975          RS       1    STOR       0       0
 976          SV       0     .38     .95    1.62
 977          SQ       0      11      24     225
 978          SE  1820.5    1822    1823    1824

 979          KK     C29
 980          KM        DIVERT FLOW AT C29.
 981          DT   DIV29
 982          DI       0      24     225
 983          DQ       0       0     183

 984          KK    C63C
 985          KM        ROUTE FLOW FROM C29 TO C63C.
 986          RM       1    4.69      .2

 987          KK     C29
 988          KM        RETURN DIVERT AT C29.
 989          DR   DIV29

 990          KK     C30
 991          KM        ROUTE DIVERTED FLOW AT C29 TO C30.
 992          RM       1    .029      .2

 993          KK      30
 994          KM        RUNOFF FROM SUBWATERSHED 30.
 995          BA     .01
 996          LS              81
 997          UK     100   .0300     .10     100
 998          RK    1100   .0182     .05     .01    TRAP             15

 999          KK     C30
1000          KM        ADD HYDROGRAPHS AT C30.
1001          HC       2

1002          KK     C30
1003          KM        STORAGE ROUTE THROUGH C30.  48" ORCP ON R.R.
1004          RS       1    STOR       0       0
1005          SV       0     .51    1.78    2.51
1006          SQ       0      45     100     285
1007          SE    1823    1826  1828.5  1829.5
```

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

1008          KK     C30
1009          KM        DIVERT FLOW AT C30.
1010          DT   DIV30
1011          DI       0     100     285
1012          DQ       0       0     160

1013          KK    C63C
1014          KM        ROUTE FLOW FROM C30 TO C63C.
1015          RM       1    3.88      .2

1016          KK     C30
1017          KM        RETURN DIVERTED FLOW AT C30.
1018          DR   DIV30

1019          KK     C31
1020          KM        ROUTE DIVERTED FLOW AT C30 TO C31.
1021          RM       1    .053      .2

1022          KK      31
1023          KM        RUNOFF FROM SUBWATERSHED 31.
1024          BA     .63
1025          LS              77
1026          UK     200   .0300     .10     100
1027          RK    3000  . 0143     .05     .16    TRAP             10
1028          RK   17500   .0143     .05            TRAP      15     12

1029          KK     C31
1030          KM        ADD HYDROGRAPHS AT C31.
1031          HC       2

1032          KK     C31
1033          KM        STORAGE ROUTE THROUGH C31.  2-3'X4' BC ON R.R.
1034          RS       1    STOR       0       0
1035          SV       0     .24    1.45    6.53    9.87
1036          SQ       0      33     114     222     467
1037          SE  1804.5    1806    1808  1810.5  1811.5

1038          KK     C31
1039          KM        DIVERT FLOW AT C31.
1040          DT   DIV31
1041          DI       0     222     467
1042          DQ       0       0     215

1043          KK    C63C
1044          KM        ROUTE FLOW FROM C31 TO C63C.
1045          RM       1    2.74      .2

1046          KK    C63C
1047          KM        ADD HYDROGRAPHS AT C63C.
1048          HC       5
```

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

1049          KK     C31
1050          KM        RETURN DIVERT AT C31.
1051          DR   DIV31

1052          KK     C32
1053          KM        ROUTE DIVERTED FLOW AT C31 TO C32.
1054          RM      1    .103      .2

1055          KK      32
1056          KM        RUNOFF FROM SUBWATERSHED 32.
1057          BA    .05
1058          LS              81
1059          UK    200   .0200     .10     100
1060          RK   3000   .0133     .05     .05    TRAP             35

1061          KK     C32
1062          KM        ADD HYDROGRAPHS AT C32.
1063          HC      2

1064          KK     C32
1065          KM        STORAGE ROUTE THROUGH C32.  42" ORCP ON R.R.
1066          RS      1    STOR       0       0
1067          SV      0     .38     .89    1.65
1068          SQ      0      21      40     110
1069          SE   1798    1800    1801    1802

1070          KK     C32
1071          KM        DIVERT FLOW AT C32.
1072          DT   DIV32
1073          DI      0      40     110
1074          DQ      0       0      50

1075          KK    C63C
1076          KM        ROUTE FLOW FROM C32 TO C63C.
1077          RM      1    3.76      .2

1078          KK     C32
1079          KM        RETURN DIVERT AT C32.
1080          DR   DIV32

1081          KK     C33
1082          KM        ROUTE DIVERTED FLOW AT C32 TO C33.
1083          RM      1     .09      .2

1084          KK      33
1085          KM        RUNOFF FROM SUBWATERSHED 33.
1086          BA    .02
1087          LS              81
1088          UK    100   .0200     .10     100
1089          RK   1250   .0160     .05     .02    TRAP             30
```

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

1090          KK     C33
1091          KM        ADD HYDROGRAPHS AT C33.
1092          HC       2

1093          KK     C33
1094          KM        STORAGE ROUTE THROUGH C33.  24" CP AND 24" ORCP ON R.R.
1095          RS       1    STOR       0       0
1096          SV       0     .83    1.39
1097          SQ       0      16     154
1098          SE  1787.5  1790.5  1791.5

1099          KK     C33
1100          KM        DIVERT FLOW AT C33.
1101          DT   DIV33
1102          DI       0      16     154
1103          DQ       0       0     128

1104          KK    C63C
1105          KM        ROUTE FLOW FROM C33 TO C63C.
1106          RM       1    4.85      .2

1107          KK     63C
1108          KM        RUNOFF FROM SUBWATERSHED 63C.
1109          BA    1.70
1110          LS              83
1111          UK     200    .015     .12     100
1112          RK    2000   .0100     .05     .28    TRAP             15
1113          RK   15250   .0100     .05            TRAP     25      20

1114          KK    C63C
1115          KM        ADD HYDROGRAPHS AT C63C.
1116          HC       4

1117          KK     C63
1118          KM        ROUTE FLOW FROM C63C TO C63.
1119          RM       1    1.16      .2

1120          KK     63A
1121          KM        RUNOFF FROM SUBWATERSHED 63A.
1122          BA    2.67
1123          LS              78
1124          UK     350     .01     .12     100
1125          RK    5200    .010     .05     .24    TRAP             20
1126          RK   21250    .010     .05            TRAP     25      25

1127          KK     C63
1128          KM        ROUTE FLOW FROM C63A TO C63.
1129          RM       1    1.06      .2
```

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

1130          KK      63
1131          KM        RUNOFF FROM SUBWATERSHED 63.
1132          BA    2.78
1133          LS              78
1134          UK     400     .01     .12     100
1135          RK    3000   .0076     .05     .70    TRAP      10      25
1136          RK   20750   .0076     .05            TRAP      60      40

1137          KK     C63
1138          KM        ADD HYDROGRAPHS AT C63.
1139          HC       3

1140          KK     C63
1141          KM        STORAGE ROUTE THROUGH C63.  135.8' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1142          RS       1    STOR       0       0
1143          SV       0    5.34   60.37   122.3
1144          SQ       0    2310    9506   20740
1145          SE  1544.9    1548  1553.4    1556

1146          KK    C83T
1147          KM        ROUTE FLOW FROM C63 TO C83T
1148          RM       1    1.69      .2

1149          KK     84T
1150          KM        RUNOFF FROM SUBWATERSHED 84T
1151          BA    1.81
1152          LS       0      74       0
1153          UK     400    .006     .13     100
1154          RK    6000   .0037     .06     .36    TRAP       0      35
1155          RK   21800   .0037     .05            TRAP      40      30

1156          KK    C83T
1157          KM        ADD HYDROGRAPHS AT C83T
1158          HC       2

1159          KK    C83T
1160          KM        ADD HYDROGRAPHS AT C83T.
1161          HC       2

1162          KK    C78T
1163          KM        ROUTE FLOW FROM C83T TO C78T
1164          RM       1     .26      .2

1165          KK     60D
1166          KM        RUNOFF FROM SUBWATERSHED 60D.
1167          BA    1.78
1168          LS              85
1169          UK     400   .0150     .12     100
1170          RK    2200   .0075     .05     .59    TRAP              20
1171          RK   14875   .0075     .05            TRAP      25      20
```

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

1172          KK    C60B
1173          KM        ROUTE FLOW FROM C60D TO C60B.
1174          RM       1    1.37      .2

1175          KK     60B
1176          KM        RUNOFF FROM SUBWATERSHED 60B.
1177          BA    3.53
1178          LS              83
1179          UK     400   .0089     .12     100
1180          RK    2600   .0069     .05     .76    TRAP             25
1181          RK   28250   .0069     .05            TRAP     30      20

1182          KK    C60B
1183          KM        ADD HYDROGRAPHS AT C60B.
1184          HC       2

1185          KK    C60A
1186          KM        ROUTE FLOW FROM C60B TO C60A.
1187          RM       1     .59      .2

1188          KK     60C
1189          KM        RUNOFF FROM SUBWATERSHED 60C.
1190          BA    1.19
1191          LS              81
1192          UK     400    .010     .11     100
1193          RK    2900    .007     .05     .17    TRAP             20
1194          RK   11000    .007     .05            TRAP     25      20

1195          KK    C60A
1196          KM        ROUTE FLOW FROM C60C TO C60A.
1197          RM       1    1.88      .2

1198          KK     60A
1199          KM        RUNOFF FROM SUBWATERSHED 60A.
1200          BA    2.88
1201          LS              81
1202          UK     250   .0089     .12     100
1203          RK    1800   .0069     .05     .72    TRAP             25
1204          RK   21125   .0069     .05            TRAP     30      20

1205          KK    C60A
1206          KM        ADD HYDROGRAPHS AT C60A.
1207          HC       3

1208          KK     C60
1209          KM        ROUTE FLOW FROM C60A TO C60.
1210          RM       1     .54      .2

1211          KK      60
1212          KM        RUNOFF FROM SUBWATERSHED 60.
1213          BA    3.29
1214          LS              82
1215          UK     500   .0104     .12     100
1216          RK    6300   .0064     .05     .87    TRAP             30
```

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

1217          RK   23500   .0064     .05            TRAP      30      30

1218          KK     C60
1219          KM        ADD HYDROGRAPHS AT C60.
1220          HC       2

1221          KK      59
1222          KM        RUNOFF FROM SUBWATERSHED 59.
1223          BA    2.29
1224          LS              79
1225          UK     500    .009     .11     100
1226          RK    3500   .0059     .05     .76   TRAP             30
1227          RK   21000   .0059     .05           TRAP      30      30

1228          KK     C60
1229          KM        ROUTE FLOW FROM C59 TO C60.
1230          RM       1     .94      .2

1231          KK     C60
1232          KM        ADD HYDROGRAPHS AT C60.
1233          HC       2

1234          KK      61
1235          KM        RUNOFF FROM SUBWATERSHED 61.
1236          BA    1.27
1237          LS              93
1238          UK     350   .0084     .11     100
1239          RK    2450   .0064     .05     .25   TRAP             35
1240          RK   12500   .0064     .05           TRAP      30      40

1241          KK     C60
1242          KM        ROUTE FLOW FROM C61 TO C60.
1243          RM       1     .60      .2

1244          KK     C60
1245          KM        ADD HYDROGRAPHS AT C60.
1246          HC       2

1247          KK     C60
1248          KM        STORAGE ROUTE THROUGH C60.  67' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1249          RS       1    STOR       0       0
1250          SV       0   11.41   62.95  549.65
1251          SQ       0       0    1876    5695
1252          SE    1533  1535.6    1540  1545.1

1253          KK    C89T
1254          KM        ROUTE FLOW AT C60 TO C89T.
1255          RM       1     .39      .2

1256          KK     88T
1257          KM        RUNOFF FROM SUBWATERSHED 88T
1258          BA     .63
1259          LS       0      75       0
1260          UK     200    .007     .13     100
1261          RK    2500   .0049     .05     .21   TRAP       0      25
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1262        RK    6300   .0048     .05            TRAP      30      20

1263        KK    C89T
1264        KM        ADD HYDROGRAPHS AT C89T
1265        HC       2

1266        KK     90T
1267        KM        RUNOFF FROM SUBWATERSHED 90T
1268        BA    2.23
1269        LS       0      74       0
1270        UK     200    .016     .13     100
1271        RK    4500   .0133     .07     .74    TRAP       0      35
1272        RK   19000   .0133     .05            TRAP      20      30

1273        KK    C89T
1274        KM        ROUTE FLOW FROM C90T TO C89T
1275        RM       1     .88      .2

1276        KK    89AT
1277        KM        RUNOFF FROM SUBWATERSHED 89AT
1278        BA    2.69
1279        LS       0      80       0
1280        UI       0      59     119     188     294     440     594     746     918    1018
1281        UI     938    1052    1052    1052     852     752     703     622     540     510
1282        UI     527     367     350     334     309     249     240     230     222     214
1283        UI     207     193     138     134     130     126     103      67      65      64
1284        UI      62      60      56      36      35      34      33      33      32      31
1285        UI      31      30      31      16      16      15      15      15      15      14
1286        UI      14      14       6       0       0       0       0       0       0       0

1287        KK    C89T
1288        KM        ROUTE FLOW FROM C89AT TO C89T
1289        RM       1    1.24      .2

1290        KK     89T
1291        KM        RUNOFF FROM SUBWATERSHED 89T
1292        BA    3.39
1293        LS       0      73       0
1294        UK     250     .01     .14     100
1295        RK    4800   .0075     .06     .57    TRAP       0      30
1296        RK   16100   .0075     .05            TRAP      25      25

1297        KK    C89T
1298        KM        ADD HYDROGRAPHS AT C89T.
1299        HC       4

1300        KK    C87T
1301        KM        ROUTE FLOW FROM C89T TO C87T
1302        RM       1     .58      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1303          KK     87T
1304          KM        RUNOFF FROM SUBWATERSHED 87T
1305          BA    1.77
1306          LS       0      74       0
1307          UK     200    .008     .13     100
1308          RK    4200   .0049     .06     .35    TRAP       0      30
1309          RK   14300   .0049     .05            TRAP      30      25

1310          KK    C87T
1311          KM        ADD HYDROGRAPHS AT C87T.
1312          HC       2

1313          KK    86AT
1314          KM        RUNOFF FROM SUBWATERSHED 86AT
1315          BA    2.77
1316          LS       0      82       0
1317          UI       0     132     315     627    1048    1481    1628    1765    1765    1359
1318          UI    1182     950     846     708     573     495     406     381     359     335
1319          UI     230     219     196     112     107     103      88      59      57      55
1320          UI      53      51      49      27      26      25      24      24      16       0
1321          UI       0       0       0       0       0       0       0       0       0       0

1322          KK    C87T
1323          KM        ROUTE FLOW FROM C86AT TO C87T
1324          RM       1    1.39      .2

1325          KK     86T
1326          KM        RUNOFF FROM SUBWATERSHED 86T
1327          BA    3.10
1328          LS       0      73       0
1329          UK     350    .016     .15     100
1330          RK    8200   .0120     .07     .34    TRAP       0      30
1331          RK   24050   .0120     .05            TRAP      20      25

1332          KK     85T
1333          KM        RUNOFF FROM SUBWATERSHED 85T
1334          BA    4.75
1335          LS       0      80       0
1336          UI       0      86     174     246     405     549     787     989    1202    1448
1337          UI    1573    1452    1646    1646    1646    1610    1242    1167    1100     997
1338          UI     855     813     775     754     565     542     520     501     380     378
1339          UI     366     354     342     332     322     299     216     210     205     199
1340          UI     194     125     104     102      99      97      95     102      56      55
1341          UI      54      53      52      51      50      49      48      47      63      25
1342          UI      25      25      24      24      23      23      23      22      22      22
1343          UI       7       0       0       0       0       0       0       0       0       0

1344          KK    C87T
1345          KM        ADD HYDROGRAPHS AT C87T
1346          HC       4
```

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

1347        KK    C81T
1348        KM        ROUTE FLOW FROM C87T TO C81T
1349        RM       1     .29      .2

1350        KK     81T
1351        KM        RUNOFF FROM SUBWATERSHED 81T
1352        BA    1.40
1353        LS       0      75       0
1354        UK     250    .017     .14     100
1355        RK    3000   .0121     .07     .47    TRAP       0      30
1356        RK   13500   .0121     .05            TRAP      20      25

1357        KK    C81T
1358        KM        ADD HYDROGRAPHS AT C81T.
1359        HC       2

1360        KK     80T
1361        KM        RUNOFF FROM SUBWATERSHED 80T
1362        BA    1.83
1363        LS       0      82       0
1364        UI       0      70     152     289     499     704     914     940    1016    1016
1365        UI     843     707     617     514     514     353     330     297     237     225
1366        UI     213     203     190     132     126     126      65      63      61      58
1367        UI      46      34      33      32      31      30      29      24      15      15
1368        UI      14      14      14      13       3       0       0       0       0       0

1369        KK     82T
1370        KM        RUNOFF FROM SUBWATERSHED 82T
1371        BA    1.59
1372        LS       0      75       0
1373        UK     300    .007     .15     100
1374        RK    3200   .0053     .06     .40    TRAP       0      35
1375        RK   20600   .0053     .05            TRAP      15      30

1376        KK    C81T
1377        KM        ADD HYDROGRAPHS AT C81T
1378        HC       3

1379        KK    C78T
1380        KM        ROUTE FLOW FROM C81T TO C78T
1381        RM       1     .23      .2

1382        KK    C78T
1383        KM        ADD HYDROGRAPHS AT C78T.
1384        HC       2

1385        KK     78T
1386        KM        RUNOFF FROM SUBWATERSHED 78T
1387        BA    1.10
1388        LS       0      72       0
1389        UK     300    .009     .15     100
1390        RK    3400   .0063     .06     .28    TRAP       0      35
1391        RK    8200   .0063     .05            TRAP      70      30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1392          KK    C78T
1393          KM        ADD HYDROGRAPHS AT C78T
1394          HC       2

1395          KK    C76T
1396          KM        ROUTE FLOW FROM C78T TO C76T
1397          RM       1     .69      .2

1398          KK     79T
1399          KM        RUNOFF FROM SUBWATERSHED 79T
1400          BA    2.8
1401          LS       0      72       0
1402          UK     200    .009     .15     100
1403          RK    4600   .0059     .06     .40    TRAP      0      35
1404          RK   21100   .0059     .05            TRAP     25      30

1405          KK    C76T
1406          KM        ROUTE FLOW FROM C79T TO C76T
1407          RM       1    1.30      .2

1408          KK    C76T
1409          KM        ADD HYDROGRAPHS AT C76T.
1410          HC       2

1411          KK     77T
1412          KM        RUNOFF FROM SUBWATERSHED 77T
1413          BA    2.15
1414          LS       0      77       0
1415          UI       0     127     328     684    1138    1377    1563    1563    1196    1013
1416          UI     795     719     523     464     362     337     315     263     199     188
1417          UI     113      95      91      71      52      49      48      46      44      24
1418          UI      23      22      21      21       1       0       0       0       0       0

1419          KK    C76T
1420          KM        ROUTE FLOW FROM C77T TO C76T
1421          RM       1    1.08      .2

1422          KK    C76T
1423          KM        ADD HYDROGRAPHS AT C76T.
1424          HC       2

1425          KK     76T
1426          KM        RUNOFF FROM SUBWATERSHED 76T
1427          BA    4.11
1428          LS       0      72       0
1429          UK     300    .007     .14     100
1430          RK    7000   .0062     .06     .41    TRAP      0      35
1431          RK   22100   .0062     .05            TRAP     80      30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1432          KK    C76T
1433          KM       ADD HYDROGRAPHS AT C76T
1434          HC      2

1435          KK     66
1436          KM       RUNOFF FROM SUBWATERSHED 66
1437          BA    .54
1438          LS      0      73       0
1439          UK    300   .0195     .11     100
1440          RK   2000   .0182     .07     .14    TRAP      0      20
1441          RK   7700   .0182     .05            TRAP     20      15

1442          KK    C67
1443          KM       ROUTE FLOW FROM C66 TO C67
1444          RM      1     .28      .2

1445          KK     67
1446          KM       RUNOFF FROM SUBWATERSHED 67
1447          BA   6.20
1448          LS      0      84       0
1449          UI      0      98      198     270     434     579     823    1059    1287    1528
1450          UI   1787    1927    1716    1976    1976    1976    1976    1606    1436    1358
1451          UI   1289    1114    1012     967     926     906     679     654     630     608
1452          UI    501     462     447     433     420     408     396     386     363     260
1453          UI    254     248     242     236     203     127     124     121     119     116
1454          UI    114     128      68      67      65      64      63      62      61      60
1455          UI     59      58      57      78      31      30      30      29      29      28
1456          UI     28      28      27      27      26      26       9       0       0       0

1457          KK    C67
1458          KM       ADD HYDROGRAPHS AT C67
1459          HC      2

1460          KK    C68
1461          KM       ROUTE FLOW FROM C67 TO C68
1462          RM      1     .16      .2

1463          KK     68
1464          KM       RUNOFF FROM SUBWATERSHED 68
1465          BA   1.67
1466          LS      0      81       0
1467          UI      0      44      90     157     244     373     490     626     709     665
1468          UI    737     737     687     542     501     447     378     355     344     252
1469          UI    239     228     180     169     161     155     149     143     113      95
1470          UI     92      89      70      47      45      44      43      44      25      24
1471          UI     24      23      23      22      22      21      22      11      11      11
1472          UI     11      10      10      10      10       4       0       0       0       0

1473          KK    C68
1474          KM       ADD HYDROGRAPHS AT C68
1475          HC      2
```

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

1476          KK     C69
1477          KM       ROUTE FLOW FROM C68 TO C69
1478          RM       1     .54      .2

1479          KK      69
1480          KM       RUNOFF FROM SUBWATERSHED 69
1481          BA     .71
1482          LS       0      73       0
1483          UK     300   .0182     .11     100
1484          RK    1700   .0164     .07     .14    TRAP      0      15
1485          RK    9000   .0164     .05            TRAP     20      10

1486          KK     C69
1487          KM       ADD HYDROGRAPHS AT C69
1488          HC       2

1489          KK     C70
1490          KM       ROUTE FLOW FROM C69 TO C70
1491          RM       1     .25      .2

1492          KK     70A
1493          KM       RUNOFF FROM SUBWATERSHED 70A
1494          BA    5.87
1495          LS       0      85       0
1496          UI       0     138      281     460     700    1100    1446    1817    2191    2148
1497          UI    2405    2405     2405    2186    1763    1641    1495    1249    1177    1228
1498          UI     841     800      763     691     567     544     523     503     485     468
1499          UI     383     311      301     292     285     155     150     146     142     139
1500          UI     134      82       80      78      76      74      73      71      70      90
1501          UI      37      36       36      35      34      34      33      32      32      19
1502          UI       0       0        0       0       0       0       0       0       0       0

1503          KK     C70
1504          KM       ROUTE FLOW FROM C70A TO C70
1505          RM       1     .60      .2

1506          KK      70
1507          KM       RUNOFF FROM SUBWATERSHED 70
1508          BA    1.03
1509          LS       0      76       0
1510          UK     350    .025     .10     100
1511          RK    2100   .0162     .07     .20    TRAP      0      20
1512          RK   15000   .0162     .05            TRAP     35      15

1513          KK     C70
1514          KM       ADD HYDROGRAPHS AT C70
1515          HC       3

1516          KK     C71
1517          KM       ROUTE FLOW FROM C70 TO C71
1518          RM       1     .98      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1519          KK     71
1520          KM       RUNOFF FROM SUBWATERSHED 71
1521          BA    .83
1522          LS      0      72       0
1523          UK    300    .025     .11     100
1524          RK   2100   .0159     .07     .16    TRAP      0      20
1525          RK  10400   .0159     .05            TRAP     25      15

1526          KK    C71
1527          KM       ADD HYDROGRAPHS AT C71
1528          HC      2

1529          KK    C72
1530          KM       ROUTE FLOW FROM C71 TO C72
1531          RM      1     .25      .2

1532          KK     72
1533          KM       RUNOFF FROM SUBWATERSHED 72
1534          BA   2.10
1535          LS      0      78       0
1536          UI      0      72     149     285     472     680     906     961    1084    1084
1537          UI   1084     811     740     640     546     508     427     356     335     260
1538          UI    245     233     222     212     167     139     133     128      69      67
1539          UI     65      63      54      36      35      34      33      32      32      37
1540          UI     17      16      16      15      15      15      14       7       0       0

1541          KK    C72
1542          KM       ADD HYDROGRAPHS AT C72
1543          HC      2

1544          KK    C73
1545          KM       ROUTE FLOW FROM C72 TO C73
1546          RM      1    1.48      .2

1547          KK     73
1548          KM       RUNOFF FROM SUBWATERSHED 73
1549          BA   4.32
1550          LS      0      77       0
1551          UI      0     147     306     586     971    1399    1863    1978    2230    2230
1552          UI   2230    1668    1523    1316    1123    1046     879     732     690     534
1553          UI    503     478     456     436     344     285     274     263     143     138
1554          UI    133     129     112      75      73      71      69      67      65      76
1555          UI     34      33      33      32      31      30      30      15       0       0

1556          KK    C73
1557          KM       ADD HYDROGRAPHS AT C73
1558          HC      2

1559          KK    C74
1560          KM       ROUTE FLOW FROM C73 TO C74
1561          RM      1    1.13      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


1562          KK      75
1563          KM        RUNOFF FROM SUBWATERSHED 75
1564          BA    1.51
1565          LS       0      83       0
1566          UI       0      57     123     232     402     566     738     765     829     829
1567          UI     710     583     518     424     393     334     272     256     194     185
1568          UI     176     167     159     109     104     100      70      52      50      48
1569          UI      43      28      27      26      25      25      24      24      13      12
1570          UI      12      12      11      11       8       0       0       0       0       0

1571          KK     C74
1572          KM        ROUTE FLOW FROM C75 TO C74
1573          RM       1     .79      .2

1574          KK      74
1575          KM        RUNOFF FROM SUBWATERSHED 74
1576          BA    1.26
1577          LS       0      72       0
1578          UK     350   .0095     .12     100
1579          RK    3500   .0073     .06     .25    TRAP       0      45
1580          RK    8500   .0073     .05            TRAP      25      40

1581          KK     C74
1582          KM        ADD HYDROGRAPHS AT C74
1583          HC       3

1584          KK    C76T
1585          KM        ROUTE FLOW AT C74 TO C76T.
1586          RM       1     .31      .2

1587          KK    C76T
1588          KM        ADD HYDROGRAPHS AT C76T.
1589          HC       2

1590          KK     C91
1591          KM        ROUTE FLOW FROM C76T TO C91
1592          RM       1     .25      .2

1593          KK     C33
1594          KM        RETURN DIVERT AT C33.
1595          DR   DIV33

1596          KK     C34
1597          KM        ROUTE DIVERTED FLOW AT C33 TO C34.
1598          RM       1    .044      .2

1599          KK      34
1600          KM        RUNOFF FROM SUBWATERSHED 34.
1601          BA     .34
1602          LS              81
1603          UK     150     .02     .10     100
1604          RK    3200   .0136     .05     .04    TRAP              20
1605          RK   11750   .0136     .05            TRAP      10      10
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1606        KK     C34
1607        KM        ADD HYDROGRAPHS AT C34.
1608        HC       2

1609        KK     C34
1610        KM        STORAGE ROUTE THROUGH C34.  36"X36" CPA ON R.R.
1611        RS       1    STOR       0       0
1612        SV       0     .48    1.78    4.69    7.13   10.14   11.68
1613        SQ       0      26      55      70      80     131     350
1614        SE  1777.5    1780    1782    1784    1785    1786    1787

1615        KK     C34
1616        KM        DIVERT FLOW AT C34.
1617        DT   DIV34
1618        DI       0      80     131     350
1619        DQ       0       0      41     250

1620        KK    C64A
1621        KM        ROUTE FLOW FROM C34 TO C64A.
1622        RM       1    2.81      .2

1623        KK     C34
1624        KM        RETURN DIVERT AT C34.
1625        DR   DIV34

1626        KK     C35
1627        KM        ROUTE DIVERTED FLOW AT C34 TO C35.
1628        RM       1     .20      .2

1629        KK      35
1630        KM        RUNOFF FROM SUBWATERSHED 35.
1631        BA     .34
1632        LS              81
1633        UK     200    .020     .10     100
1634        RK    3200   .0136     .05     .11    TRAP              20
1635        RK   10875   .0138     .05            TRAP      15      20

1636        KK     C35
1637        KM        ADD HYDROGRAPHS AT C35.
1638        HC       2

1639        KK     C35
1640        KM        STORAGE ROUTE THROUGH C35.  36"X42" CPA ON R.R.
1641        RS       1    STOR       0       0
1642        SV       0     .28    1.41    4.14    6.48    9.35   12.46
1643        SQ       0      21      60      90     100     204     551
1644        SE    1758    1760    1762    1764    1765    1766    1767

1645        KK     C35
1646        KM        DIVERT FLOW AT C35.
1647        DT   DIV35
1648        DI       0     100     204     551
1649        DQ       0       0      84     410
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1650        KK    C64A
1651        KM        ROUTE FLOW FROM C35 TO C64A.
1652        RM       1    2.13      .2

1653        KK     64A
1654        KM        RUNOFF FROM SUBWATERSHED 64A.
1655        BA    1.99
1656        LS              79
1657        UK     300    .012     .11     100
1658        RK    3000   .0086     .05     .33    TRAP             20
1659        RK   19000   .0086     .05            TRAP      20     25

1660        KK    C64A
1661        KM        ADD HYDROGRAPHS AT C64A.
1662        HC       3

1663        KK     C64
1664        KM        ROUTE FLOW FROM C64A TO C64.
1665        RM       1     .36      .2

1666        KK     C35
1667        KM        RETURN DIVERT AT C35.
1668        DR   DIV35

1669        KK     C36
1670        KM        ROUTE DIVERTED FLOW AT C35 TO C36.
1671        RM       1     .34      .2

1672        KK      36
1673        KM        RUNOFF FROM SUBWATERSHED 36.
1674        BA    3.64
1675        LS              80
1676        UK     200    .020     .10     100
1677        RK    5600   .0159     .05     .32    TRAP       5     20
1678        RK   43875   .0159     .05            TRAP      15     40

1679        KK     C36
1680        KM        ADD HYDROGRAPHS AT C36.
1681        HC       2

1682        KK     C36
1683        KM        STORAGE ROUTE THROUGH C36.  24" ORCP AND 6-SPAN BRIDGE 84' LONG.
1684        KM        ASSUME 8-10'X5'BC'S.
1685        RS       1    STOR       0       0
1686        SV       0     .57    1.76    3.01
1687        SQ       0     960    2240    2960
1688        SE  1737.5    1740    1742    1743

1689        KK    C64B
1690        KM        ROUTE FLOW FROM C36 TO C64B.
1691        RM       1    1.02      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1692          KK      37
1693          KM        RUNOFF FROM SUBWATERSHED 37.
1694          BA    2.71
1695          LS              80
1696          UK     200    .020     .10     100
1697          RK    5600   .0159     .05     .32    TRAP       5      25
1698          RK   39875   .0159     .05            TRAP      25      40

1699          KK     C37
1700          KM        STORAGE ROUTE THROUGH C37.  5-SPAN BRIDGE 70' LONG.  ASSUME 7-10X5' BC'S
1701          RS       1    STOR       0       0
1702          SV       0     .48    1.37
1703          SQ       0     840    1680
1704          SE  1719.5    1722  1723.5

1705          KK    C64B
1706          KM        ROUTE FLOW FROM C37 TO C64B.
1707          RM       1    1.09      .2

1708          KK     64B
1709          KM        RUNOFF FROM SUBWATERSHED 64B.
1710          BA    1.93
1711          LS              81
1712          UK     300    .012     .12     100
1713          RK    3000    .009     .05     .27    TRAP              20
1714          RK   15500    .009     .05            TRAP      20      25

1715          KK    C64B
1716          KM        ADD HYDROGRAPHS AT C64B.
1717          HC       3

1718          KK     C64
1719          KM        ROUTE FLOW FROM C64B TO C64.
1720          RM       1     .72      .2

1721          KK      64
1722          KM        RUNOFF FROM SUBWATERSHED 64.
1723          BA    3.52
1724          LS              78
1725          UK     500    .010     .13     100
1726          RK    6000   .0056     .05     .50    TRAP      10      25
1727          RK    9100   .0056     .05            TRAP      80      40

1728          KK     C64
1729          KM        ADD HYDROGRAPHS AT C64.
1730          HC       3

1731          KK     C64
1732          KM        STORAGE ROUTE THROUGH C64.  87.1' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1733          RS       1    STOR       0       0
1734          SV       0   32.46  350.14  629.41
1735          SQ       0       0    2265    3920
1736          SE    1541  1544.7    1549  1550.9
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1737          KK     C95
1738          KM        ROUTE FLOW FROM C64 TO C95.
1739          RM       1    1.13      .2

1740          KK      95
1741          KM        RUNOFF FROM SUBWATERSHED 95
1742          BA    1.72
1743          LS       0      76       0
1744          UK     200    .009     .14     100
1745          RK    3300   .0062     .06     .34    TRAP       0      30
1746          RK   16300   .0062     .05            TRAP      50      25

1747          KK     C95
1748          KM        ADD HYDROGRAPHS AT C95.
1749          HC       2

1750          KK      96
1751          KM        RUNOFF FROM SUBWATERSHED 96
1752          BA    1.89
1753          LS       0      72       0
1754          UK     250     .01     .13     100
1755          RK    4000   .0074     .06     .31    TRAP       0      30
1756          RK   10200   .0074     .05            TRAP      25      25

1757          KK     C95
1758          KM        ROUTE FLOW FROM C96 TO C95
1759          RM       1     .47      .2

1760          KK      94
1761          KM        RUNOFF FROM SUBWATERSHED 94
1762          BA     .53
1763          LS       0      72       0
1764          UK     200    .012     .14     100
1765          RK    2100   .0082     .06     .17    TRAP       0      30
1766          RK    9150   .0082     .05            TRAP      30      25

1767          KK     C95
1768          KM        ADD HYDROGRAPHS AT C95.
1769          HC       2

1770          KK     C95
1771          KM        ADD HYDROGRAPHS AT C95
1772          HC       2

1773          KK     C93
1774          KM        ROUTE FLOW FROM C95 TO C93
1775          RM       1    1.10      .2

1776          KK      93
1777          KM        RUNOFF FROM SUBWATERSHED 93
1778          BA    1.16
1779          LS       0      72       0
1780          UK     200    .007     .15     100
1781          RK    3500   .0068     .06     .29    TRAP       0      40
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1782          RK   14200   .0048     .05           TRAP      40      35

1783          KK     C93
1784          KM        ADD HYDROGRAPHS AT C93.
1785          HC       2

1786          KK      92
1787          KM        RUNOFF FROM SUBWATERSHED 92
1788          BA    1.55
1789          LS       0      72       0
1790          UK     250    .009     .15     100
1791          RK    4300   .0064     .06     .38    TRAP       0      40
1792          RK   19800   .0064     .05           TRAP      40      35

1793          KK     C93
1794          KM        ADD HYDROGRAPHS AT C93
1795          HC       2

1796          KK     C91
1797          KM        ROUTE FLOW FROM C93 TO C91
1798          RM       1     .58      .2

1799          KK     C91
1800          KM        ADD HYDROGRAPHS AT C91.
1801          HC       2

1802          KK      91
1803          KM        RUNOFF FROM SUBWATERSHED 91
1804          BA    1.12
1805          LS       0      75       0
1806          UK     300     .01     .15     100
1807          RK    4500   .0055     .06     .28    TRAP       0      45
1808          RK   10800   .0055     .05           TRAP      40      40

1809          KK     C91
1810          KM        ADD HYDROGRAPHS AT C91
1811          HC       2

1812          KK     C97
1813          KM        ROUTE FLOW FROM C91 TO C97.
1814          RM       1    1.58      .2

1815          KK      38
1816          KM        RUNOFF FROM SUBWATERSHED 38.
1817          BA    3.88
1818          LS              78
1819          UK     200    .020     .10     100
1820          RK    7000   .0180     .05     .40    TRAP      10      20
1821          RK   47400   .0164     .05           TRAP      20      35
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1822          KK     38B
1823          KM        RUNOFF FROM SUBWATERSHED 38B
1824          BA    4.49
1825          LS              78
1826          UK     200     .02     .10     100
1827          RK    7000    .018     .05     .40    TRAP      10      20
1828          RK   47400   .0164     .05            TRAP      20      35

1829          KK    CP38
1830          KM        ROUTE FLOW FROM CP38B TO CP38.
1831          RM       1     .32      .2

1832          KK    CP38
1833          KM        ADD HYDROGRAPHS AT CP38
1834          HC       2

1835          KK     38A
1836          KM        RUNOFF FROM SUBWATERSHED 38A.
1837          BA    .28
1838          LS              78
1839          UK     200     .02      .1     100
1840          RK    9000     .01     .05     .28    TRAP      15      30

1841          KK    CP38
1842          KM        ADD HYDROGRAPHS AT CP38.
1843          HC       2

1844          KK     C38
1845          KM        STORAGE ROUTE THROUGH C38.  7-SPAN BRIDGE ON R.R.  ASSUME 17-10'X3' BC'S
1846          RS       1    STOR       0       0
1847          SV       0     .73    2.17    4.52    8.19
1848          SQ       0    1445    2550    3811    4810
1849          SE    1674    1676    1677    1678    1679

1850          KK     C38
1851          KM        DIVERT FLOW AT C38.
1852          DT   DIV38
1853          DI       0    2550    3811    4810
1854          DQ       0       0      71     390

1855          KK     C38
1856          KM        STORAGE ROUTE THROUGH C38.  7-SPAN BRIDGE ON R.R.  ASSUME 17-10'X3' BC'S
1857          RS       1    STOR       0       0
1858          SV       0     .73    2.17    4.52    8.19
1859          SQ       0    1445    2550    3811    4810
1860          SE    1674    1676    1677    1678    1679

1861          KK     C38
1862          KM        DIVERT FLOW AT C38.
1863          DT   DIV38
1864          DI       0    2550    3811    4810
1865          DQ       0       0      71     390
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1866        KK    C65B
1867        KM       ROUTE FLOW FROM C38 TO C65B.
1868        RM       1     .69      .2

1869        KK     C38
1870        KM       RETURN DIVERTED FLOW AT C38.
1871        DR   DIV38

1872        KK     C39
1873        KM       ROUTE DIVERTED FLOW AT C38 TO C39.
1874        RM       1     .28      .2

1875        KK      39
1876        KM       RUNOFF FROM SUBWATERSHED 39.
1877        BA    .76
1878        LS             72
1879        UK     300    .015     .10     100
1880        RK    5000   .0114     .05     .17    TRAP              30
1881        RK   11000   .0114     .05            TRAP      10      40

1882        KK     C39
1883        KM       ADD HYDROGRAPHS AT C39.
1884        HC       2

1885        KK     C39
1886        KM       STORAGE ROUTE THROUGH C39.  4-SPAN BRIDGE, ASSUME 8-7'X7' BC'S.
1887        RS       1    STOR       0       0
1888        SV       0     .85    2.79   11.93
1889        SQ       0     672    1512    3024
1890        SE  1643.5    1646    1648  1650.5

1891        KK     C65
1892        KM       ROUTE FLOW FROM C39 TO C65B.
1893        RM       1     .97      .2

1894        KK     65B
1895        KM       RUNOFF FROM SUBWATERSHED 65B.
1896        BA    .69
1897        LS             74
1898        UK     400     .01     .06     100
1899        RK    3000    .007     .05     .18    TRAP       5      20
1900        RK   10000   .0079     .05     .52    TRAP      30      60

1901        KK    C65B
1902        KM       ADD HYDROGRAPHS AT C65B.
1903        HC       3

1904        KK    C65A
1905        KM       ROUTE FLOW FROM C65B TO C65A.
1906        RM       1     .41      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1907          KK     65A
1908          KM        RUNOFF FROM SUBWATERSHED 65A.
1909          BA     .88
1910          LS              74
1911          UK     400     .01     .06     100
1912          RK    3000    .007     .05     .22    TRAP      5      20
1913          RK   10500   .0079     .05     .88    TRAP     30      20

1914          KK    C65A
1915          KM        ADD HYDROGRAPHS AT C65A.
1916          HC       2

1917          KK     C65
1918          KM        ROUTE FLOW FROM C65A TO C65.
1919          RM       1     .26      .2

1920          KK      65
1921          KM        RUNOFF FROM SUBWATERSHED 65.
1922          BA     .69
1923          LS              74
1924          UK     400    .010     .06     100
1925          RK    3000    .007     .05     .22    TRAP      5      20
1926          RK   10500   .0079     .05     .88    TRAP     30      20

1927          KK     C65
1928          KM        ADD HYDROGRAPHS AT C65.
1929          HC       2

1930          KK     40A
1931          KM        RUNOFF FROM SUBWATERSHED 40A.
1932          BA    7.11
1933          LS              75
1934          UK     300    .025     .10     100
1935          RK   13000   .0173     .05     .42    TRAP     15      20
1936          RK   47500   .0173     .05            TRAP     60      10

1937          KK     C40
1938          KM        ROUTE FLOW FROM C40A TO C40.
1939          RM       1     .49      .2

1940          KK     40E
1941          KM        RUNOFF FROM SUBWATERSHED 40E.
1942          BA     .14
1943          LS              72
1944          UK     200    .016     .11     100
1945          RK    4500   .0149     .05     .14    TRAP     10      15

1946          KK    C40E
1947          KM        STORAGE ROUTE THROUGH C40E.  30" CMP AND 36" CMP ON R.R.
1948          RS       1    STOR       0       0
1949          SV       0     .12     .81    2.93    7.71   16.17
1950          SQ       0      24      64      87     105     121
1951          SE  1794.5    1796    1798    1800    1802    1804
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1952        KK    C40C
1953        KM        ROUTE FLOW FROM C40E TO C40C.
1954        RM      1     .34      .2

1955        KK     40F
1956        KM        RUNOFF FROM SUBWATERSHED 40F.
1957        BA    3.51
1958        LS              78
1959        UK     200    .025     .11     100
1960        RK    5000   .0232     .05     .35    TRAP              15
1961        RK   34675   .0232     .05            TRAP      20      15

1962        KK    C40F
1963        KM        STORAGE ROUTE THROUGH C40F.  3-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
1964        RS      1    STOR       0       0
1965        SV      0    1.04    3.77     8.4   15.06   23.96   35.07   48.49   63.89   81.03
1966        SQ      0     330     465     720     975    1200    1425    1650    1800    1950
1967        SE   1798    1800    1801    1802    1803    1804    1805    1806    1807    1808

1968        KK    C40C
1969        KM        ROUTE FLOW FROM C40F TO C40C.
1970        RM      1     .16      .2

1971        KK     40C
1972        KM        RUNOFF FROM SUBWATERSHED 40C.
1973        BA     .21
1974        LS              74
1975        UK     200    .020     .11     100
1976        RK    1000   .0116     .05     .04    TRAP              15
1977        RK    3700   .0116     .05            TRAP      20      15

1978        KK    C40C
1979        KM        ADD HYDROGRAPHS AT C40C.
1980        HC      3

1981        KK    C40C
1982        KM        STORAGE ROUTE THROUGH C40C.  2-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
1983        RS      1    STOR       0       0
1984        SV      0     .61    4.07   12.28   26.22   47.04   75.69
1985        SQ      0     170     480     820    1140    1300    1500
1986        SE   1758    1760    1762    1764    1766    1768    1770

1987        KK    C40B
1988        KM        ROUTE FLOW FROM C40C TO C40B.
1989        RM      1     .18      .2

1990        KK     40J
1991        KM        RUNOFF FROM SUBWATERSHED 40J.
1992        BA    3.24
1993        LS              85
1994        UI      0     278    1015    1946    2334    1888    1323     983     693     520
1995        UI    472     300     228     141     114      76      71      65      35      33
1996        UI     31       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

1997          KK    C40H
1998          KM        ROUTE FLOW FROM C40J TO C40H.
1999          RM      1     .37      .2

2000          KK     40H
2001          KM        RUNOFF FROM SUBWATERSHED 40H.
2002          BA     .67
2003          LS              83
2004          UK     200    .020     .11     100
2005          RK    3000   .0173     .05     .11    TRAP             20
2006          RK    9900   .0173     .05            TRAP     40      10

2007          KK    C40H
2008          KM        ADD HYDROGRAPHS AT C40H.
2009          HC      2

2010          KK    C40G
2011          KM        ROUTE FLOW FROM C40H TO C40G.
2012          RM      1     .50      .2

2013          KK     40I
2014          KM        RUNOFF FROM SUBWATERSHED 40I.
2015          BA    1.65
2016          LS              83
2017          UI      0      81     243     522     762     881     841     618     484     408
2018          UI    291     237     196     180     146     110      88      55      51      38
2019          UI     29      27      26      24      13      13      12      11       0       0

2020          KK    C40G
2021          KM        ROUTE FLOW FROM C40I TO C40G.
2022          RM      1     .66      .2

2023          KK    C40G
2024          KM        ADD HYDROGRAPHS AT C40G.
2025          HC      2

2026          KK     40G
2027          KM        RUNOFF FROM SUBWATERSHED 40G.
2028          BA    2.05
2029          LS              79
2030          UK     200    .020     .11     100
2031          RK    5000   .0152     .05     .20    TRAP             25
2032          RK   17900   .0152     .05            TRAP     50      10

2033          KK    C40G
2034          KM        ADD HYDROGRAPHS AT C40G.
2035          HC      2

2036          KK    C40G
2037          KM        STORAGE ROUTE THROUGH C40G.  5-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
2038          RS      1    STOR       0       0
2039          SV      0    1.73    6.27   14.01   25.09   39.94   58.44   80.81  106.47  135.06
2040          SQ      0     550     775    1200    1625    2000    2375    2750    3000    3250
2041          SE   1700    1900    1901    1902    1903    1904    1905    1906    1907    1908
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2042          KK    C40D
2043          KM       ROUTE FLOW FROM C40G TO C40D.
2044          RM      1     .12      .2

2045          KK     40D
2046          KM       RUNOFF FROM SUBWATERSHED 40D.
2047          BA    .19
2048          LS             72
2049          UK    200    .020     .11     100
2050          RK    800   .0123     .05     .05    TRAP             15
2051          RK   3000   .0123     .05            TRAP     20      15

2052          KK    C40D
2053          KM       ADD HYDROGRAPHS AT C40D.
2054          HC      2

2055          KK    C40D
2056          KM       STORAGE ROUTE THROUGH C40D.  4-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
2057          RS      1    STOR       0       0
2058          SV      0    9.89   21.91   37.89   58.01   82.29  110.73  143.18  179.48  219.31
2059          SQ      0     620     960    1300    1600    1900    2200    2400    2600    2800
2060          SE   1767    1770    1771    1772    1773    1774    1775    1776    1777    1778

2061          KK    C40B
2062          KM       ROUTE FLOW FROM C40D TO C40B.
2063          RM      1     .23      .2

2064          KK     40B
2065          KM       RUNOFF FROM SUBWATERSHED 40B.
2066          BA    .51
2067          LS             74
2068          UK    200    .020     .11     100
2069          RK   1700   .0113     .05     .10    TRAP      5      15
2070          RK   4600   .0113     .05            TRAP     20       5

2071          KK    C40B
2072          KM       ADD HYDROGRAPHS AT C40B.
2073          HC      3

2074          KK    C40B
2075          KM       STORAGE ROUTE THROUGH C40B.  4-10'X5' BC'S AND 4-10'X3' BC'S ON
2076          KM       CHRYSLER PROVING GROUNDS.
2077          RS      1    STOR       0       0
2078          SV      0    1.19    3.99    9.06   16.74   27.45   41.57   59.51   81.52
2079          SQ      0     680    1240    1800    2360    2840    3260    3680    4000
2080          SE   1711    1713    1714    1715    1716    1717    1718    1719    1720

2081          KK     C40
2082          KM       ROUTE FLOW FROM C40B TO C40.
2083          RM      1     .48      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2084          KK      40
2085          KM        RUNOFF FROM SUBWATERSHED 40.
2086          BA    1.45
2087          LS              73
2088          UK     400    .010     .11     100
2089          RK    4000   .0032     .05     .29    TRAP      10      20
2090          RK   11600   .0032     .05            TRAP      10      40

2091          KK     C40
2092          KM        ADD HYDROGRAPHS AT C40.
2093          HC       3

2094          KK     C40
2095          KM        STORAGE ROUTE THROUGH C40.  2-30" RCP'S AND 3-10'X10' BC'S ON CHRYSLER
2096          KM        PROVING GROUNDS.
2097          RS       1    STOR       0       0
2098          SV       0    2.52   10.78   17.34   22.91   35.23
2099          SQ       0     855    2190    2775    3480    6000
2100          SE  1593.5    1598    1602  1603.5  1604.5    1605

2101          KK     C41
2102          KM        ROUTE FLOW FROM C40 TO C41.
2103          RM       1     .20      .2

2104          KK      41
2105          KM        RUNOFF FROM SUBWATERSHED 41.
2106          BA     .68
2107          LS              77
2108          UK     300   .0133     .11     100
2109          RK   12250   .0104     .05     .68    TRAP      10      30

2110          KK     C41
2111          KM        ADD HYDROGRAPHS AT C41.
2112          HC       2

2113          KK     C41
2114          KM        STORAGE ROUTE THROUGH C41.  9-SPAN BRIDGE, 126' LONG.  ASSUME
2115          KM        14-9'X4.5' BC'S.
2116          RS       1    STOR       0       0
2117          SV       0     .41    1.44    3.02    4.47
2118          SQ       0    1260    3150    4662    5737
2119          SE  1555.8    1558    1560  1561.5  1562.5

2120          KK     C41
2121          KM        DIVERT FLOW OUT OF SYSTEM.
2122          DT   DIV41
2123          DI       0    4662    5737
2124          DQ       0       0      67
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2125          KK     C65
2126          KM        ROUTE FLOW FROM C41 TO C65.
2127          RM       1     .05      .2

2128          KK     C65
2129          KM        ADD HYDROGRAPHS AT C65.
2130          HC       2

2131          KK     C65
2132          KM        STORAGE ROUTE THROUGH C65.  67.5' WIDE OVERCHUTE ON CAP WEST OF GRAND.
2133          RS       1    STOR       0       0
2134          SV       0     .44    2.94   35.52  114.78  210.33     250
2135          SQ       0     338    1013    2025    3577    4725    7945
2136          SE  1543.2    1544    1546    1548    1550  1551.7  1552.5

2137          KK   C102A
2138          KM        ROUTE FLOW AT C65 TO C102A.
2139          RM       1     .82      .2

2140          KK    102A
2141          KM        RUNOFF FROM SUBWATERSHED 102A.
2142          BA    2.34
2143          LS       0      74       0
2144          UK     250     .01     .12     100
2145          RK    4500   .0073     .06     .35    TRAP       0      30
2146          RK   16700   .0073     .05    2.34    TRAP      35      25

2147          KK   C102A
2148          KM        ADD HYDROGRAPHS AT C102A.
2149          HC       2

2150          KK     104
2151          KM        RUNOFF FROM SUBWATERSHED 104.
2152          BA     .04
2153          LS              72
2154          UK     300    .015     .12     100
2155          RK    1200    .018     .05     .04    TRAP       0      25

2156          KK    C104
2157          KM        STORAGE ROUTE THROUGH C104.  3-10'X5' BC'S ON R.R.
2158          RS       1    STOR       0       0
2159          SV       0    1.56    2.91    4.68
2160          SQ       0     990    1310    1900
2161          SE    1534    1539    1540    1541

2162          KK    C104
2163          KM        DIVERT FLOW AT C104.
2164          DT  DIV104
2165          DI       0     990    1310    1900
2166          DQ       0       0     110     460
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2167          KK   C102A
2168          KM        ROUTE FLOW FROM C104 TO C102A.
2169          RM       1    2.79      .2

2170          KK   C102A
2171          KM        ADD HYDROGRAPHS AT C102A.
2172          HC       2

2173          KK    C104
2174          KM        RETURN DIVERT AT C104.
2175          DR  DIV104

2176          KK    C105
2177          KM        ROUTE DIVERTED FLOW AT C104 TO C105.
2178          RM       1     .08      .2

2179          KK     105
2180          KM        RUNOFF FROM SUBWATERSHED 105.
2181          BA    .03
2182          LS       0      72       0
2183          UK     200    .012     .12     100
2184          RK    1500   .0093     .05     .03    TRAP       0      25

2185          KK    C105
2186          KM        ADD HYDROGRAPHS AT C105.
2187          HC       2

2188          KK    C105
2189          KM        STORAGE ROUTE THROUGH C105.  42" ORCP ON R.R.
2190          RS       1    STOR       0       0
2191          SV       0     .53    1.10    3.28
2192          SQ       0      15      36      96
2193          SE    1532  1533.5    1534    1535

2194          KK    C105
2195          KM        DIVERT FLOW A C105.
2196          DT  DIV105
2197          DI       0      15      36      96
2198          DQ       0       0      14      56

2199          KK   C102A
2200          KM        ROUTE FLOW AT C105 TO C102A.
2201          RM       1    3.77      .2

2202          KK   C102A
2203          KM        ADD HYDROGRAPHS AT C102A.
2204          HC       2

2205          KK    42D1
2206          KM        RUNOFF FROM SUBWATERSHED 42D1.
2207          BA    .04
2208          LS              72
2209          UK     200    .020     .11     100
2210          RK    2900    .0170     .05    3900       0      10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2211          KK   C42D1
2212          KM        STORAGE ROUTE THROUGH C42D1.  24" CMP ON CHRYSLER PROVING GROUNDS.
2213          RS       1    STOR       0       0
2214          SV       0     .18    1.10    3.01    5.58
2215          SQ       0      13      19    23.5      27
2216          SE  1797.6    1800    1802    1804    1806

2217          KK    C42D
2218          KM        ROUTE FLOW FROM C42D1 TO C42D.
2219          RM       1     .43      .2

2220          KK     42D
2221          KM        RUNOFF FROM SUBWATERSHED 42D.
2222          BA    .10
2223          LS              72
2224          UK     200    .020     .11     100
2225          RK     700   .0133     .05     .03    TRAP             10
2226          RK    3000   .0133     .05            TRAP      5      10

2227          KK    C42D
2228          KM        ADD HYDROGRAPHS AT C42D.
2229          HC       2

2230          KK    C42D
2231          KM        STORAGE ROUTE THROUGH C42D.  36" CMP ON CHRYSLER PROVING GROUNDS.
2232          RS       1    STOR       0       0
2233          SV       0     .31     .82    1.84    3.70    6.91   12.19
2234          SQ       0      18      35      42      48      52      57
2235          SE    1767    1769    1770    1771    1772    1773    1774

2236          KK    C42A
2237          KM        ROUTE FLOW FROM  C42D TO C42A.
2238          RM       1     .63      .2

2239          KK     42A
2240          KM        RUNOFF FROM SUBWATERSHED 42A.
2241          BA    .33
2242          LS              72
2243          UK     200    .015     .11     100
2244          RK    2000   .0103     .05     .11    TRAP             10
2245          RK    5250   .0103     .05            TRAP     10      10

2246          KK    C42A
2247          KM        ADD HYDROGRAPHS AT C42A.
2248          HC       2

2249          KK    C42A
2250          KM        STORAGE ROUTE THROUGH C42A.  48" CMP ON CHRYSLER PROVING GROUNDS.
2251          RS       1    STOR       0       0
2252          SV       0     .40    1.03    2.07    3.66    5.96    9.39   15.24   24.66
2253          SQ       0      28      42      58      73      82      92     100     109
2254          SE    1705    1707    1708    1709    1710    1711    1712    1713    1714
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2255          KK     C42
2256          KM        ROUTE FLOW FROM C42A TO C42.
2257          RM       1    1.60      .2

2258          KK    42E1
2259          KM       RUNOFF FROM SUBWATERSHED 42E1.
2260          BA     .48
2261          LS              75
2262          UK     200    .020     .11     100
2263          RK    2600   .0160     .05     .12    TRAP       0      15
2264          RK   10900   .0160     .05            TRAP      10      10

2265          KK   C42E1
2266          KM        STORAGE ROUTE THROUGH C42E1.  3-30" CMP'S ON CHRYSLER PROVING GROUNDS.
2267          RS       1    STOR       0       0
2268          SV       0    1.14    2.79    5.86   11.36   20.28
2269          SQ       0     102     123     141     156     165
2270          SE    1795    1800    1802    1804    1806    1808

2271          KK    C42E
2272          KM        ROUTE FLOW FROM C42E1 TO C42E.
2273          RM       1     .27      .2

2274          KK     42E
2275          KM        RUNOFF FROM SUBWATERSHED 42E.
2276          BA     .10
2277          LS              72
2278          UK     200    .020     .11     100
2279          RK     700   .0141     .05     .05    TRAP              10
2280          RK    3200   .0141     .05            TRAP       5      10

2281          KK    C42E
2282          KM        ADD HYDROGRAPHS AT C42E.
2283          HC       2

2284          KK    C42E
2285          KM        STORAGE ROUTE THROUGH C42E.  3-36"X22" CMPA'S ON CHRYSLER PROVING GROUND
2286          RS       1    STOR       0       0
2287          SV       0     .80    3.74    8.46
2288          SQ       0      68      88     106
2289          SE  1766.6    1770    1772    1774

2290          KK    C42B
2291          KM        ROUTE FLOW FROM C42E TO C42B.
2292          RM       1     .45      .2

2293          KK     42B
2294          KM        RUNOFF FROM SUBWATERSHED 42B.
2295          BA     .17
2296          LS              72
2297          UK     200    .015     .10     100
2298          RK     700   .0123     .05     .04    TRAP              15
2299          RK    4875   .0123     .05            TRAP      10      10
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2300          KK    C42B
2301          KM        ADD HYDROGRAPHS AT C42B.
2302          HC       2

2303          KK    C42B
2304          KM        STORAGE ROUTE THROUGH C42B.  2-36" CMP'S ON CHRYSLER PROVING GROUNDS.
2305          RS       1    STOR       0       0
2306          SV       0     .94    4.51   12.40
2307          SQ       0      84     105     123
2308          SE    1706    1710    1712    1714

2309          KK     C42
2310          KM        ROUTE FLOW FROM C42B TO C42.
2311          RM       1    1.53      .2

2312          KK    42F1
2313          KM        RUNOFF FROM SUBWATERSHED 42F1.
2314          BA     .22
2315          LS              72
2316          UK     200    .020     .12     100
2317          RK    2600   .0148     .05     .07    TRAP       0      10
2318          RK    7650   .0148     .05            TRAP       0      15

2319          KK   C42F1
2320          KM        STORAGE ROUTE THROUGH C42F1.  2-30" CMP'S AND 1-24" CMP ON CHRYSLER
2321          KM        PROVING GROUNDS.
2322          RS       1    STOR       0       0
2323          SV       0     .54    2.07    6.45   15.47
2324          SQ       0    49.5      79   101.5   117.3
2325          SE  1797.5    1800    1802    1804    1806

2326          KK    C42F
2327          KM        ROUTE FLOW FROM C42F1 TO C42F.
2328          RM       1     .33      .2

2329          KK     42F
2330          KM        RUNOFF FROM SUBWATERSHED 42F.
2331          BA     .11
2332          LS              72
2333          UK     200    .020     .11     100
2334          RK    1000   .0129     .05     .03    TRAP       0      10
2335          RK    3100   .0129     .05            TRAP       5      10

2336          KK    C42F
2337          KM        ADD HYDROGRAPHS AT C42F.
2338          HC       2

2339          KK    C42F
2340          KM        STORAGE ROUTE THROUGH C42F.  4-36"X22" CMPA'S ON CHRYSLER PROVING GROUND
2341          RS       1    STOR       0       0
2342          SV       0    1.36    3.76
2343          SQ       0   126.5     150
2344          SE  1762.2    1768    1770
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2345          KK    C42C
2346          KM        ROUTE FLOW FROM C42F TO C42C.
2347          RM       1     .45      .2

2348          KK     42C
2349          KM        RUNOFF FROM SUBWATERSHED 42C.
2350          BA    .30
2351          LS             72
2352          UK    200    .020     .11     100
2353          RK   2000     133     .05     .05    TRAP      0      15
2354          RK   4500   .0133     .05            TRAP     10      10

2355          KK    C42C
2356          KM        ADD HYDROGRAPHS AT C42C.
2357          HC       2

2358          KK    C42C
2359          KM        STORAGE ROUTE THROUGH C42C.  2-42" CMP'S ON CHRYSLER PROVING GROUNDS.
2360          RS       1    STOR       0       0
2361          SV       0    1.75    6.29   14.72
2362          SQ       0     112     146     168
2363          SE    1712    1716    1718    1720

2364          KK     C42
2365          KM        ROUTE FLOW FROM C42C TO C42.
2366          RM       1    1.37      .2

2367          KK      42
2368          KM        RUNOFF FROM SUBWATERSHED 42.
2369          BA    1.88
2370          LS             77
2371          UK    300   .0133     .11     100
2372          RK   6000   .0038     .05     .30    TRAP      0      40
2373          RK  16000   .0038     .05            TRAP     20      50

2374          KK     C42
2375          KM        ADD HYDROGRAPHS AT C42.
2376          HC       4

2377          KK     43B
2378          KM        RUNOFF FROM SUBWATERSHED 43B.
2379          BA    1.52
2380          LS             85
2381          UI      0     79    246    523    750    841    759    571    427    353
2382          UI    268    202    180    170    109    102     59     50     43     28
2383          UI     26     25     25     13     12     12     11      1      0      0

2384          KK    C43A
2385          KM        ROUTE FLOW FROM C43B TO C43A.
2386          RM       1     .53      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2387          KK     43A
2388          KM        RUNOFF FROM SUBWATERSHED 43A.
2389          BA    1.46
2390          LS              81
2391          UK     300    .025     .11     100
2392          RK    4000   .0184     .05     .25    TRAP      0      15
2393          RK   19400   .0184     .05            TRAP     10      15

2394          KK    C43A
2395          KM        ADD HYDROGRAPHS AT C43A.
2396          HC       2

2397          KK    C43A
2398          KM        STORAGE ROUTE THROUGH C43A.  3-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
2399          RS       1    STOR       0       0
2400          SV       0   10.15   19.49   31.83   47.38
2401          SQ       0    1450    1850    2160    2400
2402          SE    1795    1802    1804    1806    1808

2403          KK     C43
2404          KM        ROUTE FLOW FROM C43A TO C43.
2405          RM       1     .98      .2

2406          KK     43C
2407          KM        RUNOFF FROM SUBWATERSHED 43C.
2408          BA     .31
2409          LS              81
2410          UK     200    .020     .11     100
2411          RK    2500   .0183     .05     .15    TRAP      0      15
2412          RK    9000   .0183     .05            TRAP      0      15

2413          KK    C43C
2414          KM        STORAGE ROUTE THROUGH C43C.  2-36" CMP'S ON CHRYSLER PROVING GROUNDS.
2415          RS       1    STOR       0       0
2416          SV       0    1.01    3.53    9.18
2417          SQ       0      42     110     130
2418          SE    1798    1802    1804    1806

2419          KK     C43
2420          KM        ROUTE FLOW FROM C43C TO C43.
2421          RM       1    1.86      .2

2422          KK     43D
2423          KM        RUNOFF FROM SUBWATERSHED 43D.
2424          BA     .35
2425          LS              81
2426          UK     200    .022     .11     100
2427          RK    2500   .0183     .05     .15    TRAP      0      15
2428          RK    9000   .0183     .05            TRAP      0      15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2429          KK    C43D
2430          KM        STORAGE ROUTE THROUGH C43D.  2-36" CMP'S ON CHRYSLER PROVING GROUNDS.
2431          RS      1    STOR       0       0
2432          SV      0     .78    2.47    6.06   12.09
2433          SQ      0      82     108     128     148
2434          SE   1796    1800    1802    1804    1806

2435          KK    C43
2436          KM        ROUTE FLOW FROM C43D TO C43.
2437          RM      1    1.81      .2

2438          KK    C43
2439          KM        ADD HYDROGRAPHS  AT C43.
2440          HC      3

2441          KK    43E
2442          KM        RUNOFF FROM SUBWATERSHED 43E.
2443          BA    .32
2444          LS              81
2445          UK    200    .022     .11     100
2446          RK   2500   .0185     .05     .15    TRAP      0      15
2447          RK   8125   .0185     .05            TRAP      0      15

2448          KK    C43E
2449          KM        STORAGE ROUTE THROUGH C43E.  2-42" CMP'S ON CHRYSLER PROVING GROUNDS.
2450          RS      1    STOR       0       0
2451          SV      0     .47    2.03    4.99   10.00
2452          SQ      0      28      97     142     174
2453          SE   1798    1800    1802    1804    1806

2454          KK    C43
2455          KM        ROUTE FLOW FROM C43E TO C43.
2456          RM      1    1.80      .2

2457          KK     43
2458          KM        RUNOFF FROM SUBWATERSHED 43.
2459          BA   4.42
2460          LS              74
2461          UK    300   .0133     .12     100
2462          RK   5000   .0120     .05     .40    TRAP      0      40
2463          RK  22500    .012     .05            TRAP     10      50

2464          KK    C43
2465          KM        ADD HYDROGRAPHS AT C43.
2466          HC      3

2467          KK     44
2468          KM        RUNOFF FROM SUBWATERSHED 44.
2469          BA    .76
2470          LS              72
2471          UK    200   .0150     .11     100
2472          RK   2500   .0101     .05     .25    TRAP      0      30
2473          RK   9375   .0101     .05            TRAP     10      30
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2474          KK     45
2475          KM        RUNOFF FROM SUBWATERSHED 45.
2476          BA   2.29
2477          LS            72
2478          UK    300  .0160    .11    100
2479          RK   3000  .0117    .05    .23   TRAP     0     30
2480          RK  19250  .0117    .05          TRAP    15     40

2481          KK    C46
2482          KM        ADD HYDROGRAPHS AT C46.
2483          HC      4

2484          KK     46
2485          KM        RUNOFF FROM SUBWATERSHED 46.
2486          BA   1.22
2487          LS            72
2488          UK    400   .020    .12    100
2489          RK   3000  .0118    .05    .12   TRAP     0     30
2490          RK  13375  .0118    .05          TRAP    30     15

2491          KK    C46
2492          KM        ADD HYDROGRAPHS AT C46.
2493          HC      2

2494          KK    47C
2495          KM        RUNOFF FROM SUBWATERSHED 47C.
2496          BA  16.43
2497          LS            86
2498          UI      0    336    697   1336   2215   3192   4251   4513   5089   5089
2499          UI   5089   3807   3475   3004   2564   2387   2007   1670   1574   1219
2500          UI   1148   1092   1041    995    786    651    625    600    326    315
2501          UI    304    294    256    171    166    161    157    152    148    173
2502          UI     78     76     74     73     71     69     68     35      0      0

2503          KK   C47B
2504          KM        ROUTE FLOW FROM C47C TO C47B.
2505          RM      1    .95     .2

2506          KK    47B
2507          KM        RUNOFF FROM SUBWATERSHED 47B.
2508          BA   2.30
2509          LS            79
2510          UK    200   .020    .12    100
2511          RK   5000   .015    .05    .35   TRAP     5     15
2512          RK  28750  .0179    .05          TRAP    10     15

2513          KK   C47B
2514          KM        ADD HYDROGRAPHS AT C47B.
2515          HC      2
```

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

2516        KK    C47A
2517        KM        ROUTE FLOW FROM C47B TO C47A.
2518        RM       1     .43      .2

2519        KK     47A
2520        KM        RUNOFF FROM SUBWATERSHED 47A.
2521        BA    1.90
2522        LS              77
2523        UK     200    .020     .12     100
2524        RK    5000   .0150     .05     .35    TRAP      5      15
2525        RK   27250   .0150     .05            TRAP     10      15

2526        KK    C47A
2527        KM        ADD HYDROGRAPHS AT C47A.
2528        HC       2

2529        KK     C47
2530        KM        ROUTE FLOW FROM C47A TO C47.
2531        RM       1     .18      .2

2532        KK      47
2533        KM        RUNOFF FROM SUBWATERSHED 47.
2534        BA     .24
2535        LS              72
2536        UK     200    .020     .11     100
2537        RK    5500   .0105     .05            TRAP     10      30

2538        KK     C47
2539        KM        ADD HYDROGRAPHS AT C47.
2540        HC       2

2541        KK      48
2542        KM        RUNOFF FROM SUBWATERSHED 48.
2543        BA    9.63
2544        LS              79
2545        UK     200    .030     .12     100
2546        RK   11000   .0204     .05     .59    TRAP     10      30
2547        RK   43800   .0204     .05            TRAP     30      50

2548        KK      49
2549        KM        RUNOFF FROM SUBWATERSHED 49.
2550        BA     .57
2551        LS              72
2552        UK     200    .020     .12     100
2553        RK    2500   .0122     .05     .14    TRAP      0      30
2554        RK   12125   .0122     .05            TRAP     10      15

2555        KK     C49
2556        KM        ADD HYDROGRAPHS AT C49.
2557        HC       4
```

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

2558          KK      50
2559          KM        RUNOFF FROM SUBWATERSHED 50.
2560          BA     .32
2561          LS              72
2562          UK     200    .020     .11     100
2563          RK    1600   .0121     .05     .07    TRAP       0      25
2564          RK    6625   .0121     .05            TRAP      10      20

2565          KK     C50
2566          KM        ADD HYDROGRAPHS AT C50.
2567          HC       2

2568          KK     C50
2569          KM        STORAGE ROUTE THROUGH C50.  THIS IS THE COMBINED STORAGE OF THE
2570          KM        CONCRETE OVERCHUTES ON THE CAP THAT INCLUDE AREAS 42-50.
2571          RS       1    STOR       0       0
2572          SV       0   93.89  690.42 2093.28 3202.77
2573          SQ       0     725    2295    3590    6035
2574          SE  1540.0    1544    1548    1552    1554

2575          KK     C50
2576          KM        DIVERT FLOW OVER ROAD TO C53.
2577          DT   DIV50
2578          DI       0    3173    3590    6035
2579          DQ       0       0     125    2150

2580          KK     C42
2581          KM        DIVERT REMAINDER OF FLOW TO C42.  72" CONCRETE OVERCHUTE ON THE CAP.
2582          DT   DIV42
2583          DI       0     725    2295    3465    3885
2584          DQ       0      50     225     360     420

2585          KK     C43
2586          KM        DIVERT REMAINDER OF FLOW TO C43.  72" CONCRETE OVERCHUTE ON THE CAP.
2587          DT   DIV43
2588          DI       0     675    2070    3105    3465
2589          DQ       0      65     240     370     430

2590          KK     C44
2591          KM        DIVERT REMAINDER OF FLOW TO C44.  72" CONCRETE OVERCHUTE ON THE CAP.
2592          DT   DIV44
2593          DI       0     610    1830    2735    3035
2594          DQ       0      75     240     380     425

2595          KK     C45
2596          KM        DIVERT REMAINDER OF FLOW TO C45.  72" CONCRETE OVERCHUTE ON THE CAP.
2597          DT   DIV45
2598          DI       0     535    1590    2355    2610
2599          DQ       0      85     260     385     430
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2600          KK     C46
2601          KM        DIVERT REMAINDER OF FLOW TO C46.
2602          DT   DIV46
2603          DI      0     445    1330    1970    2180
2604          DQ      0      90     250     400     440

2605          KK     C47
2606          KM        DIVERT REMAINDER OF FLOW TO C47.  72" CONCRETE OVERCHUTE ON THE CAP.
2607          DT   DIV47
2608          DI      0     335    1090    1570    1740
2609          DQ      0      90     270     395     435

2610          KK     C48
2611          KM        DIVERT REMAINDER OF FLOW TO C48.  72" CONCRETE OVERCHUTE ON THE CAP.
2612          DT   DIV48
2613          DI      0     265     810    1175    1305
2614          DQ      0      90     270     395     435

2615          KK     C49
2616          KM        DIVERT REMAINDER OF FLOW TO C49.  72" CONCRETE OVERCHUTE ON THE CAP.
2617          DT   DIV49
2618          DI      0     175     540     780     870
2619          DQ      0      95     280     400     445

2620          KK    C50A
2621          KM        DIVERT REMAINDER OF FLOW TO C50A.
2622          KM        THIS DIVERTED FLOW IS ACTUALLY THE REMAINDER OF THE FLOW GOING THROUGH
2623          KM        THE 72" PIPE OVERCHUTE AT C50.  THE REMAINING DISCHARGE AFTER THE LAST
2624          KM        DIVERT IS ZERO.  THIS WAS DONE BECAUSE THE HEC-1 MODEL IS A STRAIGHT
2625          KM        FORWARD OPERATION AND DOES NOT ALLOW YOU TO PICK UP FLOWS THAT ARE LEFT
2626          KM        BEHIND ANOTHER OPERATION UNLESS IT ADDS UP DIRECTLY WITH THE CURRENT
2627          KM        OPERATION.  FOR THIS REASON THE REMAINING ZERO HYDROGRAPH WILL BE ADDED
2628          KM        TO THE FOLLOWING OPERATION WITHOUT CHANGING THE DISCHARGE, THUS KEEPING
2629          KM        THE INTEGRITY OF THE MODEL.  THIS ALSO ENABLES THE MODEL TO CONTINUE IN
2630          KM        AN ORDERLY FASHION, EVEN THOUGH THIS IS NOT THE ACTUAL CONCENTRATION
2631          KM        POINT FOR THE REMAINING ZERO HYDROGRAPH AT C52A.
2632          DT  DIV50A
2633          DI      0      85     260     380     425
2634          DQ      0      85     260     380     425

2635          KK     C42
2636          KM        RETURN DIVERT AT C42.
2637          DR   DIV42

2638          KK    C106
2639          KM        ROUTE FLOW AT C42 TO C106.
2640          RM      1     .24      .2

2641          KK     106
2642          KM        RUNOFF FROM SUBWATERSHED 106.
2643          BA     .06
2644          LS      0      72       0
2645          UK    400    .012     .10     100
2646          RK   2500    .000     .05      06    1800       0      25
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2647          KK   C106
2648          KM       ADD HYDROGRAPHS AT C106.
2649          HC      2

2650          KK   C105
2651          KM       RETURN DIVERT AT C105.
2652          DR  DIV105

2653          KK   C106
2654          KM       ROUTE DIVERTED FLOW AT C105 TO C106.
2655          RM      1     .19      .2

2656          KK   C106
2657          KM       ADD HYDROGRAPHS AT C106.
2658          HC      2

2659          KK   C106
2660          KM       STORAGE ROUTE THROUGH C106.  3-10'X3.5' BC'S ON R.R.
2661          RS      1    STOR       0       0
2662          SV      0    1.74    3.04    5.59
2663          SQ      0     660     955    1440
2664          SE   1521    1525    1526    1527

2665          KK   C106
2666          KM       DIVERT FLOW AT C106.
2667          DT  DIV106
2668          DI      0     660     955    1440
2669          DQ      0       0      85     420

2670          KK  C102A
2671          KM       ROUTE FLOW FROM C106 TO C102A.
2672          RM      1    1.47      .2

2673          KK  C102A
2674          KM       ADD HYDROGRAPHS AT C102A.
2675          HC      2

2676          KK    C43
2677          KM       RETURN DIVERT AT C43.
2678          DR   DIV43

2679          KK   C107
2680          KM       ROUTE DIVERTED FLOW AT C43 TO C107.
2681          RM      1     .43      .2

2682          KK   C106
2683          KM       RETURN DIVERTED FLOW AT C106.
2684          DR  DIV106
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2685        KK    C107
2686        KM        ROUTE DIVERTED FLOW AT C106 TO C107.
2687        RM       1     .79      .2

2688        KK     107
2689        KM        RUNOFF FROM SUBWATERSHED 107.
2690        BA     .32
2691        LS       0      72       0
2692        UK     250    .011     .10     100
2693        RK    2800   .0082     .07     .10    TRAP       0      25
2694        RK    6200   .0082     .06            TRAP      35      20

2695        KK    C107
2696        KM        ADD HYDROGRAPHS AT C107.
2697        HC       3

2698        KK    C107
2699        KM        STORAGE ROUTE THROUGH C107.  10-10'X3' BC'S ON R.R.
2700        RS       1    STOR       0       0
2701        SV       0    4.50
2702        SQ       0    2930
2703        SE    1497    1492

2704        KK    C107
2705        KM        DIVERT FLOW AT C107.
2706        DT  DIV107
2707        DI       0    1900    2226    2930
2708        DQ       0       0      26     330

2709        KK   C102A
2710        KM        ROUTE FLOW AT C107 TO C102A.
2711        RM       1     .89      .2

2712        KK   C102A
2713        KM        ADD HYDROGRAPHS AT C102A.
2714        HC       2

2715        KK    C107
2716        KM        RETURN DIVERTED FLOW AT C107.
2717        DR  DIV107

2718        KK    C108
2719        KM        ROUTE DIVERTED FLOW AT C107 TO C108.
2720        RM       1     .39      .2

2721        KK     108
2722        KM        RUNOFF FROM SUBWATERSHED 108.
2723        BA     .67
2724        LS       0      72       0
2725        UK     300    .012     .10     100
2726        RK    2900   .0093     .07     .16    TRAP       0      20
2727        RK    7600   .0093     .05     .67    TRAP      15      15
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2728        KK    C108
2729        KM        ADD HYDROGRAPHS AT C108.
2730        HC       2

2731        KK    C108
2732        KM        STORAGE ROUTE THROUGH C108.  4-11'X4.5' BC'S ON R.R.
2733        RS       1    STOR       0       0
2734        SV       0     .03    1.25    2.99    3.65
2735        SQ       0      62     528    1172    2282
2736        SE  1467.5    1468    1470  1471.5    1472

2737        KK    C108
2738        KM        DIVERT FLOW AT C108.
2739        DT  DIV108
2740        DI       0     528    1172    2282
2741        DQ       0       0     160     830

2742        KK   C102A
2743        KM        ROUTE FLOW AT C108 TO C102A.
2744        RM       1     .71      .2

2745        KK   C102A
2746        KM        ADD HYDROGRAPHS AT C102A.
2747        HC       2

2748        KK    C108
2749        KM        RETURN DIVERTED FLOW AT C108.
2750        DR  DIV108

2751        KK    C109
2752        KM        ROUTE FLOW AT C108 TO C109.
2753        RM       1     .24      .2

2754        KK     109
2755        KM        RUNOFF FROM SUBWATERSHED 109.
2756        BA     .12
2757        LS       0      72       0
2758        UK     100    .012     .10     100
2759        RK     800   .0088     .06     .06    TRAP       0      10
2760        RK    4300   .0099     .05            TRAP       0      15

2761        KK    C109
2762        KM        ADD HYDROGRAPHS AT C109.
2763        HC       2

2764        KK    C109
2765        KM        STORAGE ROUTE THROUGH C109.  2-48" CIP'S ON R.R.
2766        RS       1    STOR       0       0
2767        SV       0     .18     .99    2.90
2768        SQ       0      46     169     297
2769        SE    1358    1360    1362    1363
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2770          KK   C109
2771          KM       DIVERT FLOW AT C109.
2772          DT  DIV109
2773          DI      0      46     169     297
2774          DQ      0       0      25     105

2775          KK  C102A
2776          KM       ROUTE FLOW AT C109 TO C102A.
2777          RM      1     .92      .2

2778          KK  C102A
2779          KM       ADD HYDROGRAPHS AT C102A.
2780          HC      3

2781          KK   C102
2782          KM       ROUTE FLOW FROM C102A TO C102.
2783          RM      1     .51      .2

2784          KK    102
2785          KM       RUNOFF FROM SUBWATERSHED 102.
2786          BA    .72
2787          LS      0      77       0
2788          UK    300    .009     .10     100
2789          RK   2500   .0059     .06     .18    TRAP      0      25
2790          RK  10400   .0059     .05     .72    TRAP     30      20

2791          KK   C102
2792          KM       ADD HYDROGRAPHS AT C102.
2793          HC      2

2794          KK    98A
2795          KM       RUNOFF FROM SUBWATERSHED 98A.
2796          BA   1.33
2797          LS      0      72       0
2798          UK    200     .01     .12     100
2799          RK   5500   .0081     .06     .24    TRAP      0      30
2800          RK  13200   .0081     .05    1.33    TRAP     20      25

2801          KK   C102
2802          KM       ROUTE FLOW FROM C98A TO C102.
2803          RM      1    1.44      .2

2804          KK     98
2805          KM       RUNOFF FROM SUBWATERSHED 98.
2806          BA   1.01
2807          LS      0      72       0
2808          UK    200    .009     .13     100
2809          RK   3200   .0056     .06     .20    TRAP      0      25
2810          RK  13100   .0056     .05    1.01    TRAP     70      20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2811          KK    C102
2812          KM       ADD HYDROGRAPHS AT C102.
2813          HC      2

2814          KK    C102
2815          KM       ADD HYDROGRAPHS AT C102.
2816          HC      2

2817          KK     C97
2818          KM       ROUTE FLOW FROM C102 TO C97.
2819          RM      1    .58     .2

2820          KK     97A
2821          KM       RUNOFF FROM SUBWATERSHED 97A.
2822          BA    .81
2823          LS      0     72      0
2824          UK    200   .009    .13    100
2825          RK   3800  .0063    .06    .27   TRAP     0     45
2826          RK  12600  .0063    .05    .81   TRAP    20     40

2827          KK     C97
2828          KM       ROUTE FLOW FROM C97A TO C97.
2829          RM      1   2.28     .2

2830          KK     C97
2831          KM       ADD HYDROGRAPHS AT C97.
2832          HC      2

2833          KK     100
2834          KM       RUNOFF FROM SUBWATERSHED 100.
2835          BA    .74
2836          LS      0     82      0
2837          UK    250   .009    .13    100
2838          RK   2200  .0061    .06    .12   TRAP     0     60
2839          RK   9150  .0061    .05    .74   TRAP    20     55

2840          KK     C97
2841          KM       ROUTE FLOW FROM C100 TO C97.
2842          RM      1    .36     .2

2843          KK     C97
2844          KM       ADD HYDROGRAPHS AT C97.
2845          HC      2

2846          KK      97
2847          KM       RUNOFF FROM SUBWATERSHED 97.
2848          BA    1.97
2849          LS      0     72      0
2850          UK    300   .007    .12    100
2851          RK   4400  .0045    .06    .25   TRAP     0     45
2852          RK  14600  .0045    .05          TRAP    40     40
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2853          KK     C97
2854          KM        ADD HYDROGRAPHS AT C97.
2855          HC       2

2856          KK     C44
2857          KM        RETURN DIVERT AT C44.
2858          DR   DIV44

2859          KK    C110
2860          KM        ROUTE FLOW FROM C44 TO C110.
2861          RM       1    1.40      .2

2862          KK     110
2863          KM        RUNOFF FROM SUBWATERSHED 110.
2864          BA    2.06
2865          LS       0      72       0
2866          UK     250     .01     .10     100
2867          RK    3800    .008     .07     .40    TRAP       0      25
2868          RK   14800    .008     .05            TRAP      20      20

2869          KK    C110
2870          KM        ADD HYDROGRAPHS AT C110.
2871          HC       2

2872          KK     C45
2873          KM        RETURN DIVERT AT C45.
2874          DR   DIV45

2875          KK    C110
2876          KM        ROUTE FLOW FROM C45 TO C110.
2877          RM       1    1.39      .2

2878          KK    C110
2879          KM        ADD HYDROGRAPHS AT C110.
2880          HC       2

2881          KK    C109
2882          KM        RETURN DIVERTED FLOW AT C109.
2883          DR  DIV109

2884          KK    C110
2885          KM        ROUTE DIVERTED FLOW AT C109 TO C110.
2886          RM       1     .86      .2

2887          KK    C110
2888          KM        ADD HYDROGRAPHS AT C110.
2889          HC       2

2890          KK    C110
2891          KM        STORAGE ROUTE THROUGH C110.  3'X2' BC AND 8-7'X5' BC'S ON R.R.
2892          RS       1    STOR       0       0
2893          SV       0     .31    1.01    1.23    1.71
2894          SQ       0     672    1120    1431    1714
2895          SE    1410    1420  1421.5    1422  1422.5
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2896          KK   C110
2897          KM       DIVERT FLOW AT C110.
2898          DT  DIV110
2899          DI      0    1120    1431    1714
2900          DQ      0       0      31     146

2901          KK   C101
2902          KM       ROUTE FLOW FROM C110 TO C101.
2903          RM      1     .88      .2

2904          KK    101
2905          KM       RUNOFF FROM SUBWATERSHED 101.
2906          BA   1.65
2907          LS      0      78       0
2908          UK    300    .009     .10     100
2909          RK   4000   .0068     .06     .33    TRAP      0      35
2910          RK   9900   .0068     .05            TRAP     20      30

2911          KK   C101
2912          KM       ADD HYDROGRAPHS AT C101.
2913          HC      2

2914          KK   C110
2915          KM       RETURN FLOW AT C110.
2916          DR  DIV110

2917          KK   C111
2918          KM       ROUTE FLOW FROM C110 TO C111.
2919          RM      1     .34      .2

2920          KK    111
2921          KM       RUNOFF FROM SUBWATERSHED 111.
2922          BA    .35
2923          LS      0      72       0
2924          UK    200    .011     .10     100
2925          RK   2700   .0082     .06     .11    TRAP      0      25
2926          RK   6500   .0082     .05     .35    TRAP     15      20

2927          KK   C111
2928          KM       ADD HYDROGRAPHS AT C111.
2929          HC      2

2930          KK   C111
2931          KM       STORAGE ROUTE THROUGH C111.  2-36" RCP'S ON R.R.
2932          RS      1    STOR       0       0
2933          SV      0     .05     .14     .27    1.06
2934          SQ      0       2      39     147     592
2935          SE   1409  1409.5    1410  1410.5  1411.5
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


2936          KK   C111
2937          KM       DIVERT FLOW AT C111.
2938          DT  DIV111
2939          DI      0      2     39    147    592
2940          DQ      0      0     33    125    540

2941          KK   C101
2942          KM       ROUTE FLOW AT C111 TO C101.
2943          RM      1   1.81     .2

2944          KK   C101
2945          KM       ADD HYDROGRAPHS AT C101.
2946          HC      2

2947          KK   C111
2948          KM       RETURN DIVERT AT C111.
2949          DR  DIV111

2950          KK   C112
2951          KM       ROUTE FLOW FROM C111 TO C112.
2952          RM      1    .65     .2

2953          KK    112
2954          KM       RUNOFF FROM SUBWATERSHED 112.
2955          BA   1.34
2956          LS      0     72      0
2957          UK    200   .012    .10    100
2958          RK   2900  .0093    .07    .34   TRAP      0     25
2959          RK  12100  .0093    .05          TRAP     15     20

2960          KK   C112
2961          KM       ADD HYDROGRAPHS AT C112.
2962          HC      2

2963          KK   C112
2964          KM       STORAGE ROUTE THROUGH C112.  6-SPAN BRIDGE, 84' LONG.  ASSUME 14-6'X4'
2965          KM       BC'S ON R.R.
2966          RS      1   STOR      0      0
2967          SV      0    .12    .91   1.70   3.09
2968          SQ      0    252   1120   2106   3138
2969          SE   1377   1378   1380   1381   1382

2970          KK   C112
2971          KM       DIVERT FLOW AT C112.
2972          DT  DIV112
2973          DI      0   1120   2106   3138
2974          DQ      0      0     90    450

2975          KK   C101
2976          KM       ROUTE FLOW FROM C112 TO C101.
2977          RM      1    .39     .2
```

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

2978          KK    C101
2979          KM        ADD HYDROGRAPHS AT C101.
2980          HC       2

2981          KK    C112
2982          KM        RETURN DIVERT AT C112.
2983          DR  DIV112

2984          KK    C113
2985          KM        ROUTE FLOW FROM C112 TO C113.
2986          RM       1     .35      .2

2987          KK     113
2988          KM        RUNOFF FROM SUBWATERSHED 113.
2989          BA     .59
2990          LS       0      72       0
2991          UK     200     .01     .10     100
2992          RK    2500   .0068     .06     .20    TRAP       0      25
2993          RK   15250   .0068     .05     .59    TRAP      10      20

2994          KK    C113
2995          KM        ADD HYDROGRAPHS AT C113.
2996          HC       2

2997          KK    C113
2998          KM        STORAGE ROUTE THROUGH C113.  5-SPAN BRIDGE, 69' LONG.  ASSUME 7-10'X4'
2999          KM        BC'S ON R.R.
3000          RS       1    STOR       0       0
3001          SV       0    2.85    6.14
3002          SQ       0    2177    3050
3003          SE  1369.8  1374.5  1375.5

3004          KK    C113
3005          KM        DIVERT FLOW AT C113.
3006          DT  DIV113
3007          DI       0    1470    2177    3050
3008          DQ       0       0     147     600

3009          KK    C101
3010          KM        ROUTE FLOW AT C113 TO C101.
3011          RM       1     .36      .2

3012          KK    C101
3013          KM        ADD HYDROGRAPHS AT C101.
3014          HC       2

3015          KK    C113
3016          KM        RETURN DIVERT AT C113.
3017          DR  DIV113
```

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

3018          KK    C114
3019          KM        ROUTE FLOW FROM C113 TO C114.
3020          RM       1     .24      .2

3021          KK     114
3022          KM        RUNOFF FROM SUBWATERSHED 114.
3023          BA     .08
3024          LS       0      72       0
3025          UK     200    .011     .10     100
3026          RK    3200   .0075     .05     .08    TRAP      10      20

3027          KK    C114
3028          KM        ADD HYDROGRAPHS AT C114.
3029          HC       2

3030          KK    C114
3031          KM        STORAGE ROUTE THROUGH C114.  36" ORCP ON R.R.
3032          RS       1    STOR       0       0
3033          SV       0     .10    1.30
3034          SQ       0      15     135
3035          SE  1363.5  1365.5  1366.5

3036          KK    C114
3037          KM        DIVERT FLOW AT C114.
3038          DT  DIV114
3039          DI       0      15     135
3040          DQ       0       0     105

3041          KK    C101
3042          KM        ROUTE FLOW AT C114 TO C101.
3043          RM       1     .37      .2

3044          KK    C101
3045          KM        ADD HYDROGRAPHS AT C101.
3046          HC       2

3047          KK     C97
3048          KM        ROUTE FLOW FROM C101 TO C97.
3049          RM       1     .46      .2

3050          KK     C97
3051          KM        ADD HYDROGRAPHS AT C97.
3052          HC       2

3053          KK      99
3054          KM        RUNOFF FROM SUBWATERSHED 99.
3055          BA     .29
3056          LS       0      77       0
3057          UK     150    .006     .10     100
3058          RK    1800   .0046     .06     .15    TRAP       0      55
3059          RK    4800   .0046     .05     .29    TRAP      10      50
```

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

3060          KK     C97
3061          KM        ADD HYDROGRAPHS AT C97.
3062          HC       3

3063          KK     C97
3064          KM        STORAGE ROUTE THROUGH C97.  MCMICKEN DAM OUTLET AND SPILLWAY RATING
3065          KM        CURVES ARE USED HERE.
3066          RS       1    STOR       0       0
3067          SV       0    1370    5505   17501   20816   25623   30850   36661   38754   39849
3068          SQ       0     675     810    4080    4325   21150   47400   81650   93160   99300
3069          SE    1335    1340    1345  1352.5 1353.65 1355.65 1357.65 1359.65 1360.35  1360.7
3070          ST  1360.7   12775    3.05     1.5

3071          KK     C97
3072          KM        DIVERT FLOW AT C97.
3073          DT   DIV97
3074          DI       0    4325   21150   47400   81650   93160   99300
3075          DQ       0       0   16500   42500   76500   87900   94000

3076          KK    C119
3077          KM        ROUTE FLOW FROM C97 TO C119.
3078          RM       1    2.82      .2

3079          KK    C114
3080          KM        RETURN DIVERT AT C114.
3081          DR  DIV114

3082          KK    C115
3083          KM        ROUTE DIVERTED FLOW AT C114 TO C115.
3084          RM       1     .37      .2

3085          KK     115
3086          KM        RUNOFF FROM SUBWATERSHED 115.
3087          BA     .05
3088          LS       0      77       0
3089          UK     200    .011     .10     100
3090          RK    2400   .0075     .05     .05    TRAP      10      20

3091          KK    C115
3092          KM        ADD HYDROGRAPHS AT C115.
3093          HC       2

3094          KK    C115
3095          KM        STORAGE ROUTE THROUGH C115.  36" ORCP ON R.R.
3096          RS       1    STOR       0       0
3097          SV       0     .14    1.14    3.52
3098          SQ       0      12     127     548
3099          SE  1353.5    1355    1356    1357
```

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

3100        KK    C115
3101        KM        DIVERT FLOW AT C115.
3102        DT   DIV115
3103        DI       0      12     127     548
3104        DQ       0       0     100     505

3105        KK    C103
3106        KM        ROUTE FLOW AT C115 TO C103.
3107        RM       1     .97      .2

3108        KK     C97
3109        KM        RETURN DIVERT AT C97.
3110        DR   DIV97

3111        KK    C103
3112        KM        ROUTE DIVERTED FLOW AT C97 TO C103.
3113        RM       1     .17      .2

3114        KK    C103
3115        KM        ADD HYDROGRAPHS AT C103.
3116        HC       2

3117        KK     103
3118        KM        RUNOFF FROM SUBWATERSHED AT C103.
3119        BA     .32
3120        LS       0      79       0
3121        UK     250    .009     .10     100
3122        RK    1500   .0092     .06     .03    TRAP      0      65
3123        RK    3900   .0082     .05            TRAP     20      60

3124        KK    C103
3125        KM        ADD HYDROGRAPHS AT C103.
3126        HC       2

3127        KK    C119
3128        KM        ROUTE FLOW FROM C103 TO C119.
3129        RM       1    4.41      .2

3130        KK    C115
3131        KM        RETURN DIVERTED FLOW AT C115.
3132        DR   DIV115

3133        KK    C116
3134        KM        ROUTE DIVERTED FLOW AT C115 TO C116.
3135        RM       1     .66      .2

3136        KK     116
3137        KM        RUNOFF FROM SUBWATERSHED 116.
3138        BA    1.00
3139        LS       0      79       0
3140        UK     300   .0095     .10     100
3141        RK    2500   .0064     .06     .20    TRAP      0      25
3142        RK    8400   .0064     .05            TRAP     20      20
```

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

3143        KK    C116
3144        KM        ADD HYDROGRAPHS AT C116.
3145        HC       2

3146        KK    C116
3147        KM        STORAGE ROUTE THROUGH C116.  2-36" CMP'S ON 163RD AVENUE.
3148        RS       1    STOR       0       0
3149        SV       0     .83    3.21    6.54
3150        SQ       0      22      70    1000
3151        SE  1338.5    1340  1341.5  1342.5

3152        KK    C119
3153        KM        ROUTE FLOW AT C116 TO C119.
3154        RM       1     .72      .2

3155        KK    C119
3156        KM        ADD HYDROGRAPHS AT C119.
3157        HC       3

3158        KK     118
3159        KM        RUNOFF FROM SUBWATERSHED 118.
3160        BA    1.39
3161        LS       0      77       0
3162        UK     250    .008     .10     100
3163        RK    3100   .0048     .06     .23    TRAP       0      35
3164        RK   10000   .0048     .05            TRAP      10      30

3165        KK    C119
3166        KM        ROUTE FLOW FROM C118 TO C119.
3167        RM       1    2.74      .2

3168        KK    C119
3169        KM        ADD HYDROGRAPHS AT C119.
3170        HC       2

3171        KK     C46
3172        KM        RETURN DIVERTED FLOW AT C46.
3173        DR   DIV46

3174        KK   C117A
3175        KM        ROUTE FLOW FROM C46 TO C117A.
3176        RM       1    2.25      .2

3177        KK    117A
3178        KM        RUNOFF FROM SUBWATERSHED 117A.
3179        BA    1.72
3180        LS              77
3181        UK     200    .012     .12     100
3182        RK   10500   .0069     .07     .42    TRAP       0      20
3183        RK   24000   .0069     .05            TRAP      25      15
```

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

3184          KK   C117A
3185          KM        ADD HYDROGRAPHS AT C117A.
3186          HC       2

3187          KK     C47
3188          KM        RETURN DIVERTED FLOW AT C47.
3189          DR   DIV47

3190          KK   C117D
3191          KM        ROUTE FLOW FROM C47 TO C117D.
3192          RM       1    1.31      .2

3193          KK    117D
3194          KM        RUNOFF FROM SUBWATERSHED 117D.
3195          BA     .55
3196          LS              77
3197          UK     200    .012     .10     100
3198          RK    3000   .0086     .07     .14    TRAP      0     20
3199          RK   14000   .0086     .05     .55    TRAP     25     15

3200          KK   C117D
3201          KM        ADD HYDROGRAPHS AT C117D.
3202          HC       2

3203          KK   C117A
3204          KM        ROUTE FLOW AT C117D TO C117A.
3205          RM       1     .79      .2

3206          KK   C117A
3207          KM        ADD HYDROGRAPHS AT C117A.
3208          HC       2

3209          KK     C48
3210          KM        RETURN DIVERTED FLOW AT C48.
3211          DR   DIV48

3212          KK   C117F
3213          KM        ROUTE FLOW FROM C48 TO C117F.
3214          RM       1     .67      .2

3215          KK    117F
3216          KM        RUNOFF FROM SUBWATERSHED 117F.
3217          BA     .36
3218          LS              77
3219          UK     200    .012     .10     100
3220          RK    3200   .0097     .07     .09    TRAP      0     20
3221          RK    7200   .0097     .05     .36    TRAP     25     15

3222          KK   C117F
3223          KM        ADD HYDROGRAPHS AT C117F.
3224          HC       2
```

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

3225          KK    C49
3226          KM        RETURN DIVERTED FLOW AT C49.
3227          DR   DIV49

3228          KK   C117G
3229          KM        ROUTE DIVERTED FLOW AT C49 TO C117G.
3230          RM      1     .74      .2

3231          KK    117G
3232          KM        RUNOFF FROM SUBWATERSHED 117G.
3233          BA     .27
3234          LS              77
3235          UK     200    .012     .10     100
3236          RK    2500   .0087     .07     .07    TRAP      0      20
3237          RK    8000   .0087     .05     .27    TRAP     25      15

3238          KK   C117G
3239          KM        ADD HYDROGRAPHS AT C117G.
3240          HC      2

3241          KK   C117F
3242          KM        ADD HYDROGRAPHS AT C117F.
3243          HC      2

3244          KK   C117E
3245          KM        ROUTE FLOW FROM C117F TO C117E.
3246          RM      1     .56      .2

3247          KK    117E
3248          KM        RUNOFF FROM SUBWATERSHED 117E.
3249          BA     .40
3250          LS              77
3251          UK     200    .012     .10     100
3252          RK    4500   .0098     .07     .10              0      20
3253          RK    8200   .0098     .05     .40             25      15

3254          KK   C117E
3255          KM        ADD HYDROGRAPHS AT C117E.
3256          HC      2

3257          KK   C117B
3258          KM        ROUTE FLOW AT C117E TO C117B.
3259          RM      1     .66      .2

3260          KK    117B
3261          KM        RUNOFF FROM SUBWATERSHED 117B.
3262          BA     .37
3263          LS              77
3264          UK     200    .012     .10     100
3265          RK    3000   .0053     .07     .10                      20
3266          RK    8500   .0053     .05     .37             25      15
```

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

3267        KK   C117B
3268        KM        ADD HYDROGRAPHS AT C117B.
3269        HC       2

3270        KK   C117A
3271        KM        ADD HYDROGRAPHS AT C117A.
3272        HC       2

3273        KK    C50A
3274        KM        RETURN DIVERTED FLOW AT C50A.
3275        KM        THIS IS THE DIVERTED DISCHARGE THROUGH THE 72" PIPE OVERCHUTE AT C50.
3276        DR  DIV50A

3277        KK   C117C
3278        KM        ROUTE DIVERTED FLOW AT C50A TO C117C.
3279        RM       1    1.88      .2

3280        KK    117C
3281        KM        RUNOFF FROM SUBWATERSHED 117C.
3282        BA    1.47
3283        LS              77
3284        UK     200    .012     .10     100
3285        RK    8000   .0090     .07     .37                      20
3286        RK   18900   .0090     .05    1.47             25       15

3287        KK   C117C
3288        KM        ADD HYDROGRAPHS AT C117C.
3289        HC       2

3290        KK   C117A
3291        KM        ADD HYDROGRAPHS AT C117A.
3292        HC       2

3293        KK    C117
3294        KM        ROUTE FLOW FROM C117A TO C117.
3295        RM       1     .40      .2

3296        KK     117
3297        KM        RUNOFF FROM SUBWATERSHED 117.
3298        BA     .94
3299        LS       0      77       0
3300        UK     200    .012     .10     100
3301        RK    3500   .0083     .07     .24    TRAP      0       20
3302        RK   12000   .0083     .05     .94    TRAP     15       15

3303        KK    C117
3304        KM        ADD HYDROGRAPHS AT C117.
3305        HC       2
```

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


3306          KK    C120
3307          KM       ROUTE FLOW AT C117 TO C120.
3308          RM      1     .17      .2

3309          KK     51
3310          KM       RUNOFF FROM SUBWATERSHED 51.
3311          BA    .48
3312          LS             72
3313          UK    200    .020     .12     100
3314          RK   2200   .0122     .05     .16    TRAP            20
3315          RK  10500   .0122     .05            TRAP     10     15

3316          KK    52A
3317          KM       RUNOFF FROM SUBWATERSHED 52A.
3318          BA   4.32
3319          LS             86
3320          UI      0    211     637    1367    1995    2307    2202    1619    1268    1069
3321          UI    763    622     512     471     382     289     231     143     135      99
3322          UI     75     71      68      62      34      33      32      30       0       0

3323          KK    C52
3324          KM       ROUTE FLOW FROM C52A TO C52.
3325          RM      1    1.65      .2

3326          KK    52B
3327          KM       RUNOFF FROM SUBWATERSHED 52B.
3328          BA   4.92
3329          LS             85
3330          UI      0    275     921    1963    2628    2875    2346    1761    1439     971
3331          UI    799    639     583     444     354     230     173     152      95      90
3332          UI     85     78      43      41      39      25       0       0       0       0

3333          KK   C52C
3334          KM       ROUTE FLOW FROM C52B TO C52C.
3335          RM      1     .07      .2

3336          KK    52C
3337          KM       RUNOFF FROM SUBWATERSHED 52C.
3338          BA   5.77
3339          LS             85
3340          UI      0    159     372     735    1236    1759    1956    2153    2153    1782
3341          UI   1478   1233    1057     946     717     667     503     476     449     425
3342          UI    335    273     260     185     134     129     139      74      71      69
3343          UI     66     64      62      53      32      31      30      30      29      17
3344          UI      0      0       0       0       0       0       0       0       0       0

3345          KK   C52C
3346          KM       ADD HYDROGRAPHS AT C52C.
3347          HC      2
```

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

3348        KK    C52C
3349        KM       ROUTE FLOW FROM C52C TO C52.
3350        RM       1     .73      .2

3351        KK      52
3352        KM       RUNOFF FROM SUBWATERSHED 52.
3353        BA    5.93
3354        LS             79
3355        UK     300    .025     .12     100
3356        RK   10000   .0146     .05     .45    TRAP             15
3357        RK   43000   .0146     .05            TRAP     75      15

3358        KK     C52
3359        KM       ADD HYDROGRAPHS AT C52.
3360        HC       3

3361        KK      53
3362        KM       RUNOFF FROM SUBWATERSHED 53.
3363        BA    1.64
3364        LS             82
3365        UI       0      57     116     161     268     357     518     651     792     963
3366        UI    1038     981    1114    1114    1114    1114     904     806     760     724
3367        UI     590     562     535     567     390     374     359     346     297     261
3368        UI     252     244     236     229     222     216     183     145     141     138
3369        UI     134     133      72      70      69      67      66      64      68      38
3370        UI      37      37      36      35      35      34      33      33      32      45
3371        UI      17      17      17      16      16      16      16      15      15      15
3372        UI      15      10       0       0       0       0       0       0       0       0

3373        KK     C50
3374        KM       RETURN DIVERT AT C50.
3375        DR   DIV50

3376        KK     C53
3377        KM       ADD HYDROGRAPHS AT C53.
3378        HC       4

3379        KK     C53
3380        KM       STORAGE ROUTE THROUGH C53.  THIS IS THE TOTAL STORAGE DISCHARGE TABLE
3381        KM       BEHIND THE CAP THAT INCLUDES AREAS 51-53.
3382        RS       1    STOR       0       0
3383        SV    13.2   25.54  243.82  682.14 1332.76 1768.96
3384        SQ       0      66    1289    2760    3690    4085
3385        SE  1538.8    1540    1544    1548    1552    1554

3386        KK     C51
3387        KM       DIVERT FLOW AT C53 TO C51.  72" CONCRETE OVERCHUTE ON CAP.
3388        DT   DIV51
3389        DI       0      66    1289    2760    3690    4085
3390        DQ       0       0      80     260     390     430
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3391          KK   C52P1
3392          KM        DIVERT FLOW AT C53 TO C52P1.  4-72" CONCRETE OVERCHUTES ON CAP.
3393          DT  DI52P1
3394          DI      0      66    1209    2500    3300    3655
3395          DQ      0      32     579    1240    1640    1800

3396          KK   C52P2
3397          KM        DIVERT FLOW AT C53 TO C52P2.  72" CONCRETE OVERCHUTE ON CAP.
3398          DT  DI52P2
3399          DI      0      34     630    1260    1660    1855
3400          DQ      0      10     150     315     415     460

3401          KK    C53
3402          KM         DIVERT REMAINDER OF FLOW AT C53.  3-72" CONCRETE OVERCHUTES ON CAP.
3403          KM        THIS IS THE SAME SITUATION AS DESCRIBED ABOVE AT THE DIVERT OF C50A.
3404          KM        THE REMAINING HYDROGRAPH IS ZERO, THUS IT WILL BE ADDED IN THE FOLLOWING
3405          KM        OPERATION WITHOUT CHANGING THE DISCHARGE EVEN THOUGH THIS IS AN INCOR-
3406          KM        RECT CONCENTRATION POINT FOR THE FLOW.  THE ACTUAL FLOW IS DIVERTED TO
3407          KM        THE CORRECT CONCENTRATION POINT AND ADDED IN AT C123.
3408          DT   DIV53
3409          DI      0      24     480     945    1245    1395
3410          DQ      0      24     480     945    1245    1395

3411          KK    C51
3412          KM        RETURN DIVERTED FLOW AT C51.
3413          DR   DIV51

3414          KK   C120
3415          KM        ROUTE DIVERTED FLOW AT C51 TO C120.
3416          RM      1    2.16      .2

3417          KK   C120
3418          KM        ADD HYDROGRAPHS AT C120.
3419          HC      2

3420          KK    120
3421          KM        RUNOFF FROM SUBWATERSHED 120.
3422          BA   2.22
3423          LS      0      78       0
3424          UK    200    .011     .12     100
3425          RK   3000   .0084     .07     .22    TRAP       0      15
3426          RK  23000   .0084     .05            TRAP      15      10

3427          KK   C120
3428          KM        ADD HYDROGRAPHS AT C120.
3429          HC      3

3430          KK   C120
3431          KM        STORAGE ROUTE THROUGH C120. 105' WIDE SIPHON ON THE BEARDSLEY CANAL.
3432          RS      1    STOR       0       0
3433          SV      0    2.57   30.26
3434          SQ      0     893    4410
3435          SE   1334    1336    1340
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

3436        KK   C119
3437        KM       ROUTE FLOW AT C120 TO C119.
3438        RM      1     .17      .2

3439        KK   C119
3440        KM       ADD HYDROGRAPHS AT C119.
3441        HC      2

3442        KK    119
3443        KM       RUNOFF FROM SUBWATERSHED 119.
3444        BA    .96
3445        LS      0      77       0
3446        UK    200    .011     .12     100
3447        RK   1400   .0084     .06     .08    TRAP       0      10
3448        RK  10500   .0009     .03            TRAP      90      35

3449        KK   C119
3450        KM       ADD HYDROGRAPHS AT C119.
3451        HC      2

3452        KK   C121
3453        KM       ROUTE FLOW FROM C119 TO C121.
3454        RM      1     .47      .2

3455        KK  C52P1
3456        KM       RETURN DIVERT AT C52P1.
3457        DR  DI52P1

3458        KK  C124A
3459        KM       ROUTE DIVERTED FLOW AT C52P1 TO C124A.
3460        RM      1     .60      .2

3461        KK   124A
3462        KM       RUNOFF FROM SUBWATERSHED 124A.
3463        BA   1.31
3464        LS              73
3465        UK    200    .015     .10     100
3466        RK   5500   .0118     .06     .14                      10
3467        RK  10400   .0103     .05    1.31             30      10

3468        KK  C124A
3469        KM       ADD HYDROGRAPHS AT C124A.
3470        HC      2

3471        KK   C124
3472        KM       ROUTE FLOW FROM C124A TO C124.
3473        RM      1     .26      .2

3474        KK  C52P2
3475        KM       RETURN DIVERTED FLOW AT C52P2.
3476        DR  DI52P2
```

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

3477          KK   C124B
3478          KM        ROUTE FLOW AT C52P2 TO C124B.
3479          RM       1    1.07      .2

3480          KK    124B
3481          KM        RUNOFF FROM SUBWATERSHED 124B.
3482          BA     .90
3483          LS              72
3484          UK     200    .014     .10     100
3485          RK    3800   .0105     .05     .14                      10
3486          RK   12400   .0105     .05     .90                      15

3487          KK   C124B
3488          KM        ADD HYDROGRAPHS AT C124B.
3489          HC       2

3490          KK    C124
3491          KM        ROUTE FLOW FROM C124B TO C124.
3492          RM       1     .11      .2

3493          KK     124
3494          KM        RUNOFF FROM SUBWATERSHED 124.
3495          BA     .86
3496          LS              74
3497          UK     200    .015     .10     100
3498          RK    4300   .0086     .05     .10                      10
3499          RK   11000   .0086     .05     .86             30        5

3500          KK    C124
3501          KM        ADD HYDROGRAPHS AT C124.
3502          HC       3

3503          KK    C124
3504          KM        STORAGE ROUTE THROUGH LAKE BONITA.
3505          RS       1    ELEV    1411       0
3506          SV       0   40.76   125.9  236.89  286.63  355.56  424.29  493.42  562.35  604.92
3507          SQ       0       0       0       0     311    1120    2500    5210    9613   13695
3508          SE    1400    1404    1408    1411    1412    1413    1414    1415    1416  1416.5

3509          KK    C123
3510          KM        ROUTE FLOW AT C124 TO C123.
3511          RM       1     .59      .2

3512          KK     C53
3513          KM         RETURN DIVERTED FLOW AT C53.
3514          KM        THIS IS THE REMAINGING DIVERTED FLOW THROUGH THE PIPE OVERCHUTE AT C53,
3515          KM        AND IT WILL BE ROUTED TO THE CORRECT CONCENTRATION POINT AT C123.
3516          DR   DIV53
```

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

3517          KK   C123B
3518          KM        ROUTE DIVERTED FLOW AT C53 TO C123B.
3519          RM       1     .33      .2

3520          KK   C123B
3521          KM        RUNOFF FROM SUBWATERSHED 123B.
3522          BA     .25
3523          LS              76
3524          UK     350    .014     .10     100
3525          RK    5500   .0136     .05     .25              40      10

3526          KK   C123B
3527          KM        ADD HYDROGRAPHS AT C123B.
3528          HC       2

3529          KK      54
3530          KM        RUNOFF FROM SUBWATERSHED 54.
3531          BA     .85
3532          LS              81
3533          UI       0      94     236     486     797    1096    1116    1186    1011     811
3534          UI     657     569     464     380     309     266     249     234     177     149
3535          UI     140      75      72      69      53      39      38      36      35      37
3536          UI      18      17      17      16      16       7       0       0       0       0

3537          KK     C54
3538          KM        STORAGE ROUTE THROUGH C54.  72" CONCRETE OVERCHUTE ON CAP.
3539          RS       1    STOR       0       0
3540          SV       0   11.77   32.99   84.19  209.89  316.48
3541          SQ       0     240     395     465     520     550
3542          SE  1516.1    1524    1528    1532    1536    1538

3543          KK   C123C
3544          KM        ROUTE FLOW AT C54 TO C123C.
3545          RM       1     .43      .2

3546          KK    123C
3547          KM        RUNOFF FROM SUBWATERSHED 123C.
3548          BA     .25
3549          LS              79
3550          UK     350    .014     .10     100
3551          RK    5000   .0110     .05     .25              30      10

3552          KK   C123C
3553          KM        ADD HYDROGRAPHS AT C123C.
3554          HC       2

3555          KK   C123B
3556          KM        ADD HYDROGRAPHS AT C123B.
3557          HC       2
```

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


3558          KK   C123A
3559          KM        ROUTE FLOW FROM C123B TO C123A.
3560          RM       1     .71      .2

3561          KK    123A
3562          KM        RUNOFF FROM SUBWATERSHED 123A.
3563          BA     .94
3564          LS              76
3565          UK     200    .014     .10     100
3566          RK    5100   .0105     .05     .22                     15
3567          RK   12400   .0105     .05     .94             40      10

3568          KK   C123A
3569          KM        ADD HYDROGRAPHS AT C123A.
3570          HC       2

3571          KK    C123
3572          KM        ROUTE FLOW FROM C123A TO C123.
3573          RM       1     .61      .2

3574          KK     123
3575          KM        RUNOFF FROM SUBWATERSHED 123.
3576          BA    3.98
3577          LS       0      79       0
3578          UK     250    .011     .11     100
3579          RK    4400    .008     .06     .26    TRAP      0      15
3580          RK   23500    .008     .05            TRAP     40      10

3581          KK    C123
3582          KM        ADD HYDROGRAPHS AT C123.
3583          HC       2

3584          KK    C123
3585          KM        ADD HYDROGRAPHS AT C123.
3586          HC       2

3587          KK    C123
3588          KM        STORAGE ROUTE THROUGH C123.  50' WIDE SIPHON ON THE BEARDSLEY CANAL.
3589          RS       1    STOR       0       0
3590          SV       0   34.78  148.48     190
3591          SQ       0     493    1392    8712
3592          SE    1338    1340    1342    1343

3593          KK    C121
3594          KM        ROUTE FLOW FROM C123 TO C121.
3595          RM       1     .21      .2

3596          KK    C121
3597          KM        ADD HYDROGRAPHS AT C121.
3598          HC       2
```

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

3599        KK     121
3600        KM        RUNOFF FROM SUBWATERSHED 121.
3601        BA     .55
3602        LS       0      77       0
3603        UK     250    .011     .11     100
3604        RK    2300   .0083     .05     .14    TRAP       0      10
3605        RK    4900   .0008     .03            TRAP      80      40

3606        KK    C121
3607        KM        ADD HYDROGRAPHS AT C121.
3608        HC       2

3609        KK    C122
3610        KM        ROUTE FLOW AT C121 TO C122.
3611        RM       1     .69      .2

3612        KK     122
3613        KM        RUNOFF FROM SUBWATERSHED 122.
3614        BA    1.10
3615        LS       0      77       0
3616        UK     200    .011     .11     100
3617        RK    3900   .0083     .05     .16    TRAP       0      15
3618        RK    7700   .0008     .02            TRAP      70      25

3619        KK    C122
3620        KM        ADD HYDROGRAPHS AT C122.
3621        HC       2

3622        KK    C132
3623        KM        ROUTE FLOW AT C122 TO C132.
3624        RM       1     .44      .2

3625        KK      55
3626        KM        RUNOFF FROM SUBWATERSHED 55.
3627        BA    3.27
3628        LS              84
3629        UI       0      90     162     246     391     565     779     979    1228    1344
3630        UI    1308    1468    1468    1468    1403    1097    1026     964     825     744
3631        UI     706     723     510     487     467     447     340     336     324     313
3632        UI     302     292     305     195     189     184     179     174     114      93
3633        UI      90      88      86      84      75      50      49      48      47      46
3634        UI      45      44      43      42      50      23      22      22      21      21
3635        UI      21      20      20      20      19       4       0       0       0       0

3636        KK     C55
3637        KM        STORAGE ROUTE THROUGH C55.  4-84" CONCRETE OVERCHUTES ON CAP.
3638        RS       1    STOR       0       0
3639        SV       0    3.03    5.45   19.99   64.79
3640        SQ       0    2260    2740    3160    3600
3641        SE  1510.5    1524    1528    1532    1536
```

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

3642        KK   C127A
3643        KM        ROUTE FLOW FROM C55 TO C127A.
3644        RM       1     .43      .2

3645        KK    127A
3646        KM        RUNOFF FROM SUBWATERSHED 127A.
3647        BA     .61
3648        LS             82
3649        UK     200    .015     .10     100
3650        RK    4100   .0097     .07     .15                    10
3651        RK    8800   .0097     .05     .61             50      5

3652        KK   C127A
3653        KM        ADD HYDROGRAPHS AT C127A.
3654        HC       2

3655        KK      56
3656        KM        RUNOFF FROM SUBWATERSHED 56.
3657        BA     .48
3658        LS             86
3659        UI       0     101     346     725     935     991     709     542     428     316
3660        UI     230     208     173     124      90      60      54      33      31      29
3661        UI      24      15      14      13       3       0       0       0       0       0

3662        KK     C56
3663        KM        STORAGE ROUTE THROUGH C56.  72" CONCRETE OVERCHUTE ON CAP.
3664        RS       1    STOR       0       0
3665        SV       0    5.66   22.86   44.38    93.0  175.78
3666        SQ       0     260     460     550     620     700
3667        SE  1512.5    1520    1528    1532    1536    1540

3668        KK    127B
3669        KM        ROUTE FLOW AT C56 TO C127B.
3670        RM       1     .38      .2

3671        KK    127B
3672        KM        RUNOFF FROM SUBWATERSHED 127B.
3673        BA     .25
3674        LS             84
3675        UK     200    .015     .10     100
3676        RK    5600   .0161     .07     .25             30      5

3677        KK   C127B
3678        KM        ADD HYDROGRAPHS AT C127B.
3679        HC       2

3680        KK   C127A
3681        KM        ADD HYDROGRAPHS AT C127A.
3682        HC       2
```

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

3683          KK    C127
3684          KM        ROUTE FLOW FROM C127A TO C127.
3685          RM       1     .48      .2

3686          KK     127
3687          KM        RUNOFF FROM SUBWATERSHED 127.
3688          BA    2.44
3689          LS       0      82       0
3690          UK     300     .02     .12     100
3691          RK    4800   .0109     .07     .20    TRAP       0      10
3692          RK   15800   .0109     .05            TRAP      50       5

3693          KK    C127
3694          KM        ADD HYDROGRAPHS AT C127.
3695          HC       2

3696          KK     126
3697          KM        RUNOFF FROM SUBWATERSHED 126.
3698          BA    1.67
3699          LS       0      80       0
3700          UI       0      45      90     123     177     251     323     444     540     641
3701          UI     747     865     918     823     958     958     958     958     958     732
3702          UI     694     660     630     567     499     478     460     442     417     327
3703          UI     316     306     296     258     226     220     214     208     202     197
3704          UI     192     187     188     127     124     121     119     116     114      91
3705          UI      61      60      59      58      57      56      55      56      33      32
3706          UI      32      31      31      30      30      29      29      28      28      27
3707          UI      39      15      15      14      14      14      14      14      13      13
3708          UI      13      13      13      13       9       0       0       0       0       0

3709          KK    C127
3710          KM        ADD HYDROGRAPHS AT C127.
3711          HC       2

3712          KK    C125
3713          KM        ROUTE FLOW AT C127 TO C125.
3714          RM       1     .10      .2

3715          KK     125
3716          KM        RUNOFF FROM SUBWATERSHED 125.
3717          BA    1.47
3718          LS       0      80       0
3719          UK     200     .015     .12     100
3720          RK    2800   .0081     .07     .20    TRAP       0      10
3721          RK   11200   .0081     .05            TRAP      25       5

3722          KK    C125
3723          KM        ADD HYDROGRAPHS AT C125.
3724          HC       2
```

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

3725        KK    C125
3726        KM        STORAGE ROUTE THROUGH C125.  55' WIDE SIPHON ON THE BEARDSLEY CANAL.
3727        RS       1    STOR       0       0
3728        SV       0    5.96   37.64   74.71
3729        SQ       0    1320    3575    4950
3730        SE    1332    1336    1340    1342

3731        KK    C132
3732        KM        ROUTE FLOW AT C125 TO C132.
3733        RM       1     .81      .2

3734        KK     131
3735        KM        RUNOFF FROM SUBWATERSHED 131.
3736        BA     .59
3737        LS       0      77       0
3738        UK     350    .007     .11     100
3739        RK    2900   .0038     .06     .15    TRAP       0      25
3740        RK    7400   .0038     .05            TRAP      15      20

3741        KK    C132
3742        KM        ROUTE FLOW FROM C131 TO C132.
3743        RM       1     .54      .2

3744        KK    C132
3745        KM        ADD HYDROGRAPHS AT C132.
3746        HC       3

3747        KK     132
3748        KM        RUNOFF FROM SUBWATERSHED 132.
3749        BA    1.23
3750        LS       0      78       0
3751        UK     250     .01     .12     100
3752        RK    3600   .0061     .06     .31    TRAP       0      20
3753        RK   14500   .0061     .05            TRAP      50      15

3754        KK    C132
3755        KM        ADD HYDROGRAPHS AT C132
3756        HC       2

3757        KK     133
3758        KM        RUNOFF FROM SUBWATERSHED 133.
3759        BA    1.20
3760        LS       0      87       0
3761        UK     250     .01     .11     100
3762        RK    4000   .0074     .06     .40    TRAP       0      20
3763        RK   12500   .0074     .05            TRAP      10      15

3764        KK    C132
3765        KM        ADD HYDROGRAPHS AT C132.
3766        HC       2
```

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

3767          KK    C134
3768          KM       ROUTE FLOW FROM C132 TO C134.
3769          RM      1     .33      .2

3770          KK     128
3771          KM       RUNOFF FROM SUBWATERSHED 128.
3772          BA    .82
3773          LS      0      77       0
3774          UK    250     .01     .10     100
3775          RK   2100   .0063     .06     .27    TRAP      0      15
3776          RK   6000   .0063     .05            TRAP     10      20

3777          KK    C129
3778          KM       ROUTE FLOW FROM C128 TO C129.
3779          RM      1     .82      .2

3780          KK     129
3781          KM       RUNOFF FROM SUBWATERSHED 129.
3782          BA   1.66
3783          LS      0      77       0
3784          UK    350    .008     .12     100
3785          RK   3200   .0053     .06     .28    TRAP      0      20
3786          RK   9900   .0053     .05            TRAP     10      20

3787          KK    C129
3788          KM       ADD HYDROGRAPHS AT C129.
3789          HC      2

3790          KK    C130
3791          KM       ROUTE FLOW FROM C129 TO C130.
3792          RM      1     .62      .2

3793          KK     130
3794          KM       RUNOFF FROM SUBWATERSHED 130.
3795          BA   1.61
3796          LS      0      78       0
3797          UK    300    .006     .14     100
3798          RK   3200    .003     .06     .32    TRAP      0      20
3799          RK  14700    .003     .02            TRAP     40       3

3800          KK    C130
3801          KM       ADD HYDROGRAPHS AT C130.
3802          HC      2

3803          KK    C134
3804          KM       ROUTE FLOW FROM C130 TO C134.
3805          RM      1     .46      .2

3806          KK    C134
3807          KM       ADD HYDROGRAPHS AT C134.
3808          HC      2
```

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


3809          KK     134
3810          KM        RUNOFF FROM SUBWATERSHED 134.
3811          BA    .77
3812          LS      0      86       0
3813          UK    200    .008     .10     100
3814          RK   2700   .0054     .05     .25    TRAP       0      20
3815          RK  10500   .0054     .02            TRAP     180       3

3816          KK    C134
3817          KM        ADD HYDROGRAPHS AT C134.
3818          HC      2
3819          ZZ
```

SCHEMATIC DIAGRAM OF STREAM NETWORK

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

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

  32          1
              V
              V
  43         C1
              V
              V
  49       C62L
              .
              .
  52          .        62L
              .          .
              .          .
  59       C62L............
              V
              V
  62       C62I
              .
              .
  65          .        62I
              .          .
              .          .
  72       C62I............
              V
              V
  75       C62H
              .
              .
  78          .        62H
              .          .
              .          .
  85          .          .        62J
              .          .          .
              .          .          .
  92       C62H......................
              V
              V
  95       C62K
              .
              .
  98          .          2
              .          V
              .          V
 104          .         C2
              .          V
              .          V
 110          .       C62M
              .          .
              .          .
 113          .          .        62M
              .          .          .
              .          .          .
 120                  C62M
```

```
          .          V
          .          V
123       .        C62K
          .          .
          .          .
126       .          .          3
          .          .          V
          .          .          V
132       .          .         C3
          .          .          V
          .          .          V
138       .          .       C62K
          .          .          .
          .          .          .
141       .          .          .          4
          .          .          .          V
          .          .          .          V
148       .          .          .         C4
          .          .          .          .
          .          .          .          .
156       .          .          .          .-------)    DIV4
154       .          .          .         C4
          .          .          .          V
          .          .          .          V
159       .          .          .        C62K
          .          .          .          .
          .          .          .          .
164       .          .          .          .          .(-------    DIV4
162       .          .          .          .         C4
          .          .          .          .          V
          .          .          .          .          V
165       .          .          .          .         C5
          .          .          .          .          .
          .          .          .          .          .
168       .          .          .          .          .          5
          .          .          .          .          .          .
          .          .          .          .          .          .
174       .          .          .          .         C5............
          .          .          .          .          V
          .          .          .          .          V
177       .          .          .          .         C5
          .          .          .          .          .
          .          .          .          .          .
185       .          .          .          .          .-------)    DIV5
183       .          .          .          .         C5
          .          .          .          .          V
          .          .          .          .          V
188       .          .          .          .       C62K
          .          .          .          .          .
          .          .          .          .          .
191     C62K.............................................
          .
          .
196       .          .(-------    DIV5
194       .         C5
          .          V
          .          V
197       .         C6
          .          .
          .          .
200       .          .          6
          .          .          .
          .          .          .
206       .         C6............
          .          V
          .          V
```

```
209        .        C6
           .         .
           .         .
217        .         .-------)   DIV6
215        .        C6
           .         V
           .         V
220        .       C62K
           .         .
           .         .
225        .         .         .(-------   DIV6
223        .         .        C6
           .         .         V
           .         .         V
226        .         .        C7
           .         .         .
           .         .         .
229        .         .         .          7
           .         .         .          .
           .         .         .          .
235        .         .        C7............
           .         .         V
           .         .         V
238        .         .        C7
           .         .         .
           .         .         .
246        .         .         .-------)   DIV7
244        .         .        C7
           .         .         V
           .         .         V
249        .         .       C62K
           .         .         .
           .         .         .
252        .         .         .        62K
           .         .         .          .
           .         .         .          .
259      C62K...................................
           V
           V
262      C626
           .
           .
267        .         .(-------   DIV7
265        .        C7
           .         V
           .         V
268        .        C8
           .         .
           .         .
271        .         .         8
           .         .         .
           .         .         .
277        .        C8............
           .         V
           .         V
280        .        C8
           .         .
           .         .
288        .         .-------)   DIV8
286        .        C8
           .         V
           .         V
291        .       C626
           .         .
           .         .
296                            (-------   DIV8
```

```
294        .         .        C9
           .         .         V
           .         .         V
297        .         .        C9
           .         .         .
           .         .         .
300        .         .         .          9
           .         .         .          .
           .         .         .          .
306        .         .        C9............
           .         .         V
           .         .         V
309        .         .        C9
           .         .         .
           .         .         .
317        .         .         .-------}    DIV9
315        .         .        C9
           .         .         V
           .         .         V
320        .         .       C62G
           .         .         .
           .         .         .
323        .         .         .        62G
           .         .         .          .
           .         .         .          .
330      C62G...............................
           V
           V
333      C62E
           .
           .
336        .        62E
           .         .
           .         .
343      C62E............
           .
           .
346        .        10A
           .         V
           .         V
354        .        C10
           .         .
           .         .
359        .         .         .(-------    DIV9
357        .         .        C9
           .         .         V
           .         .         V
360        .         .       C10
           .         .         .
           .         .         .
363        .         .         .         10
           .         .         .          .
           .         .         .          .
370        .       C10......................
           .         V
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1946  .      .       .    C40E
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       .       .       .        .
2878   .       .    C110............
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       .       .       .
2883   .       .       .        .(-------  DIV109
2881   .       .       .     C109
       .       .       .        V
       .       .       .        V
[illegible]84 .       .       .     C110
       .       .       .        .
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2887   .       .    C110............
       .       .       V
       .       .       V
2890   .       .    C110
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2898   .        .        .-------> DIV110
2896   .        .     C110
       .        .       V
       .        .       V
2901   .        .     C101
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2904   .        .       .       101
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2911   .        .     C101............
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2916   .        .       .         .<------- DIV110
2914   .        .       .     C110
       .        .       .       V
       .        .       .       V
2917   .        .       .     C111
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2920   .        .       .       .       111
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2927   .        .       .     C111............
       .        .       .       V
       .        .       .       V
2930   .        .       .     C111
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2939   .        .       .       .-------> DIV111
2936   .        .       .     C111
       .        .       .       V
       .        .       .       V
2941   .        .       .     C101
       .        .       .       .
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2944   .        .     C101............
       .        .       .
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2949   .        .       .       .<------- DIV111
2947   .        .       .     C111
       .        .       .       V
       .        .       .       V
2950   .        .       .     C112
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2953   .        .       .       .       112
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2960   .        .       .     C112............
       .        .       .       V
       .        .       .       V
2963   .        .       .     C112
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2972   .        .       .       .-------> DIV112
2970   .        .       .     C112
       .        .       .       V
       .        .       .       V
2975   .        .       .     C101
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2978   .        .     C101............
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2983                           .<------- DIV112
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2981          .         .         .       C112
              .         .         .         V
              .         .         .         V
2984          .         .         .       C113
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[illegible]87 .         .         .         .        113
              .         .         .         .          .
              .         .         .         .          .
2994          .         .         .       C113............
              .         .         .         V
              .         .         .         V
2997          .         .         .       C113
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3006          .         .         .         .--------)  DIV113
3004          .         .         .       C113
              .         .         .         V
              .         .         .         V
3009          .         .         .       C101
              .         .         .         .
              .         .         .         .
3012          .         .       C101............
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3017          .         .         .         .(-------- DIV113
3015          .         .         .       C113
              .         .         .         V
              .         .         .         V
3018          .         .         .       C114
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[illegible]21 .         .         .         .        114
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3027          .         .         .       C114............
              .         .         .         V
              .         .         .         V
3030          .         .         .       C114
              .         .         .         .
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3038          .         .         .         .--------)  DIV114
3036          .         .         .       C114
              .         .         .         V
              .         .         .         V
3041          .         .         .       C101
              .         .         .         .
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3044          .         .       C101............
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3047          .         .       C97
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3050          .       C97............
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[illegible]53 .         .         99
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3060        C97........................
              V
              V
3063        C97
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3073          .-------)  DIV97
3071        C97
              V
              V
3076       C119
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3081          .          .(-------  DIV114
3079          .       C114
              .          V
              .          V
3082          .       C115
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3085          .          .        115
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3091          .       C115............
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              .          V
3094          .       C115
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              .          .
3102          .          .-------)  DIV115
3100          .       C115
              .          V
              .          V
3105          .       C103
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3110          .          .          .(-------   DIV97
3108          .          .        C97
              .          .          V
              .          .          V
3111          .          .       C103
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3114          .       C103............
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3117          .          .        103
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3124          .       C103............
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              .          V
3127          .       C119
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3132          .          .          .(-------  DIV115
3130          .          .       C115
              .          .          V
              .          .          V
3133          .          .       C116
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3136          .          .          .        116
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3143          .          .       C116............
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3146          .          .       C116
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3152                              C119
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3155    C119.......................
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3158    .        119
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        .         V
3165    .       C119
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3168    C119............
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3173    .         .(-------   DIV46
3171    .       C46
        .         V
        .         V
3174    .      C117A
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3177    .         .       117A
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3184    .      C117A............
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3189    .         .         .(-------   DIV47
3187    .         .       C47
        .         .         V
        .         .         V
3190    .         .      C117D
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3193    .         .         .       117D
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3200    .         .      C117D............
        .         .         V
        .         .         V
3203    .         .      C117A
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3206    .      C117A............
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3211    .         .         .(-------   DIV48
3209    .         .       C48
        .         .         V
        .         .         V
3212    .         .      C117F
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3215    .         .         .       117F
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3222    .         .      C117F............
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3227    .         .         .         .(-------   DIV49
3225    .         .         .       C49
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3228    .         .         .      C117G
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3231    .       .       .       .       117G
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3238    .       .       .     C117G............
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[illegible]1    .       .   C117F............
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3244    .       .   C117E
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3247    .       .       .     117E
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3254    .       .   C117E............
        .       .         V
        .       .         V
3257    .       .   C117B
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3260    .       .       .     117B
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3267    .       .   C117B............
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3270    .   C117A............
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3276    .       .       .(------- DIV50A
[illegible]73   .       .   C50A
        .       .         V
        .       .         V
3277    .       .   C117C
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        .       .       .
3280    .       .       .     117C
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        .       .       .       .
3287    .       .   C117C............
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3290    .   C117A............
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        .       V
3293    .    C117
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3296    .       .     117
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3303    .    C117............
        .       V
        .       V
3306    .    C120
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3309    .       .      51
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3316    .       .       .     52A
        .       .       .      V
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3323    .       .       .     C52
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3326                    528
                         V
                         V
3333                   C52C
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3336                     .        52C
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3345                   C52C...........
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                         V
3348                   C52C
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3351                     .         52
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3358                 C52.......................
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3361                     .         53
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3375                     .          .        .(-------   DIV50
3373                     .          .       C50
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3376               C53.................................
                     V
                     V
379                C53
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3388                 .-------)   DIV51
3386               C51
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3393                 .-------)  DI52P1
3391             C52P1
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3398                 .-------)  DI52P2
3396             C52P2
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3408                 .-------)   DIV53
3401               C53
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3413                 .          .(-------   DIV51
3411                 .        C51
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3414                 .       C120
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3417             C120............
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3420                 .        120
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3427           C120.......................
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3430      .        C120
          .          V
          .          V
3436      .        C119
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3439    C119............
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3442      .         119
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3449    C119............
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          V
3452    C121
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3457      .          .(-------  DI52P1
3455      .       C52P1
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          .          V
3458      .       C124A
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3461      .          .        124A
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3468      .       C124A............
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          .          V
71        .        C124
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3476      .          .          .(-------  DI52P2
3474      .          .       C52P2
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3477      .          .       C124B
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3480      .          .          .        124B
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3487      .          .       C124B............
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3490      .          .        C124
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3493      .          .          .        124
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3500      .        C124........................
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03        .        C124
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          .          V
3509      .        C123
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3516      .          .          .(-------   DIV53
3512      .          .        C53
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3517            .         .      C123B
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3520            .         .         .      C123B
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3526            .         .      C123B............
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3529            .         .         .         54
                .         .         .          V
                .         .         .          V
3537            .         .         .        C54
                .         .         .          V
                .         .         .          V
3543            .         .         .      C123C
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                .         .         .         .
3546            .         .         .         .        123C
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3552            .         .         .      C123C............
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3555            .         .      C123B............
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3558            .         .      C123A
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3561            .         .         .       123A
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3568            .         .      C123A............
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3571            .         .       C123
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3574            .         .         .        123
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3581            .         .       C123............
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3584            .       C123............
                .         V
                .         V
3587            .       C123
                .         V
                .         V
3593            .       C121
                .         .
                .         .
3596          C121............
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3599            .        121
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3606          C121............
                V
                V
3609          C122
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3612      .        122
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3619    C122............
          V
          V
3622    C132
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3625      .         55
          .          V
          .          V
3636      .        C55
          .          V
          .          V
3642      .      C127A
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3645      .          .       127A
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3652      .      C127A............
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3655      .          .         56
          .          .          V
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3662      .          .        C56
          .          .          V
          .          .          V
3668      .          .       127B
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3671      .          .         .       127B
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3677      .          .     C127B............
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3680      .      C127A............
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          .          V
3683      .       C127
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3686      .          .       127
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3693      .       C127............
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3696      .          .       126
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3709      .       C127............
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3712      .       C125
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3715      .          .       125
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3722      .       C125............
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                .          V
3725            .        C125
                .          V
                .          V
3731            .        C132
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3734            .          .        131
                .          .          V
                .          .          V
3741            .          .       C132
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3744         C132.......................
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3747            .        132
                .          .
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3754         C132............
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3757            .        133
                .          .
                .          .
3764         C132............
                V
                V
3767         C134
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3770            .        128
                .          V
                .          V
3777            .        C129
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3780            .          .        129
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3787            .        C129............
                .          V
                .          V
3790            .        C130
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                .          .
3793            .          .        130
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                .          .          .
3800            .        C130............
                .          V
                .          V
3803            .        C134
                .          .
                .          .
3806         C134............
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                .
3809            .        134
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                .          .
3816         C134............
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(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
****************************************
*                                      *
*  FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*           FEBRUARY 1981              *
*          REVISED 14 JUN 85           *
*                                      *
*      RUN DATE: 04/21/1988            *
*          TIME: 18:06:26.56           *
*                                      *
****************************************
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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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WTMN50YR

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 IS THE 50 YEAR MODEL FOR THE STUDY AREA AND INCLUDES STORAGE ROUTING AND DIVERSIONS ALONG THE A.T. & S.F. RAILROAD, THE CAP CANAL, AND THE BEARDSLEY CANAL.

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

   IT        HYDROGRAPH TIME DATA
                   NMIN          3  MINUTES IN COMPUTATION INTERVAL
                  IDATE     26JAN87  STARTING DATE
                  ITIME       1200  STARTING TIME
                     NQ        640  NUMBER OF HYDROGRAPH ORDINATES
                 NDDATE     27JAN87  ENDING DATE
                 NDTIME       1957  ENDING TIME

            COMPUTATION INTERVAL    0.05 HOURS
                 TOTAL TIME BASE   31.95 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

17 JD        INDEX STORM NO. 1
                  STRM       3.72  PRECIPITATION DEPTH
                  TRDA       0.00  TRANSPOSITION DRAINAGE AREA

18 QI          PRECIPITATION PATTERN
```

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

28 JD INDEX STORM NO. 2

STRM 3.68 PRECIPITATION DEPTH

TRDA 10.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

29 JD INDEX STORM NO. 3

STRM 3.53 PRECIPITATION DEPTH

TRDA 50.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06

0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

30 JD INDEX STORM NO. 4

STRM 3.47 PRECIPITATION DEPTH

TRDA 100.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

31 JD INDEX STORM NO. 5

STRM 3.37 PRECIPITATION DEPTH

TRDA 350.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO    13440.
               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      345. TO      588.
               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      707.
               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     7200.
               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     2960.
               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     1680.
               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     3811.
               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     3811.
               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      672.
               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      680.
               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     5737.
               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      338.
               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      990.
               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     2930.
               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     2292.
               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     1714.
               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       30. TO      593.
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            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     3138.
            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     2177.
            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.)
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WTMN50YA.OUT

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	110.	12.15	14.	4.	3.	0.09		
ROUTED TO	C1	53.	12.35	14.	4.	3.	0.09	1972.73	12.35
ROUTED TO	C62L	40.	12.95	14.	4.	3.	0.09		
HYDROGRAPH AT	62L	290.	12.30	51.	16.	12.	0.36		
2 COMBINED AT	C62L	295.	12.30	65.	20.	15.	0.45		
ROUTED TO	C62I	167.	12.85	64.	20.	15.	0.45		
HYDROGRAPH AT	62I	316.	12.60	79.	25.	19.	0.54		
2 COMBINED AT	C62I	467.	12.65	143.	45.	34.	0.99		
ROUTED TO	C62H	345.	13.15	141.	45.	34.	0.99		
HYDROGRAPH AT	62H	333.	12.50	85.	27.	20.	0.55		
HYDROGRAPH AT	62J	327.	12.80	111.	36.	27.	0.88		
3 COMBINED AT	C62H	869.	12.85	334.	107.	81.	2.42		
ROUTED TO	C62K	855.	12.95	333.	107.	81.	2.42		
HYDROGRAPH AT	2	248.	12.45	68.	22.	16.	0.50		
ROUTED TO	C2	243.	12.55	68.	22.	16.	0.50	1968.61	12.60
ROUTED TO	C62M	213.	12.85	68.	22.	16.	0.50		
HYDROGRAPH AT	62M	106.	12.40	23.	7.	6.	0.24		
2 COMBINED AT	C62M	267.	12.75	90.	29.	22.	0.74		
ROUTED TO	C62K	181.	13.55	88.	29.	22.	0.74		
HYDROGRAPH AT	3	230.	12.35	54.	17.	13.	0.35		
ROUTED TO	C3	230.	12.35	54.	17.	13.	0.35	1968.23	12.40
ROUTED TO	C62K	100.	13.25	52.	17.	13.	0.35		
HYDROGRAPH AT	4	281.	12.70	94.	30.	22.	0.65		
ROUTED TO	C4	281.	12.75	93.	30.	22.	0.65	1966.35	12.85
DIVERSION TO	DIV4	196.	12.75	38.	10.	7.	0.65		

HYDROGRAPH AT	C4	85.	12.75	55.	20.	15.	0.65		
ROUTED TO	C62K	63.	15.10	49.	20.	15.	0.65		
HYDROGRAPH AT	C4	196.	12.75	38.	10.	7.	0.65		
ROUTED TO	C5	186.	12.95	38.	10.	7.	0.65		
HYDROGRAPH AT	5	253.	12.20	48.	15.	11.	0.35		
2 COMBINED AT	C5	268.	12.40	86.	24.	18.	0.35		
ROUTED TO	C5	238.	13.10	86.	24.	18.	0.35	1946.81	13.30
DIVERSION TO	DIV5	53.	13.10	6.	2.	1.	0.35		
HYDROGRAPH AT	C5	185.	13.10	80.	23.	17.	0.35		
ROUTED TO	C62K	149.	14.65	77.	23.	17.	0.35		
5 COMBINED AT	C62K	1199.	13.10	592.	196.	147.	4.51		
HYDROGRAPH AT	C5	53.	13.10	6.	2.	1.	0.35		
ROUTED TO	C6	50.	13.25	6.	2.	1.	0.35		
HYDROGRAPH AT	6	47.	12.05	5.	1.	1.	0.03		
2 COMBINED AT	C6	55.	13.25	11.	3.	2.	0.03		
ROUTED TO	C6	53.	13.35	11.	3.	2.	0.03	1947.10	12.20
DIVERSION TO	DIV6	34.	13.35	4.	1.	1.	0.03		
HYDROGRAPH AT	C6	19.	13.35	7.	2.	2.	0.03		
ROUTED TO	C62K	11.	14.45	6.	2.	1.	0.03		
HYDROGRAPH AT	C6	34.	13.35	4.	1.	1.	0.03		
ROUTED TO	C7	33.	13.45	4.	1.	1.	0.03		
HYDROGRAPH AT	7	42.	12.15	6.	2.	1.	0.04		
2 COMBINED AT	C7	50.	12.20	10.	3.	2.	0.04		
ROUTED TO	C7	28.	13.70	10.	3.	2.	0.04	1942.02	12.40
DIVERSION TO	DIV7	0.	0.05	0.	0.	0.	0.04		
HYDROGRAPH AT	C7	28.	13.70	10.	3.	2.	0.04		
ROUTED TO	C62K	20.	14.35	10.	3.	2.	0.04		
HYDROGRAPH AT	62K	395.	13.20	163.	55.	41.	1.40		
4 COMBINED AT	C62K	1604.	13.15	770.	255.	192.	5.98		
ROUTED TO	C62G	1454.	13.65	761.	255.	191.	5.98		
HYDROGRAPH AT	C7	0.	0.05	0.	0.	0.	0.04		
ROUTED TO	C8	0.	0.05	0.	0.	0.	0.04		
HYDROGRAPH AT	8	15.	12.05	2.	0.	0.	0.01		

2 COMBINED AT	C8	15.	12.05	2.	0.	0.	0.01		
ROUTED TO	C8	11.	12.20	2.	0.	0.	0.01	1939.72	12.20
DIVERSION TO	DIV8	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	C8	11.	12.20	2.	0.	0.	0.01		
ROUTED TO	C62G	2.	13.50	1.	0.	0.	0.01		
HYDROGRAPH AT	C8	0.	0.05	0.	0.	0.	0.01		
ROUTED TO	C9	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	9	66.	12.25	13.	4.	3.	0.08		
2 COMBINED AT	C9	66.	12.25	13.	4.	3.	0.08		
ROUTED TO	C9	64.	12.30	13.	4.	3.	0.08	1933.37	12.35
DIVERSION TO	DIV9	43.	12.30	4.	1.	1.	0.08		
HYDROGRAPH AT	C9	21.	12.30	8.	3.	2.	0.08		
ROUTED TO	C62G	8.	14.70	7.	3.	2.	0.08		
HYDROGRAPH AT	62G	648.	12.95	242.	79.	59.	1.86		
4 COMBINED AT	C62G	1932.	13.45	1000.	337.	253.	7.93		
ROUTED TO	C62E	1850.	13.90	994.	337.	253.	7.93		
HYDROGRAPH AT	62E	254.	12.90	88.	29.	22.	0.68		
2 COMBINED AT	C62E	1982.	13.75	1075.	365.	274.	8.61		
HYDROGRAPH AT	10A	1477.	12.25	260.	80.	60.	4.94		
ROUTED TO	C10	594.	12.95	259.	80.	60.	4.94		
HYDROGRAPH AT	C9	43.	12.30	4.	1.	1.	0.08		
ROUTED TO	C10	39.	12.45	4.	1.	1.	0.08		
HYDROGRAPH AT	10	1194.	13.10	518.	172.	129.	3.93		
3 COMBINED AT	C10	1789.	13.05	779.	253.	190.	8.87		
ROUTED TO	C10	1789.	13.05	779.	253.	190.	8.87	1921.89	13.10
ROUTED TO	C62E	1240.	14.15	746.	253.	190.	8.87		
HYDROGRAPH AT	11	153.	12.30	31.	10.	7.	0.20		
HYDROGRAPH AT	12	3.	12.05	0.	0.	0.	0.00		
2 COMBINED AT	C11	154.	12.30	31.	10.	7.	0.20		
ROUTED TO	C11	72.	12.75	31.	10.	7.	0.20	1918.77	12.80
ROUTED TO	C62E	39.	14.90	27.	10.	7.	0.20		
HYDROGRAPH AT	13	90.	12.30	16.	5.	4.	0.10		
ROUTED TO	C13	73.	12.45	16.	5.	4.	0.10	1909.02	12.45

ROUTED TO	C62E	21.	13.55	14.	5.	4.	0.10		
4 COMBINED AT	C62E	3135.	13.90	1807.	617.	463.	17.78		
HYDROGRAPH AT	14	15.	12.05	2.	0.	0.	0.01		
ROUTED TO	C62E	2.	13.35	1.	0.	0.	0.01		
HYDROGRAPH AT	15	325.	12.50	86.	27.	20.	0.57		
ROUTED TO	C15	196.	13.00	85.	27.	20.	0.57	1905.04	13.10
DIVERSION TO	DIV15	4.	13.00	0.	0.	0.	0.57		
HYDROGRAPH AT	C15	192.	13.00	85.	27.	20.	0.57		
ROUTED TO	C62E	117.	14.85	78.	27.	20.	0.57		
HYDROGRAPH AT	16	361.	12.45	94.	30.	22.	0.62		
HYDROGRAPH AT	C15	4.	13.00	0.	0.	0.	0.57		
ROUTED TO	C16	4.	13.10	0.	0.	0.	0.57		
2 COMBINED AT	C16	361.	12.45	94.	30.	22.	0.62		
ROUTED TO	C16	277.	12.80	94.	30.	22.	0.62	1903.33	13.00
DIVERSION TO	DIV16	166.	12.80	19.	5.	4.	0.62		
HYDROGRAPH AT	C16	111.	12.80	75.	25.	19.	0.62		
ROUTED TO	C62E	81.	16.20	65.	25.	19.	0.62		
HYDROGRAPH AT	17	65.	12.10	8.	2.	2.	0.05		
HYDROGRAPH AT	C16	166.	12.80	19.	5.	4.	0.62		
ROUTED TO	C17	163.	12.85	19.	5.	4.	0.62		
2 COMBINED AT	C17	176.	12.85	27.	7.	5.	0.05		
ROUTED TO	C17	127.	13.05	27.	7.	5.	0.05	1899.54	13.30
DIVERSION TO	DIV17	34.	13.05	2.	1.	0.	0.05		
HYDROGRAPH AT	C17	93.	13.05	25.	7.	5.	0.05		
ROUTED TO	C62E	51.	14.20	23.	7.	5.	0.05		
5 COMBINED AT	C62E	3322.	13.95	1959.	672.	505.	19.03		
HYDROGRAPH AT	18	54.	12.10	6.	2.	1.	0.04		
HYDROGRAPH AT	C17	34.	13.05	2.	1.	0.	0.05		
ROUTED TO	C18	31.	13.15	2.	1.	0.	0.05		
2 COMBINED AT	C18	54.	12.10	8.	2.	2.	0.04		
ROUTED TO	C18	24.	13.35	8.	2.	2.	0.04	1890.12	12.40
DIVERSION TO	DIV18	4.	13.35	0.	0.	0.	0.04		
HYDROGRAPH AT	C18	20.	13.35	8.	2.	2.	0.04		

ROUTED TO	C62E	11.	14.55	7.	2.	2.	0.04		
HYDROGRAPH AT	19	94.	12.45	21.	7.	5.	0.14		
HYDROGRAPH AT	C18	4.	13.35	0.	0.	0.	0.04		
ROUTED TO	C19	4.	13.35	0.	0.	0.	0.04		
2 COMBINED AT	C19	94.	12.45	22.	7.	5.	0.14		
ROUTED TO	C19	65.	12.75	22.	7.	5.	0.14	1889.28	12.75
DIVERSION TO	DIV19	0.	0.05	0.	0.	0.	0.14		
HYDROGRAPH AT	C19	65.	12.75	22.	7.	5.	0.14		
ROUTED TO	C62E	32.	13.95	20.	7.	5.	0.14		
HYDROGRAPH AT	20	320.	12.65	101.	32.	24.	0.70		
HYDROGRAPH AT	C19	0.	0.05	0.	0.	0.	0.14		
ROUTED TO	C20	0.	0.05	0.	0.	0.	0.14		
2 COMBINED AT	C20	320.	12.65	101.	32.	24.	0.70		
ROUTED TO	C20	319.	12.70	101.	32.	24.	0.70	1889.58	12.80
DIVERSION TO	DIV20	118.	12.70	12.	3.	2.	0.70		
HYDROGRAPH AT	C20	201.	12.70	88.	29.	22.	0.70		
ROUTED TO	C62E	128.	14.20	82.	29.	22.	0.70		
HYDROGRAPH AT	21	17.	12.15	2.	1.	0.	0.02		
HYDROGRAPH AT	C20	118.	12.70	12.	3.	2.	0.70		
ROUTED TO	C21	116.	12.75	12.	3.	2.	0.70		
2 COMBINED AT	C21	122.	12.75	15.	4.	3.	0.02		
ROUTED TO	C21	122.	12.80	15.	4.	3.	0.02	1888.15	12.95
DIVERSION TO	DIV21	105.	12.80	11.	3.	2.	0.02		
HYDROGRAPH AT	C21	17.	12.80	4.	1.	1.	0.02		
ROUTED TO	C62E	6.	13.95	3.	1.	1.	0.02		
5 COMBINED AT	C62E	3482.	13.95	2063.	709.	532.	19.93		
HYDROGRAPH AT	62F	583.	13.25	260.	88.	66.	2.18		
2 COMBINED AT	C62E	3904.	13.85	2293.	791.	594.	22.11		
ROUTED TO	C62D	3890.	14.00	2291.	790.	594.	22.11		
HYDROGRAPH AT	62D	595.	13.15	244.	80.	60.	1.66		
2 COMBINED AT	C62D	4257.	13.90	2501.	865.	650.	23.77		
ROUTED TO	C62B	4163.	14.20	2490.	864.	649.	23.77		
HYDROGRAPH AT	62B	139.	12.90	52.	17.	13.	0.49		

HYDROGRAPH AT	62C	224.	12.50	61.	19.	14.	0.40		
3 COMBINED AT	C62B	4253.	14.20	2562.	898.	674.	24.66		
ROUTED TO	C62	3427.	15.50	2439.	893.	671.	24.66		
HYDROGRAPH AT	62A	562.	13.05	232.	76.	57.	1.58		
ROUTED TO	C62	309.	14.40	209.	75.	56.	1.58		
HYDROGRAPH AT	62	1036.	14.00	556.	197.	148.	5.09		
3 COMBINED AT	C62	4249.	15.20	3067.	1142.	858.	31.33		
ROUTED TO	C62	3718.	16.30	2599.	1110.	834.	31.33	1552.12	16.70
ROUTED TO	C83T	3077.	17.60	2506.	1092.	820.	31.33		
HYDROGRAPH AT	83T	232.	14.10	135.	48.	36.	1.29		
2 COMBINED AT	C83T	3133.	17.55	2554.	1135.	853.	32.62		
HYDROGRAPH AT	C21	105.	12.80	11.	3.	2.	0.02		
ROUTED TO	C22	97.	12.90	11.	3.	2.	0.02		
HYDROGRAPH AT	22	105.	12.45	27.	9.	6.	0.26		
2 COMBINED AT	C22	158.	12.85	37.	11.	8.	0.26		
ROUTED TO	C22	155.	12.95	37.	11.	8.	0.26	1877.78	13.20
DIVERSION TO	DIV22	79.	12.95	6.	2.	1.	0.26		
HYDROGRAPH AT	C22	76.	12.95	30.	10.	7.	0.26		
ROUTED TO	C63B	51.	14.35	29.	10.	7.	0.26		
HYDROGRAPH AT	C22	79.	12.95	6.	2.	1.	0.26		
ROUTED TO	C23	78.	13.00	6.	2.	1.	0.26		
HYDROGRAPH AT	23	6.	12.10	1.	0.	0.	0.01		
2 COMBINED AT	C23	83.	12.95	8.	2.	1.	0.01		
ROUTED TO	C23	83.	13.00	8.	2.	1.	0.01	1870.57	12.10
DIVERSION TO	DIV23	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	C23	83.	13.00	8.	2.	1.	0.01		
ROUTED TO	C63B	33.	13.55	8.	2.	1.	0.01		
HYDROGRAPH AT	C23	0.	0.05	0.	0.	0.	0.01		
ROUTED TO	C24	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	24	6.	12.10	1.	0.	0.	0.01		
2 COMBINED AT	C24	6.	12.10	1.	0.	0.	0.01		
ROUTED TO	C24	2.	12.25	1.	0.	0.	0.01	1870.77	12.25
DIVERSION TO	DIV24	0.	0.05	0.	0.	0.	0.01		

HYDROGRAPH AT	C24	2.	12.25	1.	0.	0.	0.01		
ROUTED TO	C63B	1.	13.45	1.	0.	0.	0.01		
HYDROGRAPH AT	C24	0.	0.05	0.	0.	0.	0.01		
ROUTED TO	C25	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	25	33.	12.20	5.	2.	1.	0.05		
2 COMBINED AT	C25	33.	12.20	5.	2.	1.	0.05		
ROUTED TO	C25	25.	12.35	5.	2.	1.	0.05	1862.11	12.40
DIVERSION TO	DIV25	1.	12.35	0.	0.	0.	0.05		
HYDROGRAPH AT	C25	24.	12.35	5.	2.	1.	0.05		
ROUTED TO	C63B	8.	13.40	5.	2.	1.	0.05		
4 COMBINED AT	C63B	80.	13.60	41.	13.	10.	0.32		
HYDROGRAPH AT	26B	3919.	12.25	740.	230.	173.	12.72		
ROUTED TO	C26A	2718.	12.60	738.	230.	173.	12.72		
HYDROGRAPH AT	26A	658.	12.20	102.	31.	23.	2.26		
2 COMBINED AT	C26A	2956.	12.55	833.	259.	194.	14.98		
ROUTED TO	C26	2186.	13.15	829.	259.	194.	14.98		
HYDROGRAPH AT	C25	1.	12.35	0.	0.	0.	0.05		
ROUTED TO	C26	1.	12.40	0.	0.	0.	0.05		
HYDROGRAPH AT	26	259.	13.20	116.	40.	30.	1.12		
3 COMBINED AT	C26	2428.	13.15	939.	297.	223.	16.10		
ROUTED TO	C26	2428.	13.15	939.	297.	223.	16.10	1856.06	13.20
ROUTED TO	C63B	2129.	13.70	935.	297.	223.	16.10		
HYDROGRAPH AT	27	40.	12.20	6.	2.	1.	0.06		
ROUTED TO	C27	35.	12.30	6.	2.	1.	0.06	1848.76	12.45
DIVERSION TO	DIV27	9.	12.30	0.	0.	0.	0.06		
HYDROGRAPH AT	C27	26.	12.30	6.	2.	1.	0.06		
ROUTED TO	C63B	10.	13.35	6.	2.	1.	0.06		
HYDROGRAPH AT	63B	745.	12.60	216.	68.	51.	1.44		
4 COMBINED AT	C63B	2460.	13.60	1175.	376.	283.	17.92		
ROUTED TO	C63C	2375.	13.95	1171.	376.	283.	17.92		
HYDROGRAPH AT	C27	9.	12.30	0.	0.	0.	0.06		
ROUTED TO	C28	4.	12.45	0.	0.	0.	0.06		
HYDROGRAPH AT	28	130.	12.40	28.	9.	7.	0.24		

2 COMBINED AT	C28	133.	12.40	28.	9.	7.	0.24		
ROUTED TO	C28	117.	12.55	28.	9.	7.	0.24	1825.20	12.65
DIVERSION TO	DIV28	52.	12.55	4.	1.	1.	0.24		
HYDROGRAPH AT	C28	65.	12.55	25.	8.	6.	0.24		
ROUTED TO	C63C	23.	14.75	19.	8.	6.	0.24		
HYDROGRAPH AT	C28	52.	12.55	4.	1.	1.	0.24		
ROUTED TO	C29	51.	12.60	4.	1.	1.	0.24		
HYDROGRAPH AT	29	16.	12.05	2.	0.	0.	0.01		
2 COMBINED AT	C29	55.	12.55	5.	1.	1.	0.01		
ROUTED TO	C29	41.	12.75	5.	1.	1.	0.01	1822.05	12.85
DIVERSION TO	DIV29	16.	12.75	0.	0.	0.	0.01		
HYDROGRAPH AT	C29	26.	12.75	5.	1.	1.	0.01		
ROUTED TO	C63C	6.	14.25	4.	1.	1.	0.01		
HYDROGRAPH AT	C29	16.	12.75	0.	0.	0.	0.01		
ROUTED TO	C30	14.	12.80	0.	0.	0.	0.01		
HYDROGRAPH AT	30	17.	12.05	2.	0.	0.	0.01		
2 COMBINED AT	C30	17.	12.05	2.	1.	0.	0.01		
ROUTED TO	C30	12.	12.10	2.	1.	0.	0.01	1823.70	12.15
DIVERSION TO	DIV30	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	C30	12.	12.10	2.	1.	0.	0.01		
ROUTED TO	C63C	2.	13.45	2.	1.	0.	0.01		
HYDROGRAPH AT	C30	0.	0.05	0.	0.	0.	0.01		
ROUTED TO	C31	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	31	208.	13.00	78.	26.	19.	0.63		
2 COMBINED AT	C31	208.	13.00	78.	26.	19.	0.63		
ROUTED TO	C31	174.	13.40	78.	26.	19.	0.63	1808.71	13.45
DIVERSION TO	DIV31	0.	0.05	0.	0.	0.	0.63		
HYDROGRAPH AT	C31	174.	13.40	78.	26.	19.	0.63		
ROUTED TO	C63C	95.	14.90	67.	25.	19.	0.63		
5 COMBINED AT	C63C	2458.	13.95	1246.	409.	307.	19.81		
HYDROGRAPH AT	C31	0.	0.05	0.	0.	0.	0.63		
ROUTED TO	C32	0.	0.05	0.	0.	0.	0.63		
HYDROGRAPH AT	32	51.	12.15	8.	2.	2.	0.05		

2 COMBINED AT	C32	51.	12.15	8.	2.	2.	0.05		
ROUTED TO	C32	34.	12.35	8.	2.	2.	0.05	1800.45	12.40
DIVERSION TO	DIV32	0.	0.05	0.	0.	0.	0.05		
HYDROGRAPH AT	C32	34.	12.35	8.	2.	2.	0.05		
ROUTED TO	C63C	9.	13.90	6.	2.	2.	0.05		
HYDROGRAPH AT	C32	0.	0.05	0.	0.	0.	0.05		
ROUTED TO	C33	0.	0.05	0.	0.	0.	0.05		
HYDROGRAPH AT	33	32.	12.05	3.	1.	1.	0.02		
2 COMBINED AT	C33	32.	12.05	3.	1.	1.	0.02		
ROUTED TO	C33	11.	12.25	3.	1.	1.	0.02	1789.18	12.25
DIVERSION TO	DIV33	0.	0.05	0.	0.	0.	0.02		
HYDROGRAPH AT	C33	11.	12.25	3.	1.	1.	0.02		
ROUTED TO	C63C	3.	14.70	2.	1.	1.	0.02		
HYDROGRAPH AT	63C	992.	12.50	277.	87.	65.	1.70		
4 COMBINED AT	C63C	2705.	13.90	1502.	495.	372.	20.58		
ROUTED TO	C63	2268.	14.85	1443.	494.	371.	20.58		
HYDROGRAPH AT	63A	803.	13.25	339.	114.	85.	2.67		
ROUTED TO	C63	590.	14.15	328.	113.	85.	2.67		
HYDROGRAPH AT	63	727.	13.40	346.	117.	88.	2.78		
3 COMBINED AT	C63	3135.	14.55	2050.	710.	533.	26.03		
ROUTED TO	C63	3129.	14.65	2050.	710.	533.	26.03	1548.38	14.65
ROUTED TO	C83T	2537.	16.10	1893.	705.	530.	26.03		
HYDROGRAPH AT	84T	254.	15.05	167.	64.	48.	1.81		
2 COMBINED AT	C83T	2728.	16.05	2037.	764.	574.	27.84		
2 COMBINED AT	C83T	5211.	17.15	4195.	1842.	1383.	60.46		
ROUTED TO	C78T	5182.	17.45	4188.	1836.	1380.	60.46		
HYDROGRAPH AT	60D	1029.	12.65	313.	99.	74.	1.78		
ROUTED TO	C60B	579.	13.55	303.	99.	74.	1.78		
HYDROGRAPH AT	60B	1182.	13.30	553.	183.	137.	3.53		
2 COMBINED AT	C60B	1743.	13.40	848.	282.	211.	5.31		
ROUTED TO	C60A	1556.	13.95	836.	281.	211.	5.31		
HYDROGRAPH AT	60C	591.	12.75	179.	57.	43.	1.19		
ROUTED TO	C60A	273.	13.90	167.	57.	43.	1.19		

HYDROGRAPH AT	60A	1067.	12.90	421.	137.	103.	2.89		
3 COMBINED AT	C60A	2447.	13.65	1393.	474.	356.	9.38		
ROUTED TO	C60	2297.	14.25	1375.	473.	356.	9.38		
HYDROGRAPH AT	60	1049.	13.45	493.	165.	124.	3.29		
2 COMBINED AT	C60	3101.	13.95	1836.	632.	474.	12.67		
HYDROGRAPH AT	59	602.	13.60	297.	101.	76.	2.29		
ROUTED TO	C60	497.	14.35	289.	101.	76.	2.29		
2 COMBINED AT	C60	3529.	14.05	2101.	726.	546.	14.96		
HYDROGRAPH AT	61	588.	12.90	207.	66.	50.	1.27		
ROUTED TO	C60	483.	13.45	205.	66.	50.	1.27		
2 COMBINED AT	C60	3904.	13.95	2293.	789.	593.	16.23		
ROUTED TO	C60	3053.	15.00	2265.	782.	588.	16.23	1541.10	15.05
ROUTED TO	C89T	3018.	15.45	2247.	781.	587.	16.23		
HYDROGRAPH AT	88T	249.	12.75	72.	24.	19.	0.63		
2 COMBINED AT	C89T	3051.	15.40	2287.	803.	603.	16.86		
HYDROGRAPH AT	90T	600.	13.05	237.	79.	60.	2.23		
ROUTED TO	C89T	451.	13.80	231.	79.	59.	2.23		
HYDROGRAPH AT	89AT	814.	12.45	209.	65.	48.	2.69		
ROUTED TO	C89T	424.	13.25	206.	65.	48.	2.69		
HYDROGRAPH AT	89T	840.	13.20	339.	115.	86.	3.39		
4 COMBINED AT	C89T	3725.	14.85	2935.	1036.	778.	25.17		
ROUTED TO	C87T	3662.	15.45	2888.	1034.	777.	25.17		
HYDROGRAPH AT	87T	416.	13.40	184.	63.	47.	1.77		
2 COMBINED AT	C87T	3790.	15.35	3026.	1091.	820.	26.94		
HYDROGRAPH AT	86AT	1266.	12.25	234.	72.	54.	2.77		
ROUTED TO	C87T	516.	13.00	232.	72.	54.	2.77		
HYDROGRAPH AT	86T	590.	13.90	296.	105.	79.	3.10		
HYDROGRAPH AT	85T	1316.	12.55	368.	114.	86.	4.75		
4 COMBINED AT	C87T	4497.	14.60	3635.	1349.	1013.	37.56		
ROUTED TO	C81T	4476.	14.90	3623.	1347.	1012.	37.56		
HYDROGRAPH AT	81T	482.	12.80	159.	52.	39.	1.40		
2 COMBINED AT	C81T	4573.	14.85	3727.	1394.	1047.	38.96		
HYDROGRAPH AT	80T	769.	12.30	155.	48.	36.	1.83		

HYDROGRAPH AT	82T	300.	14.05	167.	59.	44.	1.59
3 COMBINED AT	C81T	4844.	14.70	3934.	1488.	1118.	42.38
ROUTED TO	C78T	4827.	14.95	3925.	1487.	1117.	42.38
2 COMBINED AT	C78T	8733.	17.05	7390.	3225.	2423.	102.84
HYDROGRAPH AT	78T	282.	13.15	105.	36.	27.	1.10
2 COMBINED AT	C78T	8769.	17.05	7439.	3255.	2445.	103.94
ROUTED TO	C76T	8632.	17.60	7350.	3235.	2430.	103.94
HYDROGRAPH AT	79T	476.	13.90	254.	91.	68.	2.80
ROUTED TO	C76T	367.	14.95	241.	90.	68.	2.80
2 COMBINED AT	C76T	8791.	17.55	7525.	3311.	2487.	106.74
HYDROGRAPH AT	77T	842.	12.25	148.	45.	34.	2.15
ROUTED TO	C76T	370.	12.85	147.	45.	34.	2.15
2 COMBINED AT	C76T	8824.	17.55	7568.	3349.	2515.	108.89
HYDROGRAPH AT	76T	630.	14.30	358.	132.	99.	4.11
2 COMBINED AT	C76T	8999.	17.50	7791.	3460.	2599.	113.00
HYDROGRAPH AT	66	242.	12.45	56.	18.	14.	0.54
ROUTED TO	C67	198.	12.70	56.	18.	14.	0.54
HYDROGRAPH AT	67	1922.	12.60	561.	174.	131.	6.20
2 COMBINED AT	C67	2113.	12.65	615.	193.	145.	6.74
ROUTED TO	C68	2022.	12.75	615.	193.	145.	6.74
HYDROGRAPH AT	68	576.	12.40	135.	42.	31.	1.67
2 COMBINED AT	C68	2416.	12.70	750.	234.	176.	8.41
ROUTED TO	C69	1937.	13.15	747.	234.	176.	8.41
HYDROGRAPH AT	69	308.	12.45	74.	24.	18.	0.71
2 COMBINED AT	C69	2062.	13.15	820.	258.	194.	9.12
ROUTED TO	C70	1982.	13.40	818.	258.	194.	9.12
HYDROGRAPH AT	70A	2265.	12.45	553.	172.	129.	5.87
ROUTED TO	C70	1585.	12.85	551.	172.	129.	5.87
HYDROGRAPH AT	70	384.	12.65	123.	40.	30.	1.03
3 COMBINED AT	C70	3520.	13.15	1460.	460.	346.	16.02
ROUTED TO	C71	2736.	14.05	1436.	460.	346.	16.02
HYDROGRAPH AT	71	292.	12.60	81.	27.	20.	0.83
2 COMBINED AT	C71	2806.	14.00	1500.	485.	364.	16.85

ROUTED TO	C72	2760.	14.30	1496.	485.	364.	16.95		
HYDROGRAPH AT	72	698.	12.35	151.	46.	35.	2.10		
2 COMBINED AT	C72	2832.	14.25	1598.	527.	396.	18.95		
ROUTED TO	C73	2227.	15.50	1514.	527.	396.	18.95		
HYDROGRAPH AT	73	1364.	12.35	296.	91.	68.	4.32		
2 COMBINED AT	C73	2309.	15.50	1628.	610.	458.	23.27		
ROUTED TO	C74	2091.	16.55	1582.	608.	457.	23.27		
HYDROGRAPH AT	75	658.	12.30	133.	41.	31.	1.51		
ROUTED TO	C74	374.	12.80	132.	41.	31.	1.51		
HYDROGRAPH AT	74	338.	13.10	121.	41.	31.	1.26		
3 COMBINED AT	C74	2177.	16.50	1706.	684.	514.	26.04		
ROUTED TO	C76T	2162.	16.80	1701.	683.	513.	26.04		
2 COMBINED AT	C76T	10853.	17.30	9281.	4067.	3055.	139.04		
ROUTED TO	C91	10833.	17.55	9268.	4058.	3048.	139.04		
HYDROGRAPH AT	C33	0.	0.05	0.	0.	0.	0.02		
ROUTED TO	C34	0.	0.05	0.	0.	0.	0.02		
HYDROGRAPH AT	34	193.	12.60	52.	16.	12.	0.34		
2 COMBINED AT	C34	193.	12.60	52.	16.	12.	0.34		
ROUTED TO	C34	93.	13.25	52.	16.	12.	0.34	1784.59	13.35
DIVERSION TO	DIV34	10.	13.25	1.	0.	0.	0.34		
HYDROGRAPH AT	C34	83.	13.25	51.	16.	12.	0.34		
ROUTED TO	C64A	57.	16.00	43.	16.	12.	0.34		
HYDROGRAPH AT	C34	10.	13.25	1.	0.	0.	0.34		
ROUTED TO	C35	9.	13.45	1.	0.	0.	0.34		
HYDROGRAPH AT	35	183.	12.60	52.	16.	12.	0.34		
2 COMBINED AT	C35	183.	12.60	53.	17.	12.	0.34		
ROUTED TO	C35	101.	13.30	53.	17.	12.	0.34	1764.19	13.20
DIVERSION TO	DIV35	1.	13.25	0.	0.	0.	0.34		
HYDROGRAPH AT	C35	100.	13.30	53.	17.	12.	0.34		
ROUTED TO	C64A	72.	15.20	48.	17.	12.	0.34		
HYDROGRAPH AT	64A	682.	13.05	268.	88.	66.	1.99		
3 COMBINED AT	C64A	709.	13.05	348.	120.	90.	2.67		
ROUTED TO	C64	535.	13.90	335.	120.	90.	2.67		

HYDROGRAPH AT	C35	1.	13.25	0.	0.	0.	0.34		
ROUTED TO	C36	1.	13.45	0.	0.	0.	0.34		
HYDROGRAPH AT	36	824.	13.85	485.	167.	125.	3.64		
2 COMBINED AT	C36	824.	13.85	485.	167.	125.	3.64		
ROUTED TO	C36	824.	13.85	485.	167.	125.	3.64	1739.25	14.05
ROUTED TO	C64B	720.	14.75	467.	166.	125.	3.64		
HYDROGRAPH AT	37	622.	13.85	362.	124.	93.	2.71		
ROUTED TO	C37	622.	13.85	362.	124.	93.	2.71	1721.01	14.00
ROUTED TO	C64B	534.	14.75	348.	124.	93.	2.71		
HYDROGRAPH AT	64B	886.	12.80	289.	93.	70.	1.93		
3 COMBINED AT	C64B	1461.	14.55	1068.	382.	287.	8.28		
ROUTED TO	C64	1407.	15.15	1041.	380.	286.	8.28		
HYDROGRAPH AT	64	1316.	13.05	453.	150.	113.	3.52		
3 COMBINED AT	C64	2471.	13.40	1773.	639.	480.	14.47		
ROUTED TO	C64	1795.	16.05	1503.	616.	463.	14.47	1547.62	16.15
ROUTED TO	C95	1698.	17.25	1446.	609.	458.	14.47		
HYDROGRAPH AT	95	432.	13.35	197.	67.	50.	1.72		
2 COMBINED AT	C95	1770.	17.15	1523.	672.	505.	16.19		
HYDROGRAPH AT	96	526.	12.95	182.	61.	46.	1.89		
ROUTED TO	C95	436.	13.40	180.	61.	46.	1.89		
HYDROGRAPH AT	94	145.	12.90	51.	17.	13.	0.53		
2 COMBINED AT	C95	544.	13.30	229.	78.	59.	2.42		
2 COMBINED AT	C95	1856.	17.05	1622.	743.	558.	18.61		
ROUTED TO	C93	1793.	18.15	1588.	734.	552.	18.61		
HYDROGRAPH AT	93	203.	13.85	106.	38.	28.	1.16		
2 COMBINED AT	C93	1831.	18.10	1631.	769.	577.	19.77		
HYDROGRAPH AT	92	239.	14.15	138.	50.	38.	1.55		
2 COMBINED AT	C93	1888.	18.00	1697.	814.	611.	21.32		
ROUTED TO	C91	1873.	18.60	1690.	808.	607.	21.32		
2 COMBINED AT	C91	12382.	17.65	10706.	4771.	3584.	160.36		
HYDROGRAPH AT	91	287.	13.50	123.	42.	32.	1.12		
2 COMBINED AT	C91	12423.	17.65	10755.	4806.	3610.	161.48		
ROUTED TO	C97	11639.	19.10	10242.	4707.	3535.	161.48		

HYDROGRAPH AT	38	753.	14.05	464.	163.	123.	3.88		
HYDROGRAPH AT	38B	902.	13.95	541.	189.	142.	4.49		
ROUTED TO	CP38	887.	14.25	537.	189.	142.	4.49		
2 COMBINED AT	CP38	1630.	14.15	997.	351.	264.	8.37		
HYDROGRAPH AT	38A	128.	12.55	38.	12.	9.	0.28		
2 COMBINED AT	CP38	1660.	14.15	1030.	363.	273.	8.65		
ROUTED TO	C38	1660.	14.15	1030.	363.	273.	8.65	1675.87	14.30
DIVERSION TO	DIV38	0.	0.05	0.	0.	0.	8.65		
HYDROGRAPH AT	C38	1660.	14.15	1030.	363.	273.	8.65		
ROUTED TO	C38	1660.	14.20	1030.	363.	273.	8.65	1675.87	14.30
DIVERSION TO	DIV38	0.	0.05	0.	0.	0.	8.65		
HYDROGRAPH AT	C38	1660.	14.20	1030.	363.	273.	8.65		
ROUTED TO	C65B	1561.	14.80	1010.	362.	272.	8.65		
HYDROGRAPH AT	C38	0.	0.05	0.	0.	0.	8.65		
ROUTED TO	C39	0.	0.05	0.	0.	0.	8.65		
HYDROGRAPH AT	39	192.	13.10	73.	25.	19.	0.76		
2 COMBINED AT	C39	192.	13.10	73.	25.	19.	0.76		
ROUTED TO	C39	192.	13.15	73.	25.	19.	0.76	1644.05	13.25
ROUTED TO	C65	135.	13.90	71.	25.	19.	0.76		
HYDROGRAPH AT	65B	189.	13.10	74.	25.	19.	0.69		
3 COMBINED AT	C65B	1729.	14.70	1144.	411.	309.	10.10		
ROUTED TO	C65A	1696.	15.10	1135.	410.	308.	10.10		
HYDROGRAPH AT	65A	283.	12.85	95.	31.	23.	0.88		
2 COMBINED AT	C65A	1749.	15.05	1199.	440.	330.	10.98		
ROUTED TO	C65	1736.	15.30	1196.	439.	330.	10.98		
HYDROGRAPH AT	65	210.	12.90	74.	25.	18.	0.69		
2 COMBINED AT	C65	1775.	15.30	1245.	462.	347.	11.67		
HYDROGRAPH AT	40A	1333.	13.80	728.	260.	196.	7.11		
ROUTED TO	C40	1246.	14.30	720.	260.	195.	7.11		
HYDROGRAPH AT	40E	80.	12.25	14.	5.	3.	0.14		
ROUTED TO	C40E	62.	12.40	14.	5.	3.	0.14	1797.18	12.45
ROUTED TO	C40C	50.	12.75	14.	5.	3.	0.14		
HYDROGRAPH AT	40F	1153.	12.90	451.	147.	111.	3.51		

ROUTED TO	C40F	1044.	13.20	451.	147.	111.	3.51	1802.57	13.25
ROUTED TO	C40C	1034.	13.35	450.	147.	111.	3.51		
HYDROGRAPH AT	40C	143.	12.25	23.	7.	6.	0.21		
3 COMBINED AT	C40C	1087.	13.30	485.	159.	119.	3.86		
ROUTED TO	C40C	998.	13.75	485.	159.	119.	3.86	1764.18	13.70
ROUTED TO	C40B	990.	13.90	484.	159.	119.	3.86		
HYDROGRAPH AT	40J	1389.	12.15	184.	57.	43.	3.24		
ROUTED TO	C40H	912.	12.35	184.	57.	43.	3.24		
HYDROGRAPH AT	40H	517.	12.35	110.	34.	26.	0.67		
2 COMBINED AT	C40H	1426.	12.35	292.	91.	69.	3.91		
ROUTED TO	C40G	990.	12.75	292.	91.	69.	3.91		
HYDROGRAPH AT	40I	568.	12.20	87.	27.	20.	1.65		
ROUTED TO	C40G	306.	12.55	87.	27.	20.	1.65		
2 COMBINED AT	C40G	1276.	12.70	378.	118.	89.	5.56		
HYDROGRAPH AT	40G	921.	12.65	281.	90.	68.	2.05		
2 COMBINED AT	C40G	2188.	12.70	657.	208.	156.	7.61		
ROUTED TO	C40G	1833.	13.05	657.	208.	156.	7.61	1802.94	13.00
ROUTED TO	C40D	1819.	13.15	657.	208.	156.	7.61		
HYDROGRAPH AT	40D	125.	12.20	19.	6.	5.	0.19		
2 COMBINED AT	C40D	1841.	13.15	675.	214.	161.	7.80		
ROUTED TO	C40D	1510.	13.65	673.	214.	161.	7.80	1772.13	13.60
ROUTED TO	C40B	1498.	13.90	672.	214.	161.	7.80		
HYDROGRAPH AT	40B	348.	12.20	56.	18.	13.	0.51		
3 COMBINED AT	C40B	2497.	13.90	1192.	387.	291.	12.17		
ROUTED TO	C40B	2452.	14.10	1192.	387.	291.	12.17	1715.67	14.00
ROUTED TO	C40	2354.	14.55	1181.	387.	290.	12.17		
HYDROGRAPH AT	40	395.	13.10	147.	49.	37.	1.45		
3 COMBINED AT	C40	3627.	14.45	1972.	676.	508.	20.73		
ROUTED TO	C40	3620.	14.50	1972.	676.	508.	20.73	1604.06	14.50
ROUTED TO	C41	3592.	14.70	1969.	676.	508.	20.73		
HYDROGRAPH AT	41	264.	12.70	88.	28.	21.	0.68		
2 COMBINED AT	C41	3644.	14.70	2028.	702.	527.	21.41		
ROUTED TO	C41	3643.	14.70	2028.	702.	527.	21.41	1560.04	14.75

DIVERSION TO	DIV41	0.	0.05	0.	0.	0.	21.41		
HYDROGRAPH AT	C41	3643.	14.70	2028.	702.	527.	21.41		
ROUTED TO	C65	3641.	14.75	2028.	702.	527.	21.41		
2 COMBINED AT	C65	5171.	14.85	3165.	1129.	848.	33.08		
ROUTED TO	C65	4611.	15.50	3146.	1129.	848.	33.08	1550.76	15.55
ROUTED TO	C102A	4318.	16.35	3085.	1125.	845.	33.08		
HYDROGRAPH AT	102A	569.	13.30	245.	83.	63.	2.34		
2 COMBINED AT	C102A	4427.	16.30	3221.	1200.	901.	35.42		
HYDROGRAPH AT	104	26.	12.15	4.	1.	1.	0.04		
ROUTED TO	C104	26.	12.20	4.	1.	1.	0.04	1534.10	12.25
DIVERSION TO	DIV104	0.	0.05	0.	0.	0.	0.04		
HYDROGRAPH AT	C104	26.	12.20	4.	1.	1.	0.04		
ROUTED TO	C102A	5.	13.50	4.	1.	1.	0.04		
2 COMBINED AT	C102A	4430.	16.30	3223.	1201.	902.	35.46		
HYDROGRAPH AT	C104	0.	0.05	0.	0.	0.	0.04		
ROUTED TO	C105	0.	0.05	0.	0.	0.	0.04		
HYDROGRAPH AT	105	21.	12.20	3.	1.	1.	0.03		
2 COMBINED AT	C105	21.	12.20	3.	1.	1.	0.03		
ROUTED TO	C105	10.	12.45	3.	1.	1.	0.03	1532.82	12.50
DIVERSION TO	DIV105	0.	0.05	0.	0.	0.	0.03		
HYDROGRAPH AT	C105	10.	12.45	3.	1.	1.	0.03		
ROUTED TO	C102A	3.	14.55	2.	1.	1.	0.03		
2 COMBINED AT	C102A	4432.	16.30	3225.	1202.	903.	35.49		
HYDROGRAPH AT	42D1	26.	12.20	4.	1.	1.	0.04		
ROUTED TO	C42D1	14.	12.45	4.	1.	1.	0.04	1800.13	12.45
ROUTED TO	C42D	13.	13.00	4.	1.	1.	0.04		
HYDROGRAPH AT	42D	67.	12.20	10.	3.	2.	0.10		
2 COMBINED AT	C42D	69.	12.20	14.	5.	3.	0.14		
ROUTED TO	C42D	37.	12.55	14.	5.	3.	0.14	1770.00	12.50
ROUTED TO	C42A	32.	13.35	14.	5.	3.	0.14		
HYDROGRAPH AT	42A	164.	12.35	33.	11.	8.	0.33		
2 COMBINED AT	C42A	172.	12.35	47.	15.	11.	0.47		
ROUTED TO	C42A	78.	13.20	46.	15.	11.	0.47	1709.87	13.10

ROUTED TO	C42	63.	15.05	43.	15.	11.	0.47		
HYDROGRAPH AT	42E1	221.	12.50	56.	18.	13.	0.48		
ROUTED TO	C42E1	134.	12.90	55.	18.	13.	0.48	1801.97	12.90
ROUTED TO	C42E	131.	13.25	55.	18.	13.	0.48		
HYDROGRAPH AT	42E	70.	12.20	10.	3.	2.	0.10		
2 COMBINED AT	C42E	143.	13.15	65.	21.	16.	0.58		
ROUTED TO	C42E	100.	14.15	65.	21.	16.	0.58	1772.44	13.85
ROUTED TO	C42B	99.	14.55	64.	21.	16.	0.58		
HYDROGRAPH AT	42B	92.	12.30	17.	5.	4.	0.17		
2 COMBINED AT	C42B	109.	14.40	80.	26.	20.	0.75		
ROUTED TO	C42B	99.	15.35	80.	26.	20.	0.75	1710.69	14.95
ROUTED TO	C42	97.	17.00	73.	26.	20.	0.75		
HYDROGRAPH AT	42F1	82.	12.55	22.	7.	5.	0.22		
ROUTED TO	C42F1	63.	12.85	22.	7.	5.	0.22	1800.26	12.85
ROUTED TO	C42F	58.	13.20	22.	7.	5.	0.22		
HYDROGRAPH AT	42F	75.	12.20	11.	4.	3.	0.11		
2 COMBINED AT	C42F	76.	12.20	32.	11.	8.	0.33		
ROUTED TO	C42F	71.	13.25	32.	11.	8.	0.33	1764.95	13.25
ROUTED TO	C42C	67.	13.65	32.	11.	8.	0.33		
HYDROGRAPH AT	42C	197.	12.20	31.	10.	7.	0.30		
2 COMBINED AT	C42C	199.	12.20	62.	20.	15.	0.63		
ROUTED TO	C42C	120.	12.55	62.	20.	15.	0.63	1716.07	12.45
ROUTED TO	C42	89.	14.30	58.	20.	15.	0.63		
HYDROGRAPH AT	42	550.	13.30	229.	77.	58.	1.88		
4 COMBINED AT	C42	701.	13.40	397.	138.	104.	3.73		
HYDROGRAPH AT	43B	579.	12.15	86.	27.	20.	1.52		
ROUTED TO	C43A	342.	12.50	86.	27.	20.	1.52		
HYDROGRAPH AT	43A	741.	12.65	220.	70.	52.	1.46		
2 COMBINED AT	C43A	1068.	12.60	305.	96.	72.	2.98		
ROUTED TO	C43A	1049.	12.70	305.	96.	72.	2.98	1799.16	12.70
ROUTED TO	C43	670.	13.40	301.	96.	72.	2.98		
HYDROGRAPH AT	43C	221.	12.35	47.	15.	11.	0.31		
ROUTED TO	C43C	117.	12.80	47.	15.	11.	0.31	1804.26	12.75

ROUTED TO	C43	74.	14.10	44.	15.	11.	0.31		
HYDROGRAPH AT	43D	251.	12.35	53.	17.	12.	0.35		
ROUTED TO	C43D	127.	12.80	53.	17.	12.	0.35	1803.13	12.80
ROUTED TO	C43	91.	14.25	50.	17.	12.	0.35		
3 COMBINED AT	C43	792.	13.50	393.	127.	96.	3.64		
HYDROGRAPH AT	43E	245.	12.30	49.	15.	11.	0.32		
ROUTED TO	C43E	143.	12.65	49.	15.	11.	0.32	1803.36	12.65
ROUTED TO	C43	82.	13.85	46.	15.	11.	0.32		
HYDROGRAPH AT	43	1025.	13.35	460.	157.	118.	4.42		
3 COMBINED AT	C43	1875.	13.45	894.	299.	225.	8.38		
HYDROGRAPH AT	44	241.	12.70	74.	24.	18.	0.76		
HYDROGRAPH AT	45	487.	13.25	216.	74.	55.	2.29		
4 COMBINED AT	C46	3106.	13.35	1543.	525.	394.	15.16		
HYDROGRAPH AT	46	328.	12.95	117.	39.	30.	1.22		
2 COMBINED AT	C46	3348.	13.35	1650.	561.	421.	16.38		
HYDROGRAPH AT	47C	4535.	12.30	946.	294.	221.	16.43		
ROUTED TO	C47B	2439.	12.90	940.	294.	221.	16.43		
HYDROGRAPH AT	47B	812.	12.90	313.	102.	76.	2.30		
2 COMBINED AT	C47B	3205.	12.95	1238.	391.	294.	18.73		
ROUTED TO	C47A	2873.	13.40	1233.	391.	294.	18.73		
HYDROGRAPH AT	47A	554.	13.05	233.	77.	58.	1.90		
2 COMBINED AT	C47A	3350.	13.35	1449.	464.	348.	20.63		
ROUTED TO	C47	3295.	13.55	1447.	464.	348.	20.63		
HYDROGRAPH AT	47	106.	12.40	25.	8.	6.	0.24		
2 COMBINED AT	C47	3318.	13.55	1466.	471.	354.	20.87		
HYDROGRAPH AT	48	2487.	13.60	1250.	424.	319.	9.63		
HYDROGRAPH AT	49	166.	12.80	56.	18.	14.	0.57		
4 COMBINED AT	C49	8647.	13.50	4190.	1401.	1053.	47.45		
HYDROGRAPH AT	50	128.	12.45	32.	10.	8.	0.32		
2 COMBINED AT	C50	8681.	13.50	4215.	1410.	1059.	47.77		
ROUTED TO	C50	2698.	16.05	2591.	1397.	1049.	47.77	1548.90	16.00
DIVERSION TO	DIV50	0.	0.05	0.	0.	0.	47.77		
HYDROGRAPH AT	C50	2698.	16.05	2591.	1397.	1049.	47.77		

DIVERSION TO	DIV42	272.	16.05	259.	132.	99.	47.77		
HYDROGRAPH AT	C42	2427.	16.05	2332.	1265.	950.	47.77		
DIVERSION TO	DIV43	285.	16.05	273.	143.	108.	47.77		
HYDROGRAPH AT	C43	2142.	16.05	2059.	1121.	842.	47.77		
DIVERSION TO	DIV44	288.	16.05	275.	147.	110.	47.77		
HYDROGRAPH AT	C44	1854.	16.05	1784.	974.	732.	47.77		
DIVERSION TO	DIV45	303.	16.05	292.	159.	119.	47.77		
HYDROGRAPH AT	C45	1550.	16.05	1492.	816.	613.	47.77		
DIVERSION TO	DIV46	302.	16.05	288.	157.	118.	47.77		
HYDROGRAPH AT	C46	1249.	16.05	1204.	659.	495.	47.77		
DIVERSION TO	DIV47	313.	16.05	302.	167.	125.	47.77		
HYDROGRAPH AT	C47	936.	16.05	902.	492.	370.	47.77		
DIVERSION TO	DIV48	313.	16.05	302.	165.	124.	47.77		
HYDROGRAPH AT	C48	623.	16.05	601.	327.	246.	47.77		
DIVERSION TO	DIV49	321.	16.05	310.	171.	128.	47.77		
HYDROGRAPH AT	C49	301.	16.05	290.	157.	118.	47.77		
DIVERSION TO	DIV50A	301.	16.05	290.	157.	118.	47.77		
HYDROGRAPH AT	C50A	0.	0.05	0.	0.	0.	47.77		
HYDROGRAPH AT	C42	272.	16.05	259.	132.	99.	47.77		
ROUTED TO	C106	271.	16.30	259.	132.	99.	47.77		
HYDROGRAPH AT	106	29.	12.35	6.	2.	1.	0.06		
2 COMBINED AT	C106	287.	16.30	275.	146.	110.	0.06		
HYDROGRAPH AT	C105	0.	0.05	0.	0.	0.	0.03		
ROUTED TO	C106	0.	0.05	0.	0.	0.	0.03		
2 COMBINED AT	C106	287.	16.30	275.	146.	110.	0.06		
ROUTED TO	C106	287.	16.35	275.	146.	110.	0.06	1522.58	16.25
DIVERSION TO	DIV106	0.	0.05	0.	0.	0.	0.06		
HYDROGRAPH AT	C106	287.	16.35	275.	146.	110.	0.06		
ROUTED TO	C102A	277.	18.50	266.	144.	108.	0.06		
2 COMBINED AT	C102A	263.	18.45	252.	132.	99.	47.83		
HYDROGRAPH AT	C43	285.	16.05	273.	143.	108.	47.77		
ROUTED TO	C107	284.	16.55	272.	143.	107.	47.77		
HYDROGRAPH AT	C106	0.	0.05	0.	0.	0.	0.06		

ROUTED TO	C107	0.	0.05	0.	0.	0.	0.06		
HYDROGRAPH AT	107	93.	12.90	31.	10.	8.	0.32		
3 COMBINED AT	C107	311.	16.25	298.	165.	124.	0.32		
ROUTED TO	C107	311.	16.30	298.	165.	124.	0.32	1487.48	16.20
DIVERSION TO	DIV107	0.	0.05	0.	0.	0.	0.32		
HYDROGRAPH AT	C107	311.	16.30	298.	165.	124.	0.32		
ROUTED TO	C102A	307.	17.45	294.	163.	123.	0.32		
2 COMBINED AT	C102A	554.	18.00	532.	283.	212.	48.15		
HYDROGRAPH AT	C107	0.	0.05	0.	0.	0.	0.32		
ROUTED TO	C108	0.	0.05	0.	0.	0.	0.32		
HYDROGRAPH AT	108	231.	12.70	66.	22.	16.	0.67		
2 COMBINED AT	C108	231.	12.70	66.	22.	16.	0.67		
ROUTED TO	C108	230.	12.75	66.	22.	16.	0.67	1468.48	12.85
DIVERSION TO	DIV108	0.	0.05	0.	0.	0.	0.67		
HYDROGRAPH AT	C108	230.	12.75	66.	22.	16.	0.67		
ROUTED TO	C102A	154.	13.30	65.	22.	16.	0.67		
2 COMBINED AT	C102A	577.	17.80	554.	303.	227.	48.82		
HYDROGRAPH AT	C109	0.	0.05	0.	0.	0.	0.67		
ROUTED TO	C109	0.	0.05	0.	0.	0.	0.67		
HYDROGRAPH AT	109	64.	12.30	12.	4.	3.	0.12		
2 COMBINED AT	C109	64.	12.30	12.	4.	3.	0.12		
ROUTED TO	C109	61.	12.35	12.	4.	3.	0.12	1359.97	12.40
DIVERSION TO	DIV109	3.	12.35	0.	0.	0.	0.12		
HYDROGRAPH AT	C109	58.	12.35	12.	4.	3.	0.12		
ROUTED TO	C102A	29.	12.90	12.	4.	3.	0.12		
3 COMBINED AT	C102A	4803.	16.35	3608.	1453.	1092.	84.43		
ROUTED TO	C102	4713.	16.85	3584.	1448.	1088.	84.43		
HYDROGRAPH AT	102	254.	12.95	90.	29.	22.	0.72		
2 COMBINED AT	C102	4743.	16.85	3617.	1474.	1108.	85.15		
HYDROGRAPH AT	98A	302.	13.30	126.	43.	32.	1.33		
ROUTED TO	C102	192.	14.40	119.	43.	32.	1.33		
HYDROGRAPH AT	98	194.	13.50	93.	33.	25.	1.01		
2 COMBINED AT	C102	344.	13.95	207.	76.	57.	2.34		

2 COMBINED AT	C102	4973.	16.90	3755.	1540.	1157.	87.49		
ROUTED TO	C97	4775.	17.40	3724.	1533.	1152.	87.49		
HYDROGRAPH AT	97A	160.	13.60	76.	26.	20.	0.81		
ROUTED TO	C97	92.	15.10	67.	26.	20.	0.81		
2 COMBINED AT	C97	4829.	17.40	3776.	1556.	1169.	88.30		
HYDROGRAPH AT	100	351.	12.90	117.	37.	28.	0.74		
ROUTED TO	C97	315.	13.25	116.	37.	28.	0.74		
2 COMBINED AT	C97	4864.	17.35	3816.	1589.	1194.	89.04		
HYDROGRAPH AT	97	343.	13.95	178.	64.	48.	1.97		
2 COMBINED AT	C97	4947.	17.35	3913.	1644.	1235.	91.01		
HYDROGRAPH AT	C44	288.	16.05	275.	147.	110.	47.77		
ROUTED TO	C110	278.	18.10	267.	145.	109.	47.77		
HYDROGRAPH AT	110	508.	13.10	197.	67.	50.	2.06		
2 COMBINED AT	C110	534.	13.10	390.	222.	167.	2.06		
HYDROGRAPH AT	C45	303.	16.05	292.	159.	119.	47.77		
ROUTED TO	C110	294.	18.15	284.	156.	117.	47.77		
2 COMBINED AT	C110	669.	17.55	644.	389.	292.	2.06		
HYDROGRAPH AT	C109	3.	12.35	0.	0.	0.	0.12		
ROUTED TO	C110	1.	12.60	0.	0.	0.	0.12		
2 COMBINED AT	C110	669.	17.55	644.	389.	292.	2.06		
ROUTED TO	C110	669.	17.60	644.	389.	292.	2.06	1419.81	17.55
DIVERSION TO	DIV110	0.	0.05	0.	0.	0.	2.06		
HYDROGRAPH AT	C110	669.	17.60	644.	389.	292.	2.06		
ROUTED TO	C101	664.	18.55	641.	383.	288.	2.06		
HYDROGRAPH AT	101	694.	12.85	217.	70.	53.	1.65		
2 COMBINED AT	C101	838.	13.00	717.	453.	340.	3.71		
HYDROGRAPH AT	C110	0.	0.05	0.	0.	0.	2.06		
ROUTED TO	C111	0.	0.05	0.	0.	0.	2.06		
HYDROGRAPH AT	111	121.	12.70	35.	11.	9.	0.35		
2 COMBINED AT	C111	121.	12.70	35.	11.	9.	0.35		
ROUTED TO	C111	120.	12.70	35.	11.	9.	0.35	1410.23	12.80
DIVERSION TO	DIV111	102.	12.70	29.	9.	7.	0.35		
HYDROGRAPH AT	C111	18.	12.70	6.	3.	2.	0.35		

ROUTED TO	C101	8.	13.85	5.	3.	2.	0.35		
2 COMBINED AT	C101	842.	13.05	722.	456.	342.	4.06		
HYDROGRAPH AT	C111	102.	12.70	29.	9.	7.	0.35		
ROUTED TO	C112	71.	13.25	28.	9.	7.	0.35		
HYDROGRAPH AT	112	391.	12.80	131.	43.	33.	1.34		
2 COMBINED AT	C112	440.	12.85	158.	52.	39.	1.34		
ROUTED TO	C112	439.	12.85	158.	52.	39.	1.34	1378.20	13.00
DIVERSION TO	DIV112	0.	0.05	0.	0.	0.	1.34		
HYDROGRAPH AT	C112	439.	12.85	158.	52.	39.	1.34		
ROUTED TO	C101	384.	13.25	157.	52.	39.	1.34		
2 COMBINED AT	C101	1212.	13.15	875.	507.	381.	5.40		
HYDROGRAPH AT	C112	0.	0.05	0.	0.	0.	1.34		
ROUTED TO	C113	0.	0.05	0.	0.	0.	1.34		
HYDROGRAPH AT	113	116.	13.45	55.	19.	14.	0.59		
2 COMBINED AT	C113	116.	13.45	55.	19.	14.	0.59		
ROUTED TO	C113	116.	13.45	55.	19.	14.	0.59	1369.99	13.60
DIVERSION TO	DIV113	0.	0.05	0.	0.	0.	0.59		
HYDROGRAPH AT	C113	116.	13.45	55.	19.	14.	0.59		
ROUTED TO	C101	111.	13.80	55.	19.	14.	0.59		
2 COMBINED AT	C101	1297.	13.20	930.	526.	395.	5.99		
HYDROGRAPH AT	C113	0.	0.05	0.	0.	0.	0.59		
ROUTED TO	C114	0.	0.05	0.	0.	0.	0.59		
HYDROGRAPH AT	114	43.	12.30	8.	3.	2.	0.08		
2 COMBINED AT	C114	43.	12.30	8.	3.	2.	0.08		
ROUTED TO	C114	38.	12.45	8.	3.	2.	0.08	1365.61	12.50
DIVERSION TO	DIV114	20.	12.45	2.	0.	0.	0.08		
HYDROGRAPH AT	C114	18.	12.45	7.	2.	2.	0.08		
ROUTED TO	C101	16.	13.10	7.	2.	2.	0.08		
2 COMBINED AT	C101	1312.	13.20	936.	528.	397.	6.07		
ROUTED TO	C97	1206.	13.80	921.	525.	394.	6.07		
2 COMBINED AT	C97	5697.	17.35	4676.	2113.	1588.	97.08		
HYDROGRAPH AT	99	134.	12.70	37.	12.	9.	0.29		
3 COMBINED AT	C97	16082.	18.40	14195.	6650.	4996.	258.85		

ROUTED TO	C97	2298.	31.45	2232.	1125.	845.	258.85	1348.33	31.45
DIVERSION TO	DIV97	0.	0.05	0.	0.	0.	258.85		
HYDROGRAPH AT	C97	2298.	31.45	2232.	1125.	845.	258.85		
ROUTED TO	C119	2219.	31.95	2006.	862.	648.	258.85		
HYDROGRAPH AT	C114	20.	12.45	2.	0.	0.	0.08		
ROUTED TO	C115	14.	12.70	2.	0.	0.	0.08		
HYDROGRAPH AT	115	42.	12.20	7.	2.	2.	0.05		
2 COMBINED AT	C115	41.	12.20	8.	2.	2.	0.05		
ROUTED TO	C115	37.	12.35	8.	2.	2.	0.05	1355.16	12.35
DIVERSION TO	DIV115	22.	12.35	3.	1.	0.	0.05		
HYDROGRAPH AT	C115	15.	12.35	6.	2.	1.	0.05		
ROUTED TO	C103	11.	13.55	6.	2.	1.	0.05		
HYDROGRAPH AT	C97	0.	0.05	0.	0.	0.	258.85		
ROUTED TO	C103	0.	0.05	0.	0.	0.	258.85		
2 COMBINED AT	C103	11.	13.55	6.	2.	1.	0.05		
HYDROGRAPH AT	103	194.	12.50	43.	14.	10.	0.32		
2 COMBINED AT	C103	199.	12.50	49.	16.	12.	0.37		
ROUTED TO	C119	43.	14.80	36.	15.	11.	0.37		
HYDROGRAPH AT	C115	22.	12.35	3.	1.	0.	0.05		
ROUTED TO	C116	13.	12.95	3.	1.	0.	0.05		
HYDROGRAPH AT	116	526.	12.60	140.	44.	33.	1.00		
2 COMBINED AT	C116	536.	12.60	142.	45.	34.	1.00		
ROUTED TO	C116	532.	12.65	140.	45.	34.	1.00	1341.88	12.75
ROUTED TO	C119	340.	13.25	138.	45.	34.	1.00		
3 COMBINED AT	C119	2223.	31.95	2018.	914.	686.	260.22		
HYDROGRAPH AT	118	511.	12.95	174.	57.	43.	1.39		
ROUTED TO	C119	207.	14.50	150.	56.	42.	1.39		
2 COMBINED AT	C119	2228.	31.95	2034.	962.	723.	261.61		
HYDROGRAPH AT	C46	302.	16.05	288.	157.	118.	47.77		
ROUTED TO	C117A	279.	19.35	269.	151.	114.	47.77		
HYDROGRAPH AT	117A	362.	14.15	197.	70.	53.	1.72		
2 COMBINED AT	C117A	463.	14.45	399.	232.	174.	1.72		
HYDROGRAPH AT	C47	313.	16.05	302.	167.	125.	47.77		

ROUTED TO	C117D	305.	18.00	294.	164.	123.	47.77
HYDROGRAPH AT	117D	172.	13.05	68.	22.	17.	0.55
2 COMBINED AT	C117D	339.	17.65	328.	198.	148.	0.55
ROUTED TO	C117A	337.	18.55	326.	195.	146.	0.55
2 COMBINED AT	C117A	711.	17.80	698.	426.	320.	2.27
HYDROGRAPH AT	C49	313.	16.05	302.	165.	124.	47.77
ROUTED TO	C117F	311.	16.90	300.	164.	123.	47.77
HYDROGRAPH AT	117F	167.	12.65	46.	15.	11.	0.36
2 COMBINED AT	C117F	339.	16.65	327.	190.	143.	0.36
HYDROGRAPH AT	C49	321.	16.05	310.	171.	128.	47.77
ROUTED TO	C117G	319.	17.05	309.	169.	127.	47.77
HYDROGRAPH AT	117G	114.	12.75	34.	11.	8.	0.27
2 COMBINED AT	C117G	343.	16.85	331.	193.	145.	0.27
2 COMBINED AT	C117F	681.	16.75	657.	383.	287.	0.63
ROUTED TO	C117E	679.	17.40	654.	380.	285.	0.63
HYDROGRAPH AT	117E	162.	12.85	50.	16.	12.	0.40
2 COMBINED AT	C117E	696.	17.30	670.	396.	297.	1.03
ROUTED TO	C117B	692.	18.05	667.	391.	294.	1.03
HYDROGRAPH AT	117B	135.	12.95	46.	15.	11.	0.37
2 COMBINED AT	C117B	706.	17.95	680.	406.	305.	1.40
2 COMBINED AT	C117A	1416.	17.90	1371.	831.	624.	3.67
HYDROGRAPH AT	C50A	301.	16.05	290.	157.	118.	47.77
ROUTED TO	C117C	286.	19.00	277.	153.	115.	47.77
HYDROGRAPH AT	117C	401.	13.45	177.	60.	45.	1.47
2 COMBINED AT	C117C	440.	13.55	370.	223.	168.	1.47
2 COMBINED AT	C117A	1772.	17.85	1719.	1053.	791.	5.14
ROUTED TO	C117	1770.	18.25	1718.	1045.	785.	5.14
HYDROGRAPH AT	117	371.	12.80	118.	38.	29.	0.94
2 COMBINED AT	C117	1805.	18.15	1752.	1083.	814.	6.08
ROUTED TO	C120	1804.	18.35	1752.	1080.	811.	6.08
HYDROGRAPH AT	51	151.	12.65	47.	15.	12.	0.48
HYDROGRAPH AT	52A	1661.	12.15	254.	79.	59.	4.32
ROUTED TO	C52	553.	12.85	253.	79.	59.	4.32

HYDROGRAPH AT	52B	1927.	12.15	279.	86.	65.	4.92		
ROUTED TO	C52C	1828.	12.25	279.	86.	65.	4.92		
HYDROGRAPH AT	52C	1756.	12.25	327.	101.	76.	5.77		
2 COMBINED AT	C52C	3571.	12.25	604.	187.	140.	10.69		
ROUTED TO	C52C	1942.	12.70	600.	187.	140.	10.69		
HYDROGRAPH AT	52	1428.	13.60	751.	260.	195.	5.93		
3 COMBINED AT	C52	3302.	12.85	1547.	510.	383.	20.94		
HYDROGRAPH AT	53	983.	12.55	276.	85.	64.	1.64		
HYDROGRAPH AT	C50	0.	0.05	0.	0.	0.	47.77		
4 COMBINED AT	C53	4222.	12.75	1841.	605.	455.	23.06		
ROUTED TO	C53	1819.	14.65	1519.	594.	446.	23.06	1544.95	14.70
DIVERSION TO	DIV51	145.	14.65	110.	39.	29.	23.06		
HYDROGRAPH AT	C51	1674.	14.65	1409.	555.	417.	23.06		
DIVERSION TO	DI52P1	817.	14.65	682.	268.	201.	23.06		
HYDROGRAPH AT	C52P1	857.	14.65	727.	287.	216.	23.06		
DIVERSION TO	DI52P2	209.	14.65	176.	70.	52.	23.06		
HYDROGRAPH AT	C52P2	648.	14.65	551.	217.	163.	23.06		
DIVERSION TO	DIV53	648.	14.65	551.	217.	163.	23.06		
HYDROGRAPH AT	C53	0.	0.05	0.	0.	0.	23.06		
HYDROGRAPH AT	C51	145.	14.65	110.	39.	29.	23.06		
ROUTED TO	C120	115.	16.85	97.	39.	29.	23.06		
2 COMBINED AT	C120	115.	16.85	97.	39.	29.	23.06		
HYDROGRAPH AT	120	733.	13.00	287.	94.	71.	2.22		
3 COMBINED AT	C120	1945.	17.80	1884.	1157.	869.	31.36		
ROUTED TO	C120	1945.	17.85	1884.	1157.	869.	31.36	1337.06	17.95
ROUTED TO	C119	1944.	18.05	1883.	1153.	866.	31.36		
2 COMBINED AT	C119	2842.	26.45	2914.	2010.	1510.	292.97		
HYDROGRAPH AT	119	145.	14.60	103.	38.	29.	0.96		
2 COMBINED AT	C119	2856.	26.30	2927.	2043.	1534.	293.93		
ROUTED TO	C121	2855.	26.80	2826.	1990.	1495.	293.93		
HYDROGRAPH AT	C52P1	817.	14.65	682.	268.	201.	23.06		
ROUTED TO	C124A	800.	15.35	671.	267.	201.	23.06		
HYDROGRAPH AT	124A	440.	12.75	134.	44.	33.	1.31		

ROUTED TO	C122	4245.	18.45	4077.	2728.	2049.	303.82		
HYDROGRAPH AT	122	472.	12.70	139.	45.	34.	1.10		
2 COMBINED AT	C122	4279.	18.45	4109.	2766.	2078.	304.92		
ROUTED TO	C132	4271.	18.90	4103.	2711.	2037.	304.92		
HYDROGRAPH AT	55	1368.	12.50	356.	111.	83.	3.27		
ROUTED TO	C55	1366.	12.50	356.	111.	83.	3.27	1517.59	12.50
ROUTED TO	C127A	1083.	12.85	356.	111.	83.	3.27		
HYDROGRAPH AT	127A	383.	12.50	96.	30.	23.	0.61		
2 COMBINED AT	C127A	1378.	12.75	451.	141.	106.	3.88		
HYDROGRAPH AT	56	673.	12.15	94.	29.	22.	0.48		
ROUTED TO	C56	336.	12.40	94.	29.	22.	0.48	1522.07	12.40
ROUTED TO	127B	299.	12.85	94.	29.	22.	0.48		
HYDROGRAPH AT	127B	269.	12.15	44.	14.	10.	0.25		
2 COMBINED AT	C127B	412.	12.25	138.	43.	32.	0.73		
2 COMBINED AT	C127A	1755.	12.75	587.	183.	138.	4.61		
ROUTED TO	C127	1502.	13.25	586.	183.	138.	4.61		
HYDROGRAPH AT	127	1408.	12.60	382.	122.	91.	2.44		
2 COMBINED AT	C127	2449.	12.85	966.	305.	229.	7.05		
HYDROGRAPH AT	126	822.	12.70	259.	80.	60.	1.67		
2 COMBINED AT	C127	3222.	12.75	1221.	385.	289.	8.72		
ROUTED TO	C125	3191.	12.90	1221.	385.	289.	8.72		
HYDROGRAPH AT	125	933.	12.40	213.	67.	51.	1.47		
2 COMBINED AT	C125	3747.	12.80	1431.	451.	339.	10.19		
ROUTED TO	C125	3582.	13.00	1431.	451.	339.	10.19	1339.13	13.05
ROUTED TO	C132	2837.	13.90	1410.	451.	339.	10.19		
HYDROGRAPH AT	131	217.	13.00	74.	24.	18.	0.59		
ROUTED TO	C132	175.	13.50	73.	24.	18.	0.59		
3 COMBINED AT	C132	4654.	18.30	4507.	3121.	2344.	315.70		
HYDROGRAPH AT	132	393.	13.05	157.	52.	39.	1.23		
2 COMBINED AT	C132	4698.	18.25	4558.	3165.	2378.	316.93		
HYDROGRAPH AT	133	868.	12.60	233.	73.	55.	1.20		
2 COMBINED AT	C132	4747.	18.20	4617.	3229.	2426.	318.13		
ROUTED TO	C134	4744.	18.50	4614.	3188.	2395.	318.13		

HYDROGRAPH AT	128	469.	12.45	105.	33.	25.	0.82
ROUTED TO	C129	261.	13.00	103.	33.	25.	0.82
HYDROGRAPH AT	129	650.	12.95	208.	68.	51.	1.66
2 COMBINED AT	C129	905.	12.90	309.	101.	76.	2.48
ROUTED TO	C130	691.	13.50	305.	101.	76.	2.48
HYDROGRAPH AT	130	679.	12.80	207.	68.	51.	1.61
2 COMBINED AT	C130	1135.	13.15	507.	168.	127.	4.09
ROUTED TO	C134	1025.	13.70	502.	168.	126.	4.09
2 COMBINED AT	C134	5016.	14.80	4878.	3330.	2501.	322.22
HYDROGRAPH AT	134	611.	12.40	141.	45.	33.	0.77
2 COMBINED AT	C134	5085.	14.75	4922.	3369.	2531.	322.99

```
****************************************
*                                      *
*  FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*            FEBRUARY 1981             *
*          REVISED 14 JUN 85           *
*                                      *
*      RUN DATE: 04/21/1998            *
*          TIME: 17:30:43.48           *
*                                      *
****************************************
```

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

WTM100YR.OUT

```
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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::::::::::::::::::::::::::::::::::::::::::::
::::::::::::::::::::::::::::::::::::::::::::
:::            300 ORDINATES            :::
:::            Version  3.1a            :::
::::::::::::::::::::::::::::::::::::::::::::
::::::::::::::::::::::::::::::::::::::::::::
```


HAESTAD METHODS

37 Brookside Road * Waterbury, Connecticut 06708 * (203) 755-1666

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

  1         ID       WTM100YR
  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       THIS IS THE 100 YEAR MODEL FOR THE STUDY AREA AND INCLUDES STORAGE
  9         ID       ROUTING AND DIVERSIONS ALONG THE A.T. & S.F. RAILROAD, THE CAP CANAL,
 10         ID       AND THE BEARDSLEY CANAL.
 11         ID
 12         ID
 13         ID
            *DIAGRAM
 14         IT       3 26JAN87    1200     640
 15         IN      15 26JAN87    1200
 16         IO       5
 17         JD    4.21    .001
 18         PC    .000    .002    .005    .008    .011    .014    .017    .020    .023    .026
 19         PC    .029    .032    .035    .038    .041    .044    .048    .052    .056    .060
 20         PC    .064    .068    .072    .076    .080    .085    .090    .095    .100    .105
 21         PC    .110    .115    .120    .126    .133    .140    .147    .155    .163    .172
 22         PC    .181    .191    .203    .218    .236    .257    .283    .387    .663    .707
 23         PC    .735    .758    .776    .791    .804    .815    .825    .834    .842    .849
 24         PC    .856    .863    .869    .875    .881    .887    .893    .898    .903    .909
 25         PC    .913    .918    .922    .926    .930    .934    .938    .942    .946    .950
 26         PC    .953    .956    .959    .962    .965    .968    .971    .974    .977    .980
 27         PC    .983    .986    .989    .992    .995    .998    1.00   1.000   1.000   1.000
 28         JD    4.17      10
 29         JD    4.00      50
 30         JD    3.93     100
 31         JD    3.82     350

 32         KK       1
 33         KM       RUNOFF FROM SUBWATERSHED 1.
 34         KM       UNIT HYDROGRAPHS HAVE BEEN COMPUTED FOR EACH SUBWATERSHED USING THE
 35         KM       CORPS OF ENGINEERS S-GRAPH COMPUTATIONS FOR UNIT HYDROGRAPHS.  THE
 36         KM       S-GRAPH PROGRAM HAS BEEN DEVELOPED FOR THE PHOENIX MOUNTAIN AND PHOENIX
 37         KM       VALLEY AREAS.  THIS SHOULD GIVE A MORE RELIABLE UNIT HYDROGRAPH FOR THE
 38         KM       HEC-1 PROGRAM TO UTILIZE WITHIN THE WITTMANN ADMS AREA.
 39         BA    .088
 40         LS       0      51       0
 41         UK     200   .0160     .11     100
 42         RK    2900   .0132     .05            TRAP       0      15

 43         KK      C1
 44         KM       STORAGE ROUTE THROUGH C1.  4-30"CMP'S AND 1-24"CMP ON GRAND AV.
 45         RS       1    STOR       0       0
 46         SV       0    1.07    2.00    3.61
 47         SQ       0      36      55     373
 48         SE  1970.5  1972.5    1973  1973.5
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  49          KK    C62L
  50          KM       ROUTE FLOW FROM C1 TO C62L.
  51          RM      1     .54      .2

  52          KK     62L
  53          KM       RUNOFF FROM SUBWATERSHED 62L.
  54          BA    .36
  55          LS      0      79       0
  56          UK    200   .0150     .12     100
  57          RK   1600   .0100     .05     .07              0      15
  58          RK   5500   .0100     .05                     15      15

  59          KK    C62L
  60          KM       ADD HYDROGRAPHS AT C62L.
  61          HC      2

  62          KK    C62I
  63          KM       ROUTE FLOW FROM C62L TO C62I.
  64          RM      1     .69      .2

  65          KK     62I
  66          KM       RUNOFF FROM SUBWATERSHED 62I.
  67          BA    .54
  68          LS      0      80       0
  69          UK    250   .0150     .12     100
  70          RK   3000   .0076     .05     .09              0      15
  71          RK   7500   .0076     .05                      0      25

  72          KK    C62I
  73          KM       ADD HYDROGRAPHS AT C62I.
  74          HC      2

  75          KK    C62H
  76          KM       ROUTE FLOW FROM C62I TO C62H.
  77          RM      1     .56      .2

  78          KK     62H
  79          KM       RUNOFF FROM SUBWATERSHED 62H.
  80          BA    .55
  81          LS      0      81       0
  82          UK    250   .0150     .12     100
  83          RK   1500   .0082     .05     .04              0      25
  84          RK   8500   .0082     .05                      0      25

  85          KK     62J
  86          KM       RUNOFF FROM SUBWATERSHED 62J.
  87          BA    .88
  88          LS      0      77       0
  89          UK    250   .0150     .07     100
  90          RK   2600   .0089     .05     .05              0      15
  91          RK  12875   .0089     .05                      0      25
```

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

  92          KK    C62H
  93          KM        ADD HYDROGRAPHS AT C62H.
  94          HC       3

  95          KK    C62K
  96          KM        ROUTE FLOW FROM C62H TO C62K
  97          RM       1     .13      .2

  98          KK       2
  99          KM        RUNOFF FROM SUBWATERSHED 2.
 100          BA     .50
 101          LS              78
 102          UK     150   .0160     .11     100
 103          RK   10725   .0146     .05                        0      35

 104          KK      C2
 105          KM        STORAGE ROUTE THROUGH C2.  6'X4' BC ON GRAND AV.
 106          RS       1    STOR       0       0
 107          SV       0     .82    3.61
 108          SQ       0      72     468
 109          SE  1365.5    1968    1970

 110          KK    C62M
 111          KM        ROUTE FLOW FROM C2 TO C62M
 112          RM       1     .33      .2

 113          KK     62M
 114          KM        RUNOFF FROM SUBWATERSHED 62M
 115          BA     .24
 116          LS       0      71       0
 117          UK     200   .0150     .12     100
 118          RK     800   .0090     .05     .08              0      15
 119          RK    5000   .0090     .05                     10      15

 120          KK    C62M
 121          KM        ADD HYDROGRAPHS AT C62M
 122          HC       2

 123          KK    C62K
 124          KM        ROUTE FLOW FROM C62M TO C62K
 125          RM       1    1.01      .2

 126          KK       3
 127          KM        RUNOFF FROM SUBWATERSHED 3.
 128          BA     .35
 129          LS              81
 130          UK     100   .0160     .11     100
 131          RK    9250   .0132     .05           TRAP       0      25
```

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

 132          KK      C3
 133          KM        STORAGE ROUTE THROUGH C3.  50"X30" CMPA ON GRAND AV.
 134          RS       1    STOR       0       0
 135          SV       0     .19    1.36    2.17
 136          SQ       0     5.5      56     335
 137          SE  1966.5    1967    1968  1968.5

 138          KK    C62K
 139          KM        ROUTE FLOW FROM C3 TO C62K.
 140          RM       1    1.50      .2

 141          KK       4
 142          KM        RUNOFF FROM SUBWATERSHED 4.
 143          BA     .65
 144          LS             80
 145          UK     100   .0160     .11     100
 146          RK    2800   .0103     .05    .325              0      50
 147          RK   13000   .0103     .05                      0      30

 148          KK      C4
 149          KM        STORAGE ROUTE THROUGH C4.  48" CMP ON GRAND AV.
 150          RS       1    STOR       0       0
 151          SV       0     .19     .48     .95    1.69
 152          SQ       0      24      74     110     445
 153          SE    1962    1964  1965.5    1966    1967

 154          KK      C4
 155          KM        DIVERT FLOW AT C4.
 156          DT    DIV4
 157          DI       0      74     110     445
 158          DQ       0       0      36     350

 159          KK    C62K
 160          KM        ROUTE FLOW FROM C4 TO C62K.
 161          RM       1    2.06      .2

 162          KK      C4
 163          KM        RETURN DIVERTED FLOW AT C4.
 164          DR    DIV4

 165          KK      C5
 166          KM        ROUTE DIVERTED FLOW FROM C4 TO C5.
 167          RM       1     .21      .2

 168          KK       5
 169          KM        RUNOFF FROM SUBWATERSHED 5.
 170          BA     .35
 171          LS             78
 172          UK     100   .0160     .11     100
 173          RK    7625   .0126     .05                     25       8
```

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

 174        KK      C5
 175        KM        ADD HYDROGRAPHS AT C5.
 176        HC       2

 177        KK      C5
 178        KM        STORAGE ROUTE THROUGH C5.  48" CMP AND 4'X4' BC ON R.R.
 179        RS       1    STOR       0       0
 180        SV       0     .25    1.01    2.91    6.52    8.88    11.5
 181        SQ       0      34      92     148     168     267     533
 182        SE    1940    1942    1944    1946    1947    1948    1949

 183        KK      C5
 184        KM        DIVERT FLOW AT C5.
 185        DT    DIV5
 186        DI       0     168     267     533
 187        DQ       0       0      75     333

 188        KK    C62K
 189        KM        ROUTE FLOW FROM C5 TO C62K.
 190        RM       1    1.45      .2

 191        KK    C62K
 192        KM        ADD HYDROGRAPHS AT C62K.
 193        HC       5

 194        KK      C5
 195        KM        RETURN DIVERTED FLOW AT C5.
 196        DR    DIV5

 197        KK      C6
 198        KM        ROUTE DIVERTED FLOW FROM C5 TO C6.
 199        RM       1     .16      .2

 200        KK       6
 201        KM        RUNOFF FROM SUBWATERSHED 6.
 202        BA     .03
 203        LS              81
 204        UK     100   .0160     .10     100
 205        RK    1400   .0107     .05                     0      20

 206        KK      C6
 207        KM        ADD HYDROGRAPHS AT C6.
 208        HC       2

 209        KK      C6
 210        KM        STORAGE ROUTE THROUGH C6.  36" CMP ON R.R.
 211        RS       1    STOR       0       0
 212        SV       0     .06     .47    1.20    2.32
 213        SQ       0       4      12      95     392
 214        SE  1945.5    1946    1947    1948    1949
```

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

 215          KK      C6
 216          KM        DIVERT FLOW AT C6.
 217          DT    DIV6
 218          DI       0      12      95     392
 219          DQ       0       0      68     350

 220          KK    C62K
 221          KM        ROUTE FLOW FROM C6 TO C62K.
 222          RM       1    2.29      .2

 223          KK      C6
 224          KM        RETURN DIVERTED FLOW AT C6.
 225          DR    DIV6

 226          KK      C7
 227          KM        ROUTE DIVERTED FLOW AT C6 TO C7.
 228          RM       1     .08      .2

 229          KK       7
 230          KM        RUNOFF FROM SUBWATERSHED 7.
 231          BA     .04
 232          LS              81
 233          UK     150   .0160     .10     100
 234          RK    3125   .0138     .05                       0      25

 235          KK      C7
 236          KM        ADD HYDROGRAPHS AT C7.
 237          HC       2

 238          KK      C7
 239          KM        STORAGE ROUTE THROUGH C7.  48" ORCP ON R.R.
 240          RS       1    STOR       0       0
 241          SV       0     .63    3.73    6.87   10.75
 242          SQ       0      23      70      90     250
 243          SE    1940    1942    1944    1945    1946

 244          KK      C7
 245          KM        DIVERT FLOW AT C7.
 246          DT    DIV7
 247          DI       0      90     250
 248          DQ       0       0     135

 249          KK    C62K
 250          KM        ROUTE FLOW FROM C7 TO C62K.
 251          RM       1    1.72      .2

 252          KK     62K
 253          KM        RUNOFF FROM SUBWATERSHED 62K
 254          BA    1.40
 255          LS       0      76       0
 256          UK     400   .0150     .11     100
```

```
 257        RK    3600   .0093     .05     .23                0      25
 258        RK   17125   .0093     .05                       20      25
```



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

 259        KK    C62K
 260        KM       ADD HYDROGRAPHS AT C62K
 261        HC       4

 262        KK    C62G
 263        KM       ROUTE FLOW FROM C62K TO C62G
 264        RM       1     .45      .2

 265        KK      C7
 266        KM       RETURN DIVERTED FLOW AT C7.
 267        DR    DIV7

 268        KK      C8
 269        KM       ROUTE DIVERTED FLOW AT C7 TO C8.
 270        RM       1     .06      .2

 271        KK       8
 272        KM       RUNOFF FROM SUBWATERSHED 8
 273        BA     .01
 274        LS       0      81       0
 275        UK     100   .0160     .10     100
 276        RK    1000   .0100     .05                        0      30

 277        KK      C8
 278        KM       ADD HYDROGRAPHS AT C8.
 279        HC       2

 280        KK      C8
 281        KM       STORAGE ROUTE THROUGH C8.  36" RCP ON R.R.
 282        RS       1    STOR       0       0
 283        SV       0     .15     .42     .84
 284        SQ       0      11      20      71
 285        SE  1938.5    1940    1941    1942

 286        KK      C8
 287        KM       DIVERT FLOW AT C8.
 288        DT    DIV8
 289        DI       0      20      71
 290        DQ       0       0      29

 291        KK    C62G
 292        KM       ROUTE FLOW FROM C8 TO C62G
 293        RM       1    3.78      .2

 294        KK      C8
 295        KM       RETURN DIVERTED FLOW AT C8.
 296        DR    DIV8

 297        KK      C9
 298        KM       ROUTE DIVERTED FLOW AT C8 TO C9.
 299        RM       1     .13      .2
```

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

 300          KK      9
 301          KM       RUNOFF FROM SUBWATERSHED 9
 302          BA    .08
 303          LS      0      81       0
 304          UK    150   .0160     .10     100
 305          RK   4750   .0114     .05                      0      25

 306          KK     C9
 307          KM       ADD HYDROGRAPHS AT C9.
 308          HC      2

 309          KK     C9
 310          KM       STORAGE ROUTE THROUGH C9.  2'X4' BC ON R.R.
 311          RS      1    STOR       0       0
 312          SV      0     .24     .85
 313          SQ      0      12     122
 314          SE   1932    1933    1934

 315          KK     C9
 316          KM       DIVERT FLOW AT C9.
 317          DT   DIV9
 318          DI      0      12     122
 319          DQ      0       0      90

 320          KK   C62G
 321          KM       ROUTE FLOW FROM C9 TO C62G
 322          RM      1    3.11      .2

 323          KK    62G
 324          KM       RUNOFF FROM SUBWATERSHED 62G
 325          BA   1.86
 326          LS      0      78       0
 327          UK    300   .0150     .12     100
 328          RK   3500   .0105     .05     .27              0      25
 329          RK  18250   .0105     .05                     10      25

 330          KK   C62G
 331          KM       ADD HYDROGRAPHS AT C62G
 332          HC      4

 333          KK   C62E
 334          KM       ROUTE FLOW FROM C62G TO C62E
 335          RM      1     .33      .2

 336          KK    62E
 337          KM       RUNOFF FROM SUBWATERSHED 62E
 338          BA    .68
 339          LS      0      78       0
 340          UK    400    .015     .13     100
 341          RK   3000   .0101     .05     .23   TRAP             20
 342          RK  13625   .0101     .05           TRAP     10      15
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 343        KK    C62E
 344        KM       ADD HYDROGRAPHS AT C62E
 345        HC       2

 346        KK     10A
 347        KM       RUNOFF FROM SUBWATERSHED 10A.
 348        BA    4.94
 349        LS       0      83       0
 350        UI       0     160     400     819    1346    1859    1920    2040    1795    1415
 351        UI    1167     991     837     663     560     464     434     408     334     259
 352        UI     246     157     125     120     106      68      66      63      61      59
 353        UI      46      30      29      29      28      24       0       0       0       0

 354        KK     C10
 355        KM       ROUTE FLOW FROM C10A TO C10.
 356        RM       1    1.36      .2

 357        KK      C9
 358        KM       RETURN DIVERTED FLOW AT C9.
 359        DR    DIV9

 360        KK     C10
 361        KM       ROUTE DIVERTED FLOW AT C9 TO C10.
 362        RM       1     .13      .2
                          K       X
 363        KK      10
 364        KM       RUNOFF FROM SUBWATERSHED 10.
 365        BA    3.93
 366        LS             79
 367        UK     300    .025     .10     100
 368        RK    5500   .0123     .05     .26    TRAP             12
 369        RK   31875   .0123     .05            TRAP      40     12

 370        KK     C10
 371        KM       ADD HYDROGRAPHS AT C10.
 372        HC       3

 373        KK     C10
 374        KM       STORAGE ROUTE THROUGH C1.  IONA WASH HAS A 168' BRIDGE ON THE R.R.
 375        KM       ASSUMED 12-14'X7' BC'S
 376        RS       1    STOR       0       0
 377        SV       0     .76     2.0    4.34    8.08   13.24   19.74
 378        SQ       0    1568    3192    7392   10416   13440   14784
 379        SE    1920    1922    1924    1926    1928    1930    1931

 380        KK    C62E
 381        KM       ROUTE FLOW FROM C10 TO C62E.
 382        RM       1    1.28      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 383          KK      11
 384          KM        RUNOFF FROM SUBWATERSHED 11
 385          BA     .20
 386          LS       0      81       0
 387          UK     200   .0190     .10     100
 388          RK    1300   .0155     .05     .10    TRAP             15
 389          RK    7750   .0155     .05            TRAP     15      10

 390          KK      12
 391          KM        RUNOFF FROM SUBWATERSHED 12
 392          BA    .002
 393          LS       0      81       0
 394          UK     100   .0118     .10     100
 395          RK     850   .0118     .05    .002    TRAP             20

 396          KK     C11
 397          KM        ADD HYDROGRAPHS AT C11.
 398          HC       2

 399          KK     C11
 400          KM        STORAGE ROUTE THROUGH C11.  2'X1.5' BC AND 34"X36" CPA.
 401          RS       1    STOR       0       0
 402          SV       0     .57    4.63   16.79
 403          SQ       0      35      75     115
 404          SE    1913    1916    1920    1924

 405          KK    C62E
 406          KM        ROUTE FLOW FROM C11 TO C62E
 407          RM       1    2.88      .2

 408          KK      13
 409          KM        RUNOFF FROM SUBWATERSHED 13
 410          BA     .10
 411          LS       0      81       0
 412          UK     150   .0250     .11     100
 413          RK    2200   .0162     .05     .05    TRAP      0      30
 414          RK    5250   .0162     .05            TRAP     15      10

 415          KK     C13
 416          KM        STORAGE ROUTE THROUGH C13.  2-42" RCP ON R.R.
 417          RS       1    STOR       0       0
 418          SV       0     .19    2.33    6.89    11.2
 419          SQ       0      24     164     250     280
 420          SE  1906.5    1908    1912    1916    1918

 421          KK    C62E
 422          KM        ROUTE FLOW FROM C13 TO C62E
 423          RM       1    2.70      .2
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 424        KK    C62E
 425        KM        ADD HYDROGRAPHS AT C62E.
 426        HC       4

 427        KK      14
 428        KM        RUNOFF FROM SUBWATERSHED 14
 429        BA     .01
 430        LS       0      81       0
 431        UK     100   .0106     .10     100
 432        RK     850   .0106     .05     .01    TRAP             30

 433        KK    C62E
 434        KM        ROUTE FLOW FROM C14 TO C62E
 435        RM       1    3.93      .2

 436        KK      15
 437        KM        RUNOFF FROM SUBWATERSHED 15
 438        BA     .57
 439        LS       0      81       0
 440        UK     200   .0200     .10     100
 441        RK    3500   .0159     .05     .11    TRAP             25
 442        RK   13875   .0159     .05            TRAP      25      5

 443        KK     C15
 444        KM        STORAGE ROUTE THROUGH C15.  4'X4' CPA AND 2'X1.5' BC ON R.R.
 445        RS       1    STOR       0       0
 446        SV       0    2.78    9.36   17.15   18.85
 447        SQ       0      92     188     295     500
 448        SE    1898    1902    1906    1909  1909.5

 449        KK     C15
 450        KM        DIVERT FLOW AT C15.
 451        DT   DIV15
 452        DI       0     188     295     500
 453        DQ       0       0      55     250

 454        KK    C62E
 455        KM        ROUTE FLOW FROM C15 TO C62E
 456        RM       1    2.00      .2

 457        KK      16
 458        KM        RUNOFF FROM SUBWATERSHED 16
 459        BA     .62
 460        LS       0      81       0
 461        UK     200    .025     .10     100
 462        RK    2600   .0166     .05     .09    TRAP             20
 463        RK   13500   .0166     .05            TRAP      25     10

 464        KK     C15
 465        KM        RETURN DIVERT AT C15.
 466        DR   DIV15
```

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

 467          KK     C16
 468          KM        ROUTE DIVERTED FLOW AT C15 TO C16.
 469          RM       1     .10      .2

 470          KK     C16
 471          KM        ADD HYDROGRAPHS AT C16.
 472          HC       2

 473          KK     C16
 474          KM        STORAGE ROUTE THROUGH C16.  24" RCP AND  36"X42" CPA ON R.R.
 475          RS       1    STOR       0       0
 476          SV       0     .56    3.22    8.05    9.51   11.06   14.36
 477          SQ       0      42      82      90     125     225     720
 478          SE  1892.5    1896    1900  1902.5    1903  1903.5  1904.5

 479          KK     C16
 480          KM        DIVERT FLOW AT C16
 481          DT   DIV16
 482          DI       0      90     125     225     720
 483          DQ       0       0      25     115     600

 484          KK    C62E
 485          KM        ROUTE FLOW FROM C16 TO C62E
 486          RM       1    2.29      .2

 487          KK      17
 488          KM        RUNOFF FROM SUBWATERSHED 17
 489          BA     .05
 490          LS       0      81       0
 491          UK     200   .0250     .10     100
 492          RK    2500   .0180     .05     .05    TRAP              20

 493          KK     C16
 494          KM        RETURN DIVERTED FLOW AT C16.
 495          DR   DIV16

 496          KK     C17
 497          KM        ROUTE DIVERTED FLOW AT C16 TO C17.
 498          RM       1     .04      .2

 499          KK     C17
 500          KM        ADD HYDROGRAPHS AT C17.
 501          HC       2

 502          KK     C17
 503          KM        STORAGE ROUTE THROUGH C17.  42" ORCP ON R.R.
 504          RS       1    STOR       0       0
 505          SV       0     .28     1.7    2.26    2.92    4.30
 506          SQ       0      42      85     104     166     480
 507          SE    1895    1898  1900.5    1901  1901.5  1902.5
```

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

 508          KK     C17
 509          KM        DIVERT FLOW AT C17.
 510          DT   DIV17
 511          DI       0      85     104     166     480
 512          DQ       0       0      14      68     375

 513          KK    C62E
 514          KM        ROUTE FLOW FROM C17 TO C62E
 515          RM       1    2.34      .2

 516          KK    C62E
 517          KM        ADD HYDROGRAPHS AT C62E.
 518          HC       5

 519          KK      18
 520          KM        RUNOFF FROM SUBWATERSHED 18
 521          BA     .04
 522          LS       0      81       0
 523          UK     200   .0250     .10     100
 524          RK    2100   .0143     .05     .04    TRAP             15

 525          KK     C17
 526          KM        RETURN DIVERT AT C17.
 527          DR   DIV17

 528          KK     C18
 529          KM        ROUTE DIVERTED FLOW AT C17 TO C18.
 530          RM       1     .08      .2

 531          KK     C18
 532          KM        ADD HYDROGRAPHS AT C18.
 533          HC       2

 534          KK     C18
 535          KM        STORAGE ROUTE THROUGH C18.  2'X1.5' BC, 24" RCP, AND 36" RCP ON R.R.
 536          RS       1    STOR       0       0
 537          SV       0    1.14    2.31    5.99    7.27
 538          SQ       0      19      87     140     347
 539          SE  1888.5  1890.5  1891.5  1894.5  1895.5

 540          KK     C18
 541          KM        DIVERT FLOW AT C18.
 542          DT   DIV18
 543          DI       0      19      87     140     347
 544          DQ       0       0      52      70     267

 545          KK    C62E
 546          KM        ROUTE FLOW FROM C18 TO C62E
 547          RM       1    2.71      .2
```

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

 548        KK      19
 549        KM        RUNOFF FROM SUBWATERSHED 19.
 550        BA     .14
 551        LS       0      81       0
 552        UK     200   .0250     .10     100
 553        RK    2500   .0144     .05     .07    TRAP             15
 554        RK    7625   .0144     .05            TRAP             15

 555        KK     C18
 556        KM        RETURN DIVERT AT C18.
 557        DR   DIV18

 558        KK     C19
 559        KM        ROUTE DIVERTED FLOW AT C18 TO C19.
 560        RM       1    .024      .2

 561        KK     C19
 562        KM        ADD HYDROGRAPHS AT C19.
 563        HC       2

 564        KK     C19
 565        KM        STORAGE ROUTE THROUGH C19.  36" RCP ON R.R.
 566        RS       1    STOR       0       0
 567        SV       0     .10     .57    1.67    8.22    9.31   10.42
 568        SQ       0      11      42      65     100     226     410
 569        SE  1884.5    1886    1888    1890  1894.5    1895  1895.5

 570        KK     C19
 571        KM        DIVERT FLOW AT C19.
 572        DT   DIV19
 573        DI       0     100     226     410
 574        DQ       0       0     106     300

 575        KK    C62E
 576        KM        ROUTE FLOW FROM C19 TO C62E
 577        RM       1    2.31      .2

 578        KK      20
 579        KM        RUNOFF FROM SUBWATERSHED 20
 580        BA     .70
 581        LS       0      80       0
 582        UK     200   .0200     .10     100
 583        RK    3500   .0159     .05     .10    TRAP             15
 584        RK   16375   .0159     .05            TRAP     30      10

 585        KK     C19
 586        KM        RETURN DIVERT AT C19.
 587        DR   DIV19
```

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

 588          KK     C20
 589          KM        ROUTE DIVERTED FLOW AT C19 TO C20.
 590          RM       1    .021      .2

 591          KK     C20
 592          KM        ADD HYDROGRAPHS AT C20.
 593          HC       2

 594          KK     C20
 595          KM        STORAGE ROUTE THROUGH C20.  2-3'X3' BC'S.
 596          RS       1    STOR       0       0
 597          SV       0     .16    1.20    1.60    2.10    3.25    3.86
 598          SQ       0      72     156     182     234     550     760
 599          SE  1883.5    1886  1888.5    1889  1889.5    1891  1891.5

 600          KK     C20
 601          KM        DIVERT FLOW AT C20.
 602          DT   DIV20
 603          DI       0     156     182     234     550     760
 604          DQ       0       0       8      36     340     540

 605          KK    C62E
 606          KM        ROUTE FLOW FROM C20 TO C62E
 607          RM       1    1.81      .2

 608          KK      21
 609          KM        RUNOFF FROM SUBWATERSHED 21
 610          BA     .02
 611          LS       0      72       0
 612          UK     100   .0142     .11     100
 613          RK    1550   .0142     .05     .02    TRAP             30

 614          KK     C20
 615          KM        RETURN DIVERTED FLOW AT C20.
 616          DR   DIV20

 617          KK     C21
 618          KM        ROUTE DIVERTED FLOW AT C20 TO C21.
 619          RM       1     .06      .2

 620          KK     C21
 621          KM        ADD HYDROGRAPHS AT C21.
 622          HC       2

 623          KK     C21
 624          KM        STORAGE ROUTE THROUGH C21.  2'X1.5' BC ON R.R.
 625          RS       1    STOR       0       0
 626          SV       0     .06     .38     .94    1.26
 627          SQ       0       6      75     345     588
 628          SE  1886.5  1887.5  1888.5  1889.5    1890
```

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

 629          KK     C21
 630          KM        DIVERT FLOW AT C21.
 631          DT   DIV21
 632          DI      0       6      75     345     588
 633          DQ      0       0      59     323     564

 634          KK    C62E
 635          KM        ROUTE FLOW FROM C21 TO C62E
 636          RM      1    3.36      .2

 637          KK    C62E
 638          KM        ADD HYDROGRAPHS AT C62E.
 639          HC      5

 640          KK     62F
 641          KM        RUNOFF FROM SUBWATERSHED 62F.
 642          BA    2.18
 643          LS             77
 644          UK     400    .015     .12     100
 645          RK    5500   .0095     .05    .545    TRAP             15
 646          RK   22000   .0095     .05            TRAP     50      15

 647          KK    C62E
 648          KM        ADD HYDROGRAPHS AT C62E.
 649          HC      2

 650          KK    C62D
 651          KM        ROUTE FLOW FROM C62E TO C62D
 652          RM      1     .12      .2

 653          KK     62D
 654          KM        RUNOFF FROM SUBWATERSHED 62D
 655          BA    1.66
 656          LS      0      81       0
 657          UK     350   .0110     .13     100
 658          RK    2600    .007     .05     .06    TRAP             20
 659          RK   19750    .007     .05            TRAP     20      15

 660          KK    C62D
 661          KM        ADD HYDROGRAPHS AT C62D
 662          HC      2

 663          KK    C62B
 664          KM        ROUTE FLOW FROM C62D TO C62B
 665          RM      1     .29      .2

 666          KK     62B
 667          KM        RUNOFF FROM SUBWATERSHED 62B
 668          BA    0.49
 669          LS      0      74       0
 670          UK     200    .011     .13     100
```

```
671        RK    1500   .0072     .05    .245    TRAP              25
672        RK    9750   .0072     .05            TRAP      35      30
```



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

673        KK     62C
674        KM        RUNOFF FROM SUBWATERSHED 62C
675        BA    0.40
676        LS       0      81       0
677        UK     200    .012     .12     100
678        RK    1200   .0076     .05     .20    TRAP              20
679        RK    9250   .0076     .05            TRAP      20      15

680        KK    C62B
681        KM        ADD HYDROGRAPHS AT C62B
682        HC       3

683        KK     C62
684        KM        ROUTE FLOW FROM C62B TO C62
685        RM       1    1.30      .2

686        KK     62A
687        KM        RUNOFF FROM SUBWATERSHED 62A
688        BA    1.58
689        LS       0      81       0
690        UK     300    .011     .11     100
691        RK    2000   .0069     .05    .395    TRAP              30
692        RK   18000   .0069     .05            TRAP      35      25

693        KK     C62
694        KM        ROUTE FLOW FROM C62A TO C62
695        RM       1    2.15      .2

696        KK      62
697        KM        RUNOFF FROM SUBWATERSHED 62
698        BA    5.09
699        LS       0      76       0
700        UK     600    .0065     .11     100
701        RK    4200   .0045     .05     .73    TRAP              45
702        RK   22000   .0045     .05            TRAP      35      40

703        KK     C62
704        KM        ADD HYDROGRAPHS AT C62
705        HC       3

706        KK     C62
707        KM        STORAGE ROUTE THROUGH C62.  47.3' WIDE OVERCHUTE ON CAP WEST OF GRAND.
708        RS       1    STOR       0       0
709        SV       0   16.23  133.39  466.23  584.29  733.69
710        SQ       0       0     662    2460    8081   34672
711        SE    1542  1545.2    1548    1552    1553    1554

712        KK    C83T
713        KM        ROUTE FLOW AT C62 TO C83T.
714        RM       1    1.25      .2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 715          KK     83T
 716          KM        RUNOFF FROM SUBWATERSHED 83T
 717          BA    1.29
 718          LS       0      75       0
 719          UK     300    .008     .12     100
 720          RK    2700   .0053     .06     .22    TRAP       0      35
 721          RK   21000   .0053     .05            TRAP      20      30

 722          KK    C83T
 723          KM        ADD HYDROGRAPHS AT C83T.
 724          HC       2

 725          KK     C21
 726          KM        RETURN DIVERT AT C21.
 727          DR   DIV21

 728          KK     C22
 729          KM        ROUTE DIVERTED FLOW FROM C21 TO C22.
 730          RM       1     .12      .2

 731          KK      22
 732          KM        RUNOFF FROM SUBWATERSHED 22.
 733          BA     .26
 734          LS              72
 735          UK     400    .020     .10     100
 736          RK    7200   .0132     .05     .26    TRAP              15

 737          KK     C22
 738          KM        ADD HYDROGRAPHS AT C22.
 739          HC       2

 740          KK     C22
 741          KM        STORAGE ROUTE THROUGH C22.  2'X1' BC AND 36"X42" CPA ON R.R.
 742          RS       1    STOR       0       0
 743          SV       0     .10     .74    2.33    2.89    3.48    4.09
 744          SQ       0      11      42      70     135     280     500
 745          SE  1872.5    1874    1876    1878  1878.5    1879  1879.5

 746          KK     C22
 747          KM        DIVERT FLOW AT C22.
 748          DT   DIV22
 749          DI       0      70     135     280     500
 750          DQ       0       0      60     200     415

 751          KK    C63B
 752          KM        ROUTE FLOW FROM C22 TO C63B.
 753          RM       1    1.64      .2

 754          KK     C22
 755          KM        RETURN DIVERTED FLOW AT C22.
 756          DR   DIV22
```

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

 757          KK    C23
 758          KM       ROUTE DIVERTED FLOW AT C22 TO C23.
 759          RM      1    .033      .2

 760          KK     23
 761          KM       RUNOFF FROM  SUBWATERSHED 23.
 762          BA    .006
 763          LS              72
 764          UK     100   .0143     .10     100
 765          RK     700   .0143     .05    .006    TRAP       0      30

 766          KK    C23
 767          KM       ADD HYDROGRAPHS AT C23.
 768          HC      2

 769          KK    C23
 770          KM       STORAGE ROUTE THROUGH C23.  2-10'X4' BC ON R.R.
 771          RS      1    STOR       0       0
 772          SV      0     .14     .51     .88
 773          SQ      0     110     460     707
 774          SE  1870.5    1872  1874.5  1875.5

 775          KK    C23
 776          KM       DIVERT FLOW AT C23.
 777          DT   DIV23
 778          DI      0     460     707
 779          DQ      0       0      87

 780          KK    C63B
 781          KM       ROUTE FLOW FROM C23 TO C63B.
 782          RM      1    1.21      .2

 783          KK    C23
 784          KM       RETURN DIVERT AT C23.
 785          DR   DIV23

 786          KK    C24
 787          KM       ROUTE DIVERTED FLOW AT C23 TO C24.
 788          RM      1     .11      .2

 789          KK     24
 790          KM       RUNOFF FROM SUBWATERSHED 24.
 791          BA    .006
 792          LS              72
 793          UK      50   .0118     .10     100
 794          RK     850   .0118     .05    .004    TRAP              30

 795          KK    C24
 796          KM       ADD HYDROGRAPHS AT C24.
 797          HC      2
```

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

 798          KK   C24
 799          KM       STORAGE ROUTE THROUGH C24.  24" ORCP ON R.R.
 800          RS     1    STOR      0      0
 801          SV     0     .67     .94   1.24
 802          SQ     0      17      44    150
 803          SE  1870.5   1873  1873.5   1874

 804          KK   C24
 805          KM       DIVERT FLOW  AT C24.
 806          DT   DIV24
 807          DI     0      17      44    150
 808          DQ     0       0      23    126

 809          KK   C63B
 810          KM       ROUTE FLOW FROM C24 TO C63B.
 811          RM     1    1.65      .2

 812          KK    C24
 813          KM         RETURN DIVERT AT C24.
 814          DR   DIV24

 815          KK   C25
 816          KM       ROUTE DIVERTED FLOW AT C24 TO C25.
 817          RM     1     .11      .2

 818          KK     25
 819          KM       RUNOFF FROM SUBWATERSHED 25.
 820          BA    .05
 821          LS              72
 822          UK    150   .0200     .10    100
 823          RK   2450   .0143     .05    .05   TRAP            40

 824          KK   C25
 825          KM       ADD HYDROGRAPHS AT C25.
 826          HC     2

 827          KK   C25
 828          KM       STORAGE ROUTE THROUGH C25.  48" ORCP ON R.R.
 829          RS     1    STOR      0      0
 830          SV     0     .39     .58     .8   1.04
 831          SQ     0      23      52     99    171
 832          SE  1860.5  1862.5   1863  1863.5   1864

 833          KK   C25
 834          KM       DIVERT FLOW AT C25.
 835          DT   DIV25
 836          DI     0      23      52     99    171
 837          DQ     0       0      15     52    113
```

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

 838          KK   C63B
 839          KM       ROUTE FLOW FROM C25 TO C63B.
 840          RM     1    1.97      .2

 841          KK   C63B
 842          KM       ADD HYDROGRAPHS AT C63B.
 843          HC     4

 844          KK    26B
 845          KM       RUNOFF FROM SUBWATERSHED 26B.
 846          BA  12.72
 847          LS            86
 848          UI     0    338    778   1523   2576   3691   4131   4635   4635   4085
 849          UI  3258   2817   2330   2215   1580   1471   1204   1050    990    937
 850          UI   858    602    574    536    295    283    272    259    157    151
 851          UI   146    141    137    163     71     69     67     65     64     62
 852          UI    33      0      0      0      0      0      0      0      0      0

 853          KK   C26A
 854          KM       ROUTE FLOW FROM C26B TO C26A.
 855          RM     1    .46      .2

 856          KK    26A
 857          KM       RUNOFF FROM SUBWATERSHED 26A.
 858          BA   2.26
 859          LS            79
 860          UI     0    110    333    715   1044   1207   1152    847    664    559
 861          UI   399    325    268    246    200    151    121     75     70     52
 862          UI    39     37     36     32     19     17     17     16      0      0

 863          KK   C26A
 864          KM       ADD HYDROGRAPHS AT C26A.
 865          HC     2

 866          KK    C26
 867          KM       ROUTE FLOW FROM C26A TO C26.
 868          RM     1    .67      .2

 869          KK    C25
 870          KM       RETURN DIVERTED FLOW AT C25.
 871          DR  DIV25

 872          KK    C26
 873          KM       ROUTE DIVERTED FLOW AT C25 TO C26.
 874          RM     1    .09      .2

 875          KK     26
 876          KM       RUNOFF FROM SUBWATERSHED 26.
 877          BA   1.12
 878          LS            74
 879          UK   200   .0180     .10    100
```

```
880        RK    5500   .0135     .05     .22    TRAP            20
881        RK   19100   .0135     .05            TRAP     60     15
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LINE       ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

882        KK    C26
883        KM        ADD HYDROGRAPHS AT C26.
884        HC       3

885        KK    C26
886        KM        STORAGE ROUTE THROUGH C26.  TRIBLY WASH, 237' 17-SPAN 237' BRIDGE.
887        KM        ASSUME 24-10'X4' BC'S.
888        RS       1    STOR       0       0
889        SV       0     .51    1.65    2.63
890        SQ       0    2040    5520    7200
891        SE    1854    1856    1858    1859

892        KK    C63B
893        KM        ROUTE FLOW FROM C26 TO C63B.
894        RM       1     .53      .2

895        KK      27
896        KM        RUNOFF FROM SUBWATERSHED 27.
897        BA     .06
898        LS              72
899        UK     200    .020     .10     100
900        RK    2700   .0130     .05     .06    TRAP            30

901        KK    C27
902        KM        STORAGE ROUTE THROUGH C27.  3'X2.5' BC AND 36" DRCP ON R.R.
903        RS       1    STOR       0       0
904        SV       0     .14     .40     .58
905        SQ       0      11      24      91
906        SE  1846.5    1848    1849  1849.5

907        KK    C27
908        KM        DIVERT FLOW AT C27.
909        DT   DIV27
910        DI       0      24      91
911        DQ       0       0      56

912        KK    C63B
913        KM        ROUTE FLOW FROM C27 TO C63B.
914        RM       1    1.70      .2

915        KK     63B
916        KM        RUNOFF FROM SUBWATERSHED 63B.
917        BA    1.44
918        LS              81
919        UK     250    .015     .12     100
920        RK    2100   .0111     .05     .20    TRAP            15
921        RK   14500   .0111     .05            TRAP     25     20

922        KK    C63B
923        KM        ADD HYDROGRAPHS AT C63B.
924        HC       4
```

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

 925          KK    C63C
 926          KM        ROUTE FLOW FROM C63B TO C63C.
 927          RM       1     .32      .2

 928          KK     C27
 929          KM        RETURN DIVERTED FLOW AT C27.
 930          DR   DIV27

 931          KK     C28
 932          KM        ROUTE DIVERTED FLOW AT C27 TO C28.
 933          RM       1     .25      .2

 934          KK      28
 935          KM        RUNOFF FROM SUBWATERSHED 28.
 936          BA     .24
 937          LS              75
 938          UK     200    .020     .10     100
 939          RK    2000   .0147     .05     .08    TRAP              25
 940          RK    7500   .0147     .05            TRAP      10       8

 941          KK     C28
 942          KM        ADD HYDROGRAPHS AT C28.
 943          HC       2

 944          KK     C28
 945          KM        STORAGE ROUTE THROUGH C28.  36"X42" DRCP ON R.R.
 946          RS       1    STOR       0       0
 947          SV       0     .10     .55    1.18    2.14    3.46
 948          SQ       0      11      43      60     172     453
 949          SE  1820.5    1822    1824    1825    1826    1827

 950          KK     C28
 951          KM        DIVERT FLOW AT C28.
 952          DT   DIV28
 953          DI       0      60     172     453
 954          DQ       0       0     102     373

 955          KK     C63C
 956          KM        ROUTE FLOW FROM C28 TO C63C.
 957          RM       1    4.04      .2

 958          KK     C28
 959          KM        RETURN DIVERTED FLOW AT C28.
 960          DR   DIV28

 961          KK     C29
 962          KM        ROUTE DIVERTED FLOW AT C28 TO C29.
 963          RM       1    .044      .2
```

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

 964          KK     29
 965          KM        RUNOFF FROM SUBWATERSHED 29.
 966          BA    .01
 967          LS              81
 968          UK    100   .0300     .10     100
 969          RK   1150   .0174     .05     .01    TRAP             40

 970          KK    C29
 971          KM        ADD HYDROGRAPHS AT C29.
 972          HC      2

 973          KK    C29
 974          KM        STORAGE ROUTE THROUGH C29.  36" ORCP ON R.R.
 975          RS      1    STOR       0       0
 976          SV      0     .38     .95    1.62
 977          SQ      0      11      24     225
 978          SE  1820.5    1822    1823    1824

 979          KK    C29
 980          KM        DIVERT FLOW AT C29.
 981          DT   DIV29
 982          DI      0      24     225
 983          DQ      0       0     183

 984          KK   C63C
 985          KM        ROUTE FLOW FROM C29 TO C63C.
 986          RM      1    4.69      .2

 987          KK    C29
 988          KM        RETURN DIVERT AT C29.
 989          DR   DIV29

 990          KK    C30
 991          KM        ROUTE DIVERTED FLOW AT C29 TO C30.
 992          RM      1    .029      .2

 993          KK     30
 994          KM        RUNOFF FROM SUBWATERSHED 30.
 995          BA    .01
 996          LS              81
 997          UK    100   .0300     .10     100
 998          RK   1100   .0182     .05     .01    TRAP             15

 999          KK    C30
1000          KM        ADD HYDROGRAPHS AT C30.
1001          HC      2

1002          KK    C30
1003          KM        STORAGE ROUTE THROUGH C30.  48" ORCP ON R.R.
1004          RS      1    STOR       0       0
1005          SV      0     .51    1.78    2.51
```

```
1006        SQ      0      45     100     285
1007        SE   1823    1826  1828.5  1829.5
```



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

1008        KK    C30
1009        KM        DIVERT FLOW AT C30.
1010        DT   DIV30
1011        DI      0     100     285
1012        DQ      0       0     160

1013        KK    C63C
1014        KM        ROUTE FLOW FROM C30 TO C63C.
1015        RM      1    3.88      .2

1016        KK    C30
1017        KM        RETURN DIVERTED FLOW AT C30.
1018        DR   DIV30

1019        KK    C31
1020        KM        ROUTE DIVERTED FLOW AT C30 TO C31.
1021        RM      1    .053      .2

1022        KK     31
1023        KM        RUNOFF FROM SUBWATERSHED 31.
1024        BA    .63
1025        LS             77
1026        UK    200   .0300     .10     100
1027        RK   3000  . 0143     .05     .16    TRAP             10
1028        RK  17500   .0143     .05            TRAP      15     12

1029        KK    C31
1030        KM        ADD HYDROGRAPHS AT C31.
1031        HC      2

1032        KK    C31
1033        KM        STORAGE ROUTE THROUGH C31.  2-3'X4' BC ON R.R.
1034        RS      1    STOR       0       0
1035        SV      0     .24    1.45    6.53    9.87
1036        SQ      0      33     114     222     467
1037        SE  1804.5    1806    1808  1810.5  1811.5

1038        KK    C31
1039        KM        DIVERT FLOW AT C31.
1040        DT   DIV31
1041        DI      0     222     467
1042        DQ      0       0     215

1043        KK    C63C
1044        KM        ROUTE FLOW FROM C31 TO C63C.
1045        RM      1    2.74      .2

1046        KK    C63C
1047        KM        ADD HYDROGRAPHS AT C63C.
1048        HC      5
```

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

1049        KK    C31
1050        KM        RETURN DIVERT AT C31.
1051        DR   DIV31

1052        KK    C32
1053        KM        ROUTE DIVERTED FLOW AT C31 TO C32.
1054        RM      1    .103      .2

1055        KK     32
1056        KM        RUNOFF FROM SUBWATERSHED 32.
1057        BA    .05
1058        LS              81
1059        UK    200   .0200     .10     100
1060        RK   3000   .0133     .05     .05    TRAP            35

1061        KK    C32
1062        KM        ADD HYDROGRAPHS AT C32.
1063        HC      2

1064        KK    C32
1065        KM        STORAGE ROUTE THROUGH C32.  42" ORCP ON R.R.
1066        RS      1    STOR       0       0
1067        SV      0     .38     .89    1.65
1068        SQ      0      21      40     110
1069        SE   1798    1800    1801    1802

1070        KK    C32
1071        KM        DIVERT FLOW AT C32.
1072        DT   DIV32
1073        DI      0      40     110
1074        DQ      0       0      50

1075        KK   C63C
1076        KM        ROUTE FLOW FROM C32 TO C63C.
1077        RM      1    3.76      .2

1078        KK    C32
1079        KM        RETURN DIVERT AT C32.
1080        DR   DIV32

1081        KK    C33
1082        KM        ROUTE DIVERTED FLOW AT C32 TO C33.
1083        RM      1     .09      .2

1084        KK     33
1085        KM        RUNOFF FROM SUBWATERSHED 33.
1086        BA    .02
1087        LS              81
1088        UK    100   .0200     .10     100
1089        RK   1250   .0160     .05     .02    TRAP            30
```

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

1090        KK    C33
1091        KM       ADD HYDROGRAPHS AT C33.
1092        HC       2

1093        KK    C33
1094        KM       STORAGE ROUTE THROUGH C33.  24" CP AND 24" ORCP ON R.R.
1095        RS       1    STOR       0       0
1096        SV       0     .83    1.39
1097        SQ       0      16     154
1098        SE  1787.5  1790.5  1791.5

1099        KK    C33
1100        KM       DIVERT FLOW AT C33.
1101        DT   DIV33
1102        DI       0      16     154
1103        DQ       0       0     128

1104        KK   C63C
1105        KM       ROUTE FLOW FROM C33 TO C63C.
1106        RM       1    4.85      .2

1107        KK    63C
1108        KM       RUNOFF FROM SUBWATERSHED 63C.
1109        BA   1.70
1110        LS            83
1111        UK    200    .015     .12     100
1112        RK   2000   .0108     .05     .28    TRAP             15
1113        RK  15250   .0108     .05            TRAP     25      20

1114        KK   C63C
1115        KM       ADD HYDROGRAPHS AT C63C.
1116        HC       4

1117        KK    C63
1118        KM       ROUTE FLOW FROM C63C TO C63.
1119        RM       1    1.16      .2

1120        KK    63A
1121        KM       RUNOFF FROM SUBWATERSHED 63A.
1122        BA   2.67
1123        LS            78
1124        UK    350     .01     .12     100
1125        RK   5200    .010     .05     .24    TRAP             20
1126        RK  21250    .010     .05            TRAP     25      25

1127        KK    C63
1128        KM       ROUTE FLOW FROM C63A TO C63.
1129        RM       1    1.06      .2
```

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

1130        KK      63
1131        KM        RUNOFF FROM SUBWATERSHED 63.
1132        BA    2.78
1133        LS              78
1134        UK     400     .01     .12     100
1135        RK    3000   .0076     .05     .70    TRAP      10      25
1136        RK   20750   .0076     .05            TRAP      60      40

1137        KK     C63
1138        KM        ADD HYDROGRAPHS AT C63.
1139        HC       3

1140        KK     C63
1141        KM        STORAGE ROUTE THROUGH C63.  135.8' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1142        RS       1    STOR       0       0
1143        SV       0    5.34   60.37   122.3
1144        SQ       0    2310    9506   20740
1145        SE  1544.9    1548  1553.4    1556

1146        KK    C83T
1147        KM        ROUTE FLOW FROM C63 TO C83T
1148        RM       1    1.69      .2

1149        KK     84T
1150        KM        RUNOFF FROM SUBWATERSHED 84T
1151        BA    1.81
1152        LS       0      74       0
1153        UK     400    .006     .13     100
1154        RK    6000   .0037     .06     .36    TRAP       0      35
1155        RK   21800   .0037     .05            TRAP      40      30

1156        KK    C83T
1157        KM        ADD HYDROGRAPHS AT C83T
1158        HC       2

1159        KK    C83T
1160        KM        ADD HYDROGRAPHS AT C83T.
1161        HC       2

1162        KK    C78T
1163        KM        ROUTE FLOW FROM C83T TO C78T
1164        RM       1     .26      .2

1165        KK     60D
1166        KM        RUNOFF FROM SUBWATERSHED 60D.
1167        BA    1.78
1168        LS              85
1169        UK     400   .0150     .12     100
1170        RK    2200   .0075     .05     .59    TRAP              20
1171        RK   14875   .0075     .05            TRAP      25      20
```

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

1172        KK    C60B
1173        KM        ROUTE FLOW FROM C60D TO C60B.
1174        RM       1    1.37      .2

1175        KK     60B
1176        KM        RUNOFF FROM SUBWATERSHED 60B.
1177        BA    3.53
1178        LS              83
1179        UK     400   .0089     .12     100
1180        RK    2600   .0069     .05     .76    TRAP             25
1181        RK   28250   .0069     .05            TRAP     30      20

1182        KK    C60B
1183        KM        ADD HYDROGRAPHS AT C60B.
1184        HC       2

1185        KK    C60A
1186        KM        ROUTE FLOW FROM C60B TO C60A.
1187        RM       1     .59      .2

1188        KK     60C
1189        KM        RUNOFF FROM SUBWATERSHED 60C.
1190        BA    1.19
1191        LS              81
1192        UK     400    .010     .11     100
1193        RK    2800    .007     .05     .17    TRAP             20
1194        RK   11000    .007     .05            TRAP     25      20

1195        KK    C60A
1196        KM        ROUTE FLOW FROM C60C TO C60A.
1197        RM       1    1.88      .2

1198        KK     60A
1199        KM        RUNOFF FROM SUBWATERSHED 60A.
1200        BA    2.88
1201        LS              81
1202        UK     250   .0089     .12     100
1203        RK    1800   .0069     .05     .72    TRAP             25
1204        RK   21125   .0069     .05            TRAP     30      20

1205        KK    C60A
1206        KM        ADD HYDROGRAPHS AT C60A.
1207        HC       3

1208        KK     C60
1209        KM        ROUTE FLOW FROM C60A TO C60.
1210        RM       1     .54      .2

1211        KK      60
1212        KM        RUNOFF FROM SUBWATERSHED 60.
1213        BA    3.29
```

```
1214        LS            82
1215        UK    500   .0104     .12     100
1216        RK   4200   .0064     .05     .83    TRAP            30
```



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

1217        RK  23500   .0064     .05            TRAP     30      30

1218        KK    C60
1219        KM        ADD HYDROGRAPHS AT C60.
1220        HC      2

1221        KK     59
1222        KM        RUNOFF FROM SUBWATERSHED 59.
1223        BA   2.29
1224        LS            79
1225        UK    500    .009     .11     100
1226        RK   3500   .0059     .05     .76    TRAP            30
1227        RK  21000   .0059     .05            TRAP     30      30

1228        KK    C60
1229        KM        ROUTE FLOW FROM C59 TO C60.
1230        RM      1     .94      .2

1231        KK    C60
1232        KM        ADD HYDROGRAPHS AT C60.
1233        HC      2

1234        KK     61
1235        KM        RUNOFF FROM SUBWATERSHED 61.
1236        BA   1.27
1237        LS            83
1238        UK    350   .0084     .11     100
1239        RK   2450   .0064     .05     .25    TRAP            35
1240        RK  12500   .0064     .05            TRAP     30      40

1241        KK    C60
1242        KM        ROUTE FLOW FROM C61 TO C60.
1243        RM      1     .60      .2

1244        KK    C60
1245        KM        ADD HYDROGRAPHS AT C60.
1246        HC      2

1247        KK    C60
1248        KM        STORAGE ROUTE THROUGH C60.  67' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1249        RS      1    STOR       0       0
1250        SV      0   11.41   62.95  549.65
1251        SQ      0       0    1876    5695
1252        SE   1533  1535.6    1540  1545.1

1253        KK   C89T
1254        KM        ROUTE FLOW AT C60 TO C89T.
1255        RM      1     .39      .2

1256        KK    88T
1257        KM        RUNOFF FROM SUBWATERSHED 88T
1258        BA     .63
```

also associated spillway

collector channel

main channel

Catchment

subwatershed

- Subchannel to

- main channel length

```
1259        LS      0      75       0
1260        UK    200    .007     .13     100
1261        RK   2500   .0048     .06     .21    TRAP      0      25
```



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

1262        RK   6300   .0048     .05            TRAP     30      20

1263        KK   C89T
1264        KM       ADD HYDROGRAPHS AT C89T
1265        HC      2

1266        KK    90T
1267        KM       RUNOFF FROM SUBWATERSHED 90T
1268        BA   2.23
1269        LS      0      74       0
1270        UK    200    .016     .13     100
1271        RK   4500   .0133     .07     .74    TRAP      0      35
1272        RK  19000   .0133     .05            TRAP     20      30

1273        KK   C89T
1274        KM       ROUTE FLOW FROM C90T TO C89T
1275        RM      1     .88      .2

1276        KK   89AT
1277        KM       RUNOFF FROM SUBWATERSHED 89AT
1278        BA   2.69
1279        LS      0      80       0
1280        UI      0      59      119     188     294     440     594     746     919    1018
1281        UI    938    1052     1052    1052     852     752     703     622     540     510
1282        UI    527     367      350     334     308     249     240     230     222     214
1283        UI    207     193      138     134     130     126     103      67      65      64
1284        UI     62      60       56      36      35      34      33      33      32      31
1285        UI     31      30       31      16      16      15      15      15      15      14
1286        UI     14      14        6       0       0       0       0       0       0       0

1287        KK   C89T
1288        KM       ROUTE FLOW FROM C89AT TO C89T
1289        RM      1    1.24      .2

1290        KK    89T
1291        KM       RUNOFF FROM SUBWATERSHED 89T
1292        BA   3.39
1293        LS      0      73       0
1294        UK    250     .01     .14     100
1295        RK   4800   .0075     .06     .57    TRAP      0      30
1296        RK  16100   .0075     .05            TRAP     25      25

1297        KK   C89T
1298        KM       ADD HYDROGRAPHS AT C89T.
1299        HC      4

1300        KK   C87T
1301        KM       ROUTE FLOW FROM C89T TO C87T
1302        RM      1     .58      .2
```

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

1303          KK     87T
1304          KM        RUNOFF FROM SUBWATERSHED 87T
1305          BA    1.77
1306          LS       0      74       0
1307          UK     200    .008     .13     100
1308          RK    4200   .0049     .06     .35    TRAP       0      30
1309          RK   14300   .0049     .05            TRAP      30      25

1310          KK    C87T
1311          KM        ADD HYDROGRAPHS AT C87T.
1312          HC       2

1313          KK    86AT
1314          KM        RUNOFF FROM SUBWATERSHED 86AT
1315          BA    2.77
1316          LS       0      82       0
1317          UI       0     132     315     627    1048    1481    1628    1765    1765    1359
1318          UI    1182     950     846     708     573     495     406     381     359     335
1319          UI     230     219     196     112     107     103      88      59      57      55
1320          UI      53      51      49      27      26      25      24      24      16       0
1321          UI       0       0       0       0       0       0       0       0       0       0

1322          KK    C87T
1323          KM        ROUTE FLOW FROM C86AT TO C87T
1324          RM       1    1.39      .2

1325          KK     86T
1326          KM        RUNOFF FROM SUBWATERSHED 86T
1327          BA    3.10
1328          LS       0      73       0
1329          UK     350    .016     .15     100
1330          RK    8200   .0120     .07     .34    TRAP       0      30
1331          RK   24050   .0120     .05            TRAP      20      25

1332          KK     85T
1333          KM        RUNOFF FROM SUBWATERSHED 85T
1334          BA    4.75
1335          LS       0      90       0
1336          UI       0      86     174     246     405     548     787     989    1202    1448
1337          UI    1573    1452    1646    1646    1646    1610    1242    1167    1100     997
1338          UI     855     813     775     754     565     542     520     501     380     378
1339          UI     366     354     342     332     322     299     216     210     205     199
1340          UI     194     125     104     102      99      97      95     102      56      55
1341          UI      54      53      52      51      50      49      48      47      63      25
1342          UI      25      25      24      24      23      23      23      22      22      22
1343          UI       7       0       0       0       0       0       0       0       0       0

1344          KK    C87T
1345          KM        ADD HYDROGRAPHS AT C87T
1346          HC       4
```

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

1347        KK   C81T
1348        KM       ROUTE FLOW FROM C87T TO C81T
1349        RM      1     .29      .2

1350        KK    81T
1351        KM       RUNOFF FROM SUBWATERSHED 81T
1352        BA   1.40
1353        LS      0      75       0
1354        UK    250    .017     .14     100
1355        RK   3000   .0121     .07     .47    TRAP      0      30
1356        RK  13500   .0121     .05            TRAP     20      25

1357        KK   C81T
1358        KM       ADD HYDROGRAPHS AT C81T.
1359        HC      2

1360        KK    80T
1361        KM       RUNOFF FROM SUBWATERSHED 80T
1362        BA   1.83
1363        LS      0      82       0
1364        UI      0      70     152     289     499     704     914     940    1016    1016
1365        UI    843     707     617     514     514     353     330     297     237     225
1366        UI    213     203     180     132     126     126      65      63      61      58
1367        UI     46      34      33      32      31      30      29      24      15      15
1368        UI     14      14      14      13       3       0       0       0       0       0

1369        KK    82T
1370        KM       RUNOFF FROM SUBWATERSHED 82T
1371        BA   1.59
1372        LS      0      75       0
1373        UK    300    .007     .15     100
1374        RK   3200   .0053     .06     .40    TRAP      0      35
1375        RK  20600   .0053     .05            TRAP     15      30

1376        KK   C81T
1377        KM       ADD HYDROGRAPHS AT C81T
1378        HC      3

1379        KK   C78T
1380        KM       ROUTE FLOW FROM C81T TO C78T
1381        RM      1     .23      .2

1382        KK   C78T
1383        KM       ADD HYDROGRAPHS AT C78T.
1384        HC      2

1385        KK    78T
1386        KM       RUNOFF FROM SUBWATERSHED 78T
1387        BA   1.10
1388        LS      0      72       0
1389        UK    300    .009     .15     100
```

```
1390        RK    3400   .0063     .06     .28    TRAP      0      35
1391        RK    8200   .0063     .05            TRAP     70      30
```



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

1392        KK    C78T
1393        KM        ADD HYDROGRAPHS AT C78T
1394        HC       2

1395        KK    C76T
1396        KM        ROUTE FLOW FROM C78T TO C76T
1397        RM       1     .69      .2

1398        KK     79T
1399        KM        RUNOFF FROM SUBWATERSHED 79T
1400        BA     2.8
1401        LS       0      72       0
1402        UK     200    .009     .15     100
1403        RK    4600   .0059     .06     .40    TRAP      0      35
1404        RK   21100   .0059     .05            TRAP     25      30

1405        KK    C76T
1406        KM        ROUTE FLOW FROM C79T TO C76T
1407        RM       1    1.30      .2

1408        KK    C76T
1409        KM        ADD HYDROGRAPHS AT C76T.
1410        HC       2

1411        KK     77T
1412        KM        RUNOFF FROM SUBWATERSHED 77T
1413        BA    2.15
1414        LS       0      77       0
1415        UI       0     127     328     684    1138    1377    1563    1563    1196    1013
1416        UI     795     719     523     464     362     337     315     263     199     188
1417        UI     113      95      91      71      52      49      48      46      44      24
1418        UI      23      22      21      21       1       0       0       0       0       0

1419        KK    C76T
1420        KM        ROUTE FLOW FROM C77T TO C76T
1421        RM       1    1.08      .2

1422        KK    C76T
1423        KM        ADD HYDROGRAPHS AT C76T.
1424        HC       2

1425        KK     76T
1426        KM        RUNOFF FROM SUBWATERSHED 76T
1427        BA    4.11
1428        LS       0      72       0
1429        UK     300    .007     .14     100
1430        RK    7000   .0062     .06     .41    TRAP      0      35
1431        RK   22100   .0062     .05            TRAP     90      30
```

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

1432          KK    C76T
1433          KM       ADD HYDROGRAPHS AT C76T
1434          HC      2

1435          KK     66
1436          KM       RUNOFF FROM SUBWATERSHED 66
1437          BA    .54
1438          LS      0      73       0
1439          UK    300   .0195     .11     100
1440          RK   2000   .0182     .07     .14    TRAP      0      20
1441          RK   7700   .0182     .05            TRAP     20      15

1442          KK    C67
1443          KM       ROUTE FLOW FROM C66 TO C67
1444          RM      1     .28      .2

1445          KK     67
1446          KM       RUNOFF FROM SUBWATERSHED 67
1447          BA   6.20
1448          LS      0      84       0
1449          UI      0      98     139     270     434     579     823    1059    1287    1528
1450          UI   1787    1927    1716    1976    1976    1976    1976    1606    1436    1358
1451          UI   1289    1114    1012     967     926     906     679     654     630     608
1452          UI    501     462     447     433     420     408     396     386     363     260
1453          UI    254     248     242     236     203     127     124     121     119     116
1454          UI    114     128      68      67      65      64      63      62      61      60
1455          UI     59      59      57      78      31      30      30      29      29      28
1456          UI     28      28      27      27      26      26       9       0       0       0

1457          KK    C67
1458          KM       ADD HYDROGRAPHS AT C67
1459          HC      2

1460          KK    C68
1461          KM       ROUTE FLOW FROM C67 TO C68
1462          RM      1     .16      .2

1463          KK     68
1464          KM       RUNOFF FROM SUBWATERSHED 68
1465          BA   1.67
1466          LS      0      81       0
1467          UI      0      44      90     157     244     373     490     626     709     665
1468          UI    737     737     687     542     501     447     378     353     344     252
1469          UI    239     228     180     169     161     155     149     143     113      95
1470          UI     92      89      70      47      45      44      43      44      25      24
1471          UI     24      23      23      22      22      21      22      11      11      11
1472          UI     11      10      10      10      10       4       0       0       0       0

1473          KK    C68
1474          KM       ADD HYDROGRAPHS AT C68
1475          HC      2
```

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

1476          KK     C69
1477          KM       ROUTE FLOW FROM C68 TO C69
1478          RM       1     .54      .2

1479          KK      69
1480          KM       RUNOFF FROM SUBWATERSHED 69
1481          BA     .71
1482          LS       0      73       0
1483          UK     300   .0182     .11     100
1484          RK    1700   .0164     .07     .14    TRAP      0      15
1485          RK    9000   .0164     .05            TRAP     20      10

1486          KK     C69
1487          KM       ADD HYDROGRAPHS AT C69
1488          HC       2

1489          KK     C70
1490          KM       ROUTE FLOW FROM C69 TO C70
1491          RM       1     .25      .2

1492          KK     70A
1493          KM       RUNOFF FROM SUBWATERSHED 70A
1494          BA    5.87
1495          LS       0      85       0
1496          UI       0     138      281     460     700    1100    1446    1817    2191    2148
1497          UI    2405    2405     2405    2186    1763    1641    1495    1249    1177    1228
1498          UI     841     800      763     691     567     544     523     503     485     468
1499          UI     383     311      301     292     285     153     150     146     142     139
1500          UI     134      82       80      78      76      74      73      71      70      90
1501          UI      37      36       36      35      34      34      33      32      32      19
1502          UI       0       0        0       0       0       0       0       0       0       0

1503          KK     C70
1504          KM       ROUTE FLOW FROM C70A TO C70
1505          RM       1     .60      .2

1506          KK      70
1507          KM       RUNOFF FROM SUBWATERSHED 70
1508          BA    1.03
1509          LS       0      76       0
1510          UK     350    .025     .10     100
1511          RK    2100   .0162     .07     .20    TRAP      0      20
1512          RK   15000   .0162     .05            TRAP     35      15

1513          KK     C70
1514          KM       ADD HYDROGRAPHS AT C70
1515          HC       3

1516          KK     C71
1517          KM       ROUTE FLOW FROM C70 TO C71
1518          RM       1     .99      .2
```

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

1519          KK      71
1520          KM        RUNOFF FROM SUBWATERSHED 71
1521          BA     .83
1522          LS       0      72       0
1523          UK     300    .025     .11     100
1524          RK    2100   .0159     .07     .16    TRAP       0      20
1525          RK   10400   .0159     .05            TRAP      25      15

1526          KK     C71
1527          KM        ADD HYDROGRAPHS AT C71
1528          HC       2

1529          KK     C72
1530          KM        ROUTE FLOW FROM C71 TO C72
1531          RM       1     .25      .2

1532          KK      72
1533          KM        RUNOFF FROM SUBWATERSHED 72
1534          BA    2.10
1535          LS       0      78       0
1536          UI       0      72     149     285     472     680     906     961    1084    1084
1537          UI    1084     811     740     640     546     508     427     356     335     260
1538          UI     245     233     222     212     167     139     133     128      69      67
1539          UI      65      63      54      36      35      34      33      32      32      37
1540          UI      17      16      16      15      15      15      14       7       0       0

1541          KK     C72
1542          KM        ADD HYDROGRAPHS AT C72
1543          HC       2

1544          KK     C73
1545          KM        ROUTE FLOW FROM C72 TO C73
1546          RM       1    1.48      .2

1547          KK      73
1548          KM        RUNOFF FROM SUBWATERSHED 73
1549          BA    4.32
1550          LS       0      77       0
1551          UI       0     147     306     586     971    1399    1863    1978    2230    2230
1552          UI    2230    1668    1523    1316    1123    1046     879     732     690     534
1553          UI     503     478     456     436     344     285     274     263     143     138
1554          UI     133     129     112      75      73      71      69      67      65      76
1555          UI      34      33      33      32      31      30      30      15       0       0

1556          KK     C73
1557          KM        ADD HYDROGRAPHS AT C73
1558          HC       2

1559          KK     C74
1560          KM        ROUTE FLOW FROM C73 TO C74
1561          RM       1    1.13      .2
```

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

1562          KK      75
1563          KM        RUNOFF FROM SUBWATERSHED 75
1564          BA    1.51
1565          LS       0      83       0
1566          UI       0      57     123     232     402     566     738     765     829     829
1567          UI     710     583     518     424     393     334     272     256     194     185
1568          UI     176     167     159     109     104     100      70      52      50      48
1569          UI      43      28      27      26      25      25      24      24      13      12
1570          UI      12      12      11      11       8       0       0       0       0       0

1571          KK     C74
1572          KM        ROUTE FLOW FROM C75 TO C74
1573          RM       1     .79      .2

1574          KK      74
1575          KM        RUNOFF FROM SUBWATERSHED 74
1576          BA    1.26
1577          LS       0      72       0
1578          UK     350   .0095     .12     100
1579          RK    3500   .0073     .06     .25    TRAP      0      45
1580          RK    8500   .0073     .05            TRAP     25      40

1581          KK     C74
1582          KM        ADD HYDROGRAPHS AT C74
1583          HC       3

1584          KK    C76T
1585          KM        ROUTE FLOW AT C74 TO C76T.
1586          RM       1     .31      .2

1587          KK    C76T
1588          KM        ADD HYDROGRAPHS AT C76T.
1589          HC       2

1590          KK     C91
1591          KM        ROUTE FLOW FROM C76T TO C91
1592          RM       1     .25      .2

1593          KK     C33
1594          KM        RETURN DIVERT AT C33.
1595          DR   DIV33

1596          KK     C34
1597          KM        ROUTE DIVERTED FLOW AT C33 TO C34.
1598          RM       1    .044      .2

1599          KK      34
1600          KM        RUNOFF FROM SUBWATERSHED 34.
1601          BA     .34
1602          LS              81
1603          UK     150     .02     .10     100
```

```
1604          RK    3200   .0136     .05     .04    TRAP              20
1605          RK   11750   .0136     .05            TRAP      10      10
```



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

1606          KK     C34
1607          KM        ADD HYDROGRAPHS AT C34.
1608          HC       2

1609          KK     C34
1610          KM        STORAGE ROUTE THROUGH C34.  36"X36" CPA ON R.R.
1611          RS       1    STOR       0       0
1612          SV       0     .48    1.78    4.69    7.13   10.14   11.68
1613          SQ       0      26      55      70      80     131     350
1614          SE  1777.5    1780    1782    1784    1785    1786    1787

1615          KK     C34
1616          KM        DIVERT FLOW AT C34.
1617          DT   DIV34
1618          DI       0      80     131     350
1619          DQ       0       0      41     250

1620          KK    C64A
1621          KM        ROUTE FLOW FROM C34 TO C64A.
1622          RM       1    2.91      .2

1623          KK     C34
1624          KM        RETURN DIVERT AT C34.
1625          DR   DIV34

1626          KK     C35
1627          KM        ROUTE DIVERTED FLOW AT C34 TO C35.
1628          RM       1     .20      .2

1629          KK      35
1630          KM        RUNOFF FROM SUBWATERSHED 35.
1631          BA     .34
1632          LS              81
1633          UK     200    .020     .10     100
1634          RK    3200   .0136     .05     .11    TRAP              20
1635          RK   10875   .0138     .05            TRAP      15      20

1636          KK     C35
1637          KM        ADD HYDROGRAPHS AT C35.
1638          HC       2

1639          KK     C35
1640          KM        STORAGE ROUTE THROUGH C35.  36"X42" CPA ON R.R.
1641          RS       1    STOR       0       0
1642          SV       0     .28    1.41    4.14    6.48    9.35   12.46
1643          SQ       0      21      60      90     100     204     551
1644          SE    1758    1760    1762    1764    1765    1766    1767

1645          KK     C35
1646          KM        DIVERT FLOW AT C35.
1647          DT   DIV35
```

```
1648        DI      0     100     204     551
1649        DQ      0       0      84     410
```



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

1650        KK    C64A
1651        KM        ROUTE FLOW FROM C35 TO C64A.
1652        RM      1    2.13      .2

1653        KK     64A
1654        KM        RUNOFF FROM SUBWATERSHED 64A.
1655        BA    1.99
1656        LS              79
1657        UK     300    .012     .11     100
1658        RK    3000   .0086     .05     .33    TRAP              20
1659        RK   19000   .0086     .05            TRAP      20      25

1660        KK    C64A
1661        KM        ADD HYDROGRAPHS AT C64A.
1662        HC      3

1663        KK     C64
1664        KM        ROUTE FLOW FROM C64A TO C64.
1665        RM      1     .96      .2

1666        KK     C35
1667        KM        RETURN DIVERT AT C35.
1668        DR   DIV35

1669        KK     C36
1670        KM        ROUTE DIVERTED FLOW AT C35 TO C36.
1671        RM      1     .34      .2

1672        KK      36
1673        KM        RUNOFF FROM SUBWATERSHED 36.
1674        BA    3.64
1675        LS              80
1676        UK     200    .020     .10     100
1677        RK    5600   .0159     .05     .32    TRAP       5      20
1678        RK   43875   .0159     .05            TRAP      15      40

1679        KK     C36
1680        KM        ADD HYDROGRAPHS AT C36.
1681        HC      2

1682        KK     C36
1683        KM        STORAGE ROUTE THROUGH C36.  24" ORCP AND 6-SPAN BRIDGE 84' LONG.
1684        KM        ASSUME 8-10'X5'BC'S.
1685        RS      1    STOR       0       0
1686        SV      0     .57    1.76    3.01
1687        SQ      0     960    2240    2960
1688        SE  1737.5    1740    1742    1743

1689        KK    C64B
1690        KM        ROUTE FLOW FROM C36 TO C64B.
1691        RM      1    1.02      .2
```

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

1692          KK      37
1693          KM        RUNOFF FROM SUBWATERSHED 37.
1694          BA    2.71
1695          LS              80
1696          UK     200    .020     .10     100
1697          RK    5600   .0159     .05     .32    TRAP      5      25
1698          RK   39975   .0159     .05            TRAP     25      40

1699          KK     C37
1700          KM        STORAGE ROUTE THROUGH C37.  5-SPAN BRIDGE 70' LONG.  ASSUME 7-10X5' BC'S
1701          RS       1    STOR       0       0
1702          SV       0     .48    1.37
1703          SQ       0     840    1680
1704          SE  1719.5    1722  1723.5

1705          KK    C64B
1706          KM        ROUTE FLOW FROM C37 TO C64B.
1707          RM       1    1.09      .2

1708          KK     64B
1709          KM        RUNOFF FROM SUBWATERSHED 64B.
1710          BA    1.93
1711          LS              81
1712          UK     300    .012     .12     100
1713          RK    3000    .009     .05     .27    TRAP             20
1714          RK   15500    .009     .05            TRAP     20      25

1715          KK    C64B
1716          KM        ADD HYDROGRAPHS AT C64B.
1717          HC       3

1718          KK     C64
1719          KM        ROUTE FLOW FROM C64B TO C64.
1720          RM       1     .72      .2

1721          KK      64
1722          KM        RUNOFF FROM SUBWATERSHED 64.
1723          BA    3.52
1724          LS              78
1725          UK     500    .010     .13     100
1726          RK    6000   .0056     .05     .50    TRAP     10      25
1727          RK    9100   .0056     .05            TRAP     80      40

1728          KK     C64
1729          KM        ADD HYDROGRAPHS AT C64.
1730          HC       3

1731          KK     C64
1732          KM        STORAGE ROUTE THROUGH C64.  87.1' WIDE OVERCHUTE ON CAP WEST OF GRAND.
1733          RS       1    STOR       0       0
1734          SV       0   32.46  350.14  629.41
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```
1735        SQ      0       0    2265    3920
1736        SE   1541  1544.7    1549  1550.9
```



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

1737        KK     C95
1738        KM       ROUTE FLOW FROM C64 TO C95.
1739        RM       1    1.13      .2

1740        KK      95
1741        KM       RUNOFF FROM SUBWATERSHED 95
1742        BA    1.72
1743        LS       0      76       0
1744        UK     200    .009     .14     100
1745        RK    3300   .0062     .06     .34    TRAP      0      30
1746        RK   16900   .0062     .05            TRAP     50      25

1747        KK     C95
1748        KM       ADD HYDROGRAPHS AT C95.
1749        HC       2

1750        KK      96
1751        KM       RUNOFF FROM SUBWATERSHED 96
1752        BA    1.09
1753        LS       0      72       0
1754        UK     250     .01     .13     100
1755        RK    4000   .0074     .06     .31    TRAP      0      30
1756        RK   10200   .0074     .05            TRAP     25      25

1757        KK     C95
1758        KM       ROUTE FLOW FROM C96 TO C95
1759        RM       1     .47      .2

1760        KK      94
1761        KM       RUNOFF FROM SUBWATERSHED 94
1762        BA     .53
1763        LS       0      72       0
1764        UK     200    .012     .14     100
1765        RK    2100   .0082     .06     .17    TRAP      0      30
1766        RK    9150   .0082     .05            TRAP     30      25

1767        KK     C95
1768        KM       ADD HYDROGRAPHS AT C95.
1769        HC       2

1770        KK     C95
1771        KM       ADD HYDROGRAPHS AT C95
1772        HC       2

1773        KK     C93
1774        KM       ROUTE FLOW FROM C95 TO C93
1775        RM       1    1.10      .2

1776        KK      93
1777        KM       RUNOFF FROM SUBWATERSHED 93
1778        BA    1.16
```

```
1779        LS      0      72       0
1780        UK    200    .007     .15     100
1781        RK   3600   .0048     .06     .29    TRAP      0      40
```



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

1782        RK  14200   .0048     .05            TRAP     40      35

1783        KK    C93
1784        KM        ADD HYDROGRAPHS AT C93.
1785        HC      2

1786        KK     92
1787        KM        RUNOFF FROM SUBWATERSHED 92
1788        BA   1.55
1789        LS      0      72       0
1790        UK    250    .009     .15     100
1791        RK   4300   .0064     .06     .38    TRAP      0      40
1792        RK  19800   .0064     .05            TRAP     40      35

1793        KK    C93
1794        KM        ADD HYDROGRAPHS AT C93
1795        HC      2

1796        KK    C91
1797        KM        ROUTE FLOW FROM C93 TO C91
1798        RM      1     .58      .2

1799        KK    C91
1800        KM        ADD HYDROGRAPHS AT C91.
1801        HC      2

1802        KK     91
1803        KM        RUNOFF FROM SUBWATERSHED 91
1804        BA   1.12
1805        LS      0      75       0
1806        UK    300     .01     .15     100
1807        RK   4500   .0055     .06     .28    TRAP      0      45
1808        RK  10800   .0055     .05            TRAP     40      40

1809        KK    C91
1810        KM        ADD HYDROGRAPHS AT C91
1811        HC      2

1812        KK    C97
1813        KM        ROUTE FLOW FROM C91 TO C97.
1814        RM      1    1.58      .2

1815        KK     38
1816        KM        RUNOFF FROM SUBWATERSHED 38.
1817        BA   3.88
1818        LS              78
1819        UK    200    .020     .10     100
1820        RK   7000   .0180     .05     .40    TRAP     10      20
1821        RK  47400   .0164     .05            TRAP     20      35
```

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

1822          KK     38B
1823          KM        RUNOFF FROM SUBWATERSHED 38B
1824          BA    4.49
1825          LS              78
1826          UK     200     .02     .10     100
1827          RK    7000    .018     .05     .40    TRAP      10      20
1828          RK   47400   .0164     .05            TRAP      20      35

1829          KK    CP38
1830          KM        ROUTE FLOW FROM CP38B TO CP38.
1831          RM       1     .32      .2

1832          KK    CP38
1833          KM        ADD HYDROGRAPHS AT CP38
1834          HC       2

1835          KK     38A
1836          KM        RUNOFF FROM SUBWATERSHED 38A.
1837          BA     .28
1838          LS              78
1839          UK     200     .02      .1     100
1840          RK    9000     .01     .05     .28    TRAP      15      30

1841          KK    CP38
1842          KM        ADD HYDROGRAPHS AT CP38.
1843          HC       2

1844          KK     C38
1845          KM        STORAGE ROUTE THROUGH C38.  7-SPAN BRIDGE ON R.R.  ASSUME 17-10'X3' BC'S
1846          RS       1    STOR       0       0
1847          SV       0     .73    2.17    4.52    8.19
1848          SQ       0    1445    2550    3811    4810
1849          SE    1674    1676    1677    1678    1679

1850          KK     C38
1851          KM        DIVERT FLOW AT C38.
1852          DT   DIV38
1853          DI       0    2550    3811    4810
1854          DQ       0       0      71     390

1855          KK     C38
1856          KM        STORAGE ROUTE THROUGH C38.  7-SPAN BRIDGE ON R.R.  ASSUME 17-10'X3' BC'S
1857          RS       1    STOR       0       0
1858          SV       0     .73    2.17    4.52    8.19
1859          SQ       0    1445    2550    3811    4810
1860          SE    1674    1676    1677    1678    1679

1861          KK     C38
1862          KM        DIVERT FLOW AT C38.
1863          DT   DIV38
1864          DI       0    2550    3811    4810
```

```
1865        DQ      0       0      71     390
```



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

1866        KK    C65B
1867        KM        ROUTE FLOW FROM C38 TO C65B.
1868        RM       1     .69      .2

1869        KK     C38
1870        KM        RETURN DIVERTED FLOW AT C38.
1871        DR   DIV38

1872        KK     C39
1873        KM        ROUTE DIVERTED FLOW AT C38 TO C39.
1874        RM       1     .28      .2

1875        KK      39
1876        KM        RUNOFF FROM SUBWATERSHED 39.
1877        BA     .76
1878        LS              72
1879        UK     300    .015     .10     100
1880        RK    5000   .0114     .05     .17    TRAP              30
1881        RK   11000   .0114     .05            TRAP      10      40

1882        KK     C39
1883        KM        ADD HYDROGRAPHS AT C39.
1884        HC       2

1885        KK     C39
1886        KM        STORAGE ROUTE THROUGH C39.  4-SPAN BRIDGE, ASSUME 8-7'X7' BC'S.
1887        RS       1    STOR       0       0
1888        SV       0     .85    2.79   11.93
1889        SQ       0     672    1512    3024
1890        SE  1643.5    1646    1648  1650.5

1891        KK     C65
1892        KM        ROUTE FLOW FROM C39 TO C65B.
1893        RM       1     .97      .2

1894        KK     65B
1895        KM        RUNOFF FROM SUBWATERSHED 65B.
1896        BA     .69
1897        LS              74
1898        UK     400     .01     .06     100
1899        RK    3000    .007     .05     .18    TRAP       5      20
1900        RK   10000   .0079     .05     .52    TRAP      30      60

1901        KK    C65B
1902        KM        ADD HYDROGRAPHS AT C65B.
1903        HC       3

1904        KK    C65A
1905        KM        ROUTE FLOW FROM C65B TO C65A.
1906        RM       1     .41      .2
```

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

1907          KK     65A
1908          KM        RUNOFF FROM SUBWATERSHED 65A.
1909          BA     .88
1910          LS              74
1911          UK     400     .01     .06     100
1912          RK    3000    .007     .05     .22    TRAP      5      20
1913          RK   10500   .0079     .05     .88    TRAP     30      20

1914          KK    C65A
1915          KM        ADD HYDROGRAPHS AT C65A.
1916          HC       2

1917          KK     C65
1918          KM        ROUTE FLOW FROM C65A TO C65.
1919          RM       1     .26      .2

1920          KK      65
1921          KM        RUNOFF FROM SUBWATERSHED 65.
1922          BA     .69
1923          LS              74
1924          UK     400    .010     .06     100
1925          RK    3000    .007     .05     .22    TRAP      5      20
1926          RK   10500   .0079     .05     .88    TRAP     30      20

1927          KK     C65
1928          KM        ADD HYDROGRAPHS AT C65.
1929          HC       2

1930          KK     40A
1931          KM        RUNOFF FROM SUBWATERSHED 40A.
1932          BA    7.11
1933          LS              75
1934          UK     300    .025     .10     100
1935          RK   13000   .0173     .05     .42    TRAP     15      20
1936          RK   47500   .0173     .05            TRAP     60      10

1937          KK     C40
1938          KM        ROUTE FLOW FROM C40A TO C40.
1939          RM       1     .49      .2

1940          KK     40E
1941          KM        RUNOFF FROM SUBWATERSHED 40E.
1942          BA     .14
1943          LS              72
1944          UK     200    .016     .11     100
1945          RK    4500   .0149     .05     .14    TRAP     10      15

1946          KK    C40E
1947          KM        STORAGE ROUTE THROUGH C40E.  30" CMP AND 36" CMP ON R.R.
1948          RS       1    STOR       0       0
1949          SV       0     .12     .81    2.93    7.71   16.17
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1950        SQ      0      24      64      87     105     121
1951        SE  1794.5    1796    1798    1800    1802    1804
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

1952        KK    C40C
1953        KM        ROUTE FLOW FROM C40E TO C40C.
1954        RM      1     .34      .2

1955        KK     40F
1956        KM        RUNOFF FROM SUBWATERSHED 40F.
1957        BA    3.51
1958        LS              78
1959        UK     200    .025     .11     100
1960        RK    5000   .0232     .05     .35    TRAP              15
1961        RK   34675   .0232     .05            TRAP      20      15

1962        KK    C40F
1963        KM        STORAGE ROUTE THROUGH C40F.  3-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
1964        RS      1    STOR       0       0
1965        SV      0    1.04    3.77     8.4   15.06   23.96   35.07   48.49   63.89   81.03
1966        SQ      0     330     465     720     975    1200    1425    1650    1800    1950
1967        SE   1798    1800    1801    1802    1803    1804    1805    1806    1807    1808

1968        KK    C40C
1969        KM        ROUTE FLOW FROM C40F TO C40C.
1970        RM      1     .16      .2

1971        KK     40C
1972        KM        RUNOFF FROM SUBWATERSHED 40C.
1973        BA     .21
1974        LS              74
1975        UK     200    .020     .11     100
1976        RK    1000   .0116     .05     .04    TRAP              15
1977        RK    3700   .0116     .05            TRAP      20      15

1978        KK    C40C
1979        KM        ADD HYDROGRAPHS AT C40C.
1980        HC      3

1981        KK    C40C
1982        KM        STORAGE ROUTE THROUGH C40C.  2-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
1983        RS      1    STOR       0       0
1984        SV      0     .61    4.07   12.28   26.22   47.04   75.69
1985        SQ      0     170     480     820    1140    1300    1500
1986        SE   1758    1760    1762    1764    1766    1768    1770

1987        KK    C40B
1988        KM        ROUTE FLOW FROM C40C TO C40B.
1989        RM      1     .18      .2

1990        KK     40J
1991        KM        RUNOFF FROM SUBWATERSHED 40J.
1992        BA    3.24
1993        LS              85
1994        UI      0     278    1015    1946    2334    1888    1323     983     693     520
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1995        UI     472     300     228     141     114      76      71      65      35      33
1996        UI      31       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

1997        KK    C40H
1998        KM        ROUTE FLOW FROM C40J TO C40H.
1999        RM       1     .37      .2

2000        KK     40H
2001        KM        RUNOFF FROM SUBWATERSHED 40H.
2002        BA     .67
2003        LS              83
2004        UK     200    .020     .11     100
2005        RK    3000   .0173     .05     .11    TRAP            20
2006        RK    9900   .0173     .05            TRAP     40     10

2007        KK    C40H
2008        KM        ADD HYDROGRAPHS AT C40H.
2009        HC       2

2010        KK    C40G
2011        KM        ROUTE FLOW FROM C40H TO C40G.
2012        RM       1     .50      .2

2013        KK     40I
2014        KM        RUNOFF FROM SUBWATERSHED 40I.
2015        BA    1.65
2016        LS              83
2017        UI       0      81     243     522     762     881     941     618     484     409
2018        UI     291     237     196     180     146     110      88      55      51      38
2019        UI      29      27      26      24      13      13      12      11       0       0

2020        KK    C40G
2021        KM        ROUTE FLOW FROM C40I TO C40G.
2022        RM       1     .66      .2

2023        KK    C40G
2024        KM        ADD HYDROGRAPHS AT C40G.
2025        HC       2

2026        KK     40G
2027        KM        RUNOFF FROM SUBWATERSHED 40G.
2028        BA    2.05
2029        LS              79
2030        UK     200    .020     .11     100
2031        RK    5000   .0152     .05     .20    TRAP            25
2032        RK   17900   .0152     .05            TRAP     50     10

2033        KK    C40G
2034        KM        ADD HYDROGRAPHS AT C40G.
2035        HC       2

2036        KK    C40G
2037        KM        STORAGE ROUTE THROUGH C40G.  5-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
2038        RS       1    STOR       0       0
```

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2039        SV      0    1.73    6.27   14.01   25.09   39.94   58.44   80.81  106.47  135.06
2040        SQ      0     550     775    1200    1625    2000    2375    2750    3000    3250
2041        SE   1798    1800    1801    1802    1803    1804    1805    1806    1807    1808
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2042        KK   C40D
2043        KM       ROUTE FLOW FROM C40G TO C40D.
2044        RM      1     .12      .2

2045        KK    40D
2046        KM       RUNOFF FROM SUBWATERSHED 40D.
2047        BA    .19
2048        LS            72
2049        UK    200    .020     .11     100
2050        RK    800   .0123     .05     .05    TRAP             15
2051        RK   3000   .0123     .05            TRAP     20      15

2052        KK   C40D
2053        KM       ADD HYDROGRAPHS AT C40D.
2054        HC      2

2055        KK   C40D
2056        KM       STORAGE ROUTE THROUGH C40D.  4-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
2057        RS      1    STOR       0       0
2058        SV      0    9.89   21.91   37.89   58.01   82.29  110.73  143.18  179.48  219.31
2059        SQ      0     620     960    1300    1600    1900    2200    2400    2600    2800
2060        SE   1767    1770    1771    1772    1773    1774    1775    1776    1777    1778

2061        KK   C40B
2062        KM       ROUTE FLOW FROM C40D TO C40B.
2063        RM      1     .23      .2

2064        KK    40B
2065        KM       RUNOFF FROM SUBWATERSHED 40B.
2066        BA    .51
2067        LS            74
2068        UK    200    .020     .11     100
2069        RK   1700   .0113     .05     .10    TRAP      5      15
2070        RK   4600   .0113     .05            TRAP     20       5

2071        KK   C40B
2072        KM       ADD HYDROGRAPHS AT C40B.
2073        HC      3

2074        KK   C40B
2075        KM       STORAGE ROUTE THROUGH C40B.  4-10'X5' BC'S AND 4-10'X3' BC'S ON
2076        KM       CHRYSLER PROVING GROUNDS.
2077        RS      1    STOR       0       0
2078        SV      0    1.19    3.99    9.06   16.74   27.45   41.57   59.51   81.52
2079        SQ      0     680    1240    1800    2360    2840    3260    3680    4000
2080        SE   1711    1713    1714    1715    1716    1717    1718    1719    1720

2081        KK    C40
2082        KM       ROUTE FLOW FROM C40B TO C40.
2083        RM      1     .48      .2
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2084        KK      40
2085        KM        RUNOFF FROM SUBWATERSHED 40.
2086        BA    1.45
2087        LS              73
2088        UK     400    .010     .11     100
2089        RK    4000   .0092     .05     .29    TRAP      10      20
2090        RK   11600   .0092     .05            TRAP      10      40

2091        KK     C40
2092        KM        ADD HYDROGRAPHS AT C40.
2093        HC       3

2094        KK     C40
2095        KM        STORAGE ROUTE THROUGH C40.  2-30" RCP'S AND 3-10'X10' BC'S ON CHRYSLER
2096        KM        PROVING GROUNDS.
2097        RS       1    STOR       0       0
2098        SV       0    2.52   10.78   17.34   22.91   35.23
2099        SQ       0     855    2190    2775    3490    6000
2100        SE  1593.5    1598    1602  1603.5  1604.5    1605

2101        KK     C41
2102        KM        ROUTE FLOW FROM C40 TO C41.
2103        RM       1     .20      .2

2104        KK      41
2105        KM        RUNOFF FROM SUBWATERSHED 41.
2106        BA     .68
2107        LS              77
2108        UK     300   .0133     .11     100
2109        RK   12250   .0104     .05     .68    TRAP      10      30

2110        KK     C41
2111        KM        ADD HYDROGRAPHS AT C41.
2112        HC       2

2113        KK     C41
2114        KM        STORAGE ROUTE THROUGH C41.  9-SPAN BRIDGE, 126' LONG.  ASSUME
2115        KM        14-9'X4.5' BC'S.
2116        RS       1    STOR       0       0
2117        SV       0     .41    1.44    3.02    4.47
2118        SQ       0    1260    3150    4662    5737
2119        SE  1555.8    1558    1560  1561.5  1562.5

2120        KK     C41
2121        KM        DIVERT FLOW OUT OF SYSTEM.
2122        DT   DIV41
2123        DI       0    4662    5737
2124        DQ       0       0      67
```

4662 5737 2.15

into

goes along

H'way

to SE

SPF/BMF

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

2125        KK     C65
2126        KM        ROUTE FLOW FROM C41 TO C65.
2127        RM       1     .05      .2

2128        KK     C65
2129        KM        ADD HYDROGRAPHS AT C65.
2130        HC       2

2131        KK     C65
2132        KM        STORAGE ROUTE THROUGH C65.  67.5' WIDE OVERCHUTE ON CAP WEST OF GRAND.
2133        RS       1    STOR       0       0
2134        SV       0     .44    2.94   35.52  114.78  210.33     250
2135        SQ       0     338    1013    2025    3577    4725    7945
2136        SE  1543.2    1544    1546    1548    1550  1551.7  1552.5

2137        KK   C102A
2138        KM        ROUTE FLOW AT C65 TO C102A.
2139        RM       1     .82      .2

2140        KK    102A
2141        KM        RUNOFF FROM SUBWATERSHED 102A.
2142        BA    2.34
2143        LS       0      74       0
2144        UK     250     .01     .12     100
2145        RK    4500   .0073     .06     .35    TRAP       0      30
2146        RK   16700   .0073     .05    2.34    TRAP      35      25

2147        KK   C102A
2148        KM        ADD HYDROGRAPHS AT C102A.
2149        HC       2

2150        KK     104
2151        KM        RUNOFF FROM SUBWATERSHED 104.
2152        BA     .04
2153        LS              72
2154        UK     300    .015     .12     100
2155        RK    1200    .018     .05     .04    TRAP       0      25

2156        KK    C104
2157        KM        STORAGE ROUTE THROUGH C104.  3-10'X5' BC'S ON R.R.
2158        RS       1    STOR       0       0
2159        SV       0    1.56    2.81    4.68
2160        SQ       0     990    1310    1900
2161        SE    1534    1539    1540    1541

2162        KK    C104
2163        KM        DIVERT FLOW AT C104.
2164        DT  DIV104
2165        DI       0     990    1310    1900
2166        DQ       0       0     110     460
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2167        KK   C102A
2168        KM        ROUTE FLOW FROM C104 TO C102A.
2169        RM       1    2.79      .2

2170        KK   C102A
2171        KM        ADD HYDROGRAPHS AT C102A.
2172        HC       2

2173        KK    C104
2174        KM        RETURN DIVERT AT C104.
2175        DR  DIV104

2176        KK    C105
2177        KM        ROUTE DIVERTED FLOW AT C104 TO C105.
2178        RM       1     .00      .2

2179        KK     105
2180        KM        RUNOFF FROM SUBWATERSHED 105.
2181        BA     .03
2182        LS       0      72       0
2183        UK     200    .012     .12     100
2184        RK    1500   .0093     .05     .03    TRAP       0      25

2185        KK    C105
2186        KM        ADD HYDROGRAPHS AT C105.
2187        HC       2

2188        KK    C105
2189        KM        STORAGE ROUTE THROUGH C105.  42" ORCP ON R.R.
2190        RS       1    STOR       0       0
2191        SV       0     .53    1.10    3.28
2192        SQ       0      15      36      96
2193        SE    1532  1533.5    1534    1535

2194        KK    C105
2195        KM        DIVERT FLOW A C105.
2196        DT  DIV105
2197        DI       0      15      36      96
2198        DQ       0       0      14      56

2199        KK   C102A
2200        KM        ROUTE FLOW AT C105 TO C102A.
2201        RM       1    3.77      .2

2202        KK   C102A
2203        KM        ADD HYDROGRAPHS AT C102A.
2204        HC       2

2205        KK    42D1
2206        KM        RUNOFF FROM SUBWATERSHED 42D1.
2207        BA     .04
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2208        LS            72
2209        UK    200   .020    .11    100
2210        RK   2900  .0138    .05           TRAP      0      10
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2211        KK   C42D1
2212        KM       STORAGE ROUTE THROUGH C42D1.  24" CMP ON CHRYSLER PROVING GROUNDS.
2213        RS      1    STOR      0      0
2214        SV      0     .18    1.10   3.01   5.58
2215        SQ      0      13      19   23.5     27
2216        SE  1797.6    1800    1802   1804   1806

2217        KK    C42D
2218        KM       ROUTE FLOW FROM C42D1 TO C42D.
2219        RM      1     .43     .2

2220        KK     42D
2221        KM       RUNOFF FROM SUBWATERSHED 42D.
2222        BA    .10
2223        LS            72
2224        UK    200   .020    .11    100
2225        RK    700  .0133    .05    .03   TRAP             10
2226        RK   3000  .0133    .05          TRAP      5      10

2227        KK    C42D
2228        KM       ADD HYDROGRAPHS AT C42D.
2229        HC      2

2230        KK    C42D
2231        KM       STORAGE ROUTE THROUGH C42D.  36" CMP ON CHRYSLER PROVING GROUNDS.
2232        RS      1    STOR      0      0
2233        SV      0     .31    .82   1.84   3.70   6.91  12.19
2234        SQ      0      18     35     42     48     52     57
2235        SE   1767    1769   1770   1771   1772   1773   1774

2236        KK    C42A
2237        KM       ROUTE FLOW FROM  C42D TO C42A.
2238        RM      1     .63     .2

2239        KK     42A
2240        KM       RUNOFF FROM SUBWATERSHED 42A.
2241        BA    .33
2242        LS            72
2243        UK    200   .015    .11    100
2244        RK   2000  .0103    .05    .11   TRAP             10
2245        RK   5250  .0103    .05          TRAP     10      10

2246        KK    C42A
2247        KM       ADD HYDROGRAPHS AT C42A.
2248        HC      2

2249        KK    C42A
2250        KM       STORAGE ROUTE THROUGH C42A.  48" CMP ON CHRYSLER PROVING GROUNDS.
2251        RS      1    STOR      0      0
2252        SV      0     .40   1.03   2.07   3.66   5.96   9.39  15.24  24.66
2253        SQ      0      28     42     58     73     82     92    100    103
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2254        SE    1705    1707    1708    1709    1710    1711    1712    1713    1714
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2255        KK     C42
2256        KM        ROUTE FLOW FROM C42A TO C42.
2257        RM       1    1.60      .2

2258        KK    42E1
2259        KM       RUNOFF FROM SUBWATERSHED 42E1.
2260        BA     .48
2261        LS              75
2262        UK     200    .020     .11     100
2263        RK    2600   .0160     .05     .12    TRAP       0      15
2264        RK   10900   .0160     .05            TRAP      10      10

2265        KK   C42E1
2266        KM        STORAGE ROUTE THROUGH C42E1.  3-30" CMP'S ON CHRYSLER PROVING GROUNDS.
2267        RS       1    STOR       0       0
2268        SV       0    1.14    2.79    5.86   11.36   20.28
2269        SQ       0     102     123     141     156     165
2270        SE    1795    1800    1802    1804    1806    1808

2271        KK    C42E
2272        KM        ROUTE FLOW FROM C42E1 TO C42E.
2273        RM       1     .27      .2

2274        KK     42E
2275        KM        RUNOFF FROM SUBWATERSHED 42E.
2276        BA     .10
2277        LS              72
2278        UK     200    .020     .11     100
2279        RK     700   .0141     .05     .05    TRAP              10
2280        RK    3200   .0141     .05            TRAP       5      10

2281        KK    C42E
2282        KM        ADD HYDROGRAPHS AT C42E.
2283        HC       2

2284        KK    C42E
2285        KM        STORAGE ROUTE THROUGH C42E.  3-36"X22" CMPA'S ON CHRYSLER PROVING GROUND
2286        RS       1    STOR       0       0
2287        SV       0     .80    3.74    6.46
2288        SQ       0      68      88     106
2289        SE  1766.6    1770    1772    1774

2290        KK    C42B
2291        KM        ROUTE FLOW FROM C42E TO C42B.
2292        RM       1     .45      .2

2293        KK     42B
2294        KM        RUNOFF FROM SUBWATERSHED 42B.
2295        BA     .17
2296        LS              72
2297        UK     200    .015     .10     100
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2298        RK     700   .0123     .05     .04    TRAP            15
2299        RK    4875   .0123     .05            TRAP     10     10
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2300        KK    C42B
2301        KM        ADD HYDROGRAPHS AT C42B.
2302        HC       2

2303        KK    C42B
2304        KM        STORAGE ROUTE THROUGH C42B.  2-36" CMP'S ON CHRYSLER PROVING GROUNDS.
2305        RS       1    STOR       0       0
2306        SV       0     .94    4.51   12.40
2307        SQ       0      84     105     123
2308        SE    1706    1710    1712    1714

2309        KK     C42
2310        KM        ROUTE FLOW FROM C42B TO C42.
2311        RM       1    1.53      .2

2312        KK    42F1
2313        KM        RUNOFF FROM SUBWATERSHED 42F1.
2314        BA     .22
2315        LS             72
2316        UK     200    .020     .12     100
2317        RK    2600   .0148     .05     .07    TRAP      0      10
2318        RK    7650   .0148     .05            TRAP      0      15

2319        KK   C42F1
2320        KM        STORAGE ROUTE THROUGH C42F1.  2-30" CMP'S AND 1-24" CMP ON CHRYSLER
2321        KM        PROVING GROUNDS.
2322        RS       1    STOR       0       0
2323        SV       0     .54    2.07    6.45   15.47
2324        SQ       0    49.5      79   101.5   117.3
2325        SE  1797.5    1800    1802    1804    1806

2326        KK    C42F
2327        KM        ROUTE FLOW FROM C42F1 TO C42F.
2328        RM       1     .33      .2

2329        KK     42F
2330        KM        RUNOFF FROM SUBWATERSHED 42F.
2331        BA     .11
2332        LS             72
2333        UK     200    .020     .11     100
2334        RK    1000   .0129     .05     .03    TRAP      0      10
2335        RK    3100   .0129     .05            TRAP      5      10

2336        KK    C42F
2337        KM        ADD HYDROGRAPHS AT C42F.
2338        HC       2

2339        KK    C42F
2340        KM        STORAGE ROUTE THROUGH C42F.  4-36"X22" CMPA'S ON CHRYSLER PROVING GROUND
2341        RS       1    STOR       0       0
2342        SV       0    1.36    3.76
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2343        SQ      0   126.5     150
2344        SE  1762.2    1768    1770
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2345        KK    C42C
2346        KM        ROUTE FLOW FROM C42F TO C42C.
2347        RM      1     .45      .2

2348        KK     42C
2349        KM        RUNOFF FROM SUBWATERSHED 42C.
2350        BA    .30
2351        LS              72
2352        UK     200    .020     .11     100
2353        RK    2000     133     .05     .05    TRAP      0      15
2354        RK    4500   .0133     .05            TRAP     10      10

2355        KK    C42C
2356        KM        ADD HYDROGRAPHS AT C42C.
2357        HC      2

2358        KK    C42C
2359        KM        STORAGE ROUTE THROUGH C42C.  2-42" CMP'S ON CHRYSLER PROVING GROUNDS.
2360        RS      1    STOR       0       0
2361        SV      0    1.75    6.29   14.72
2362        SQ      0     112     146     168
2363        SE   1712    1716    1718    1720

2364        KK     C42
2365        KM        ROUTE FLOW FROM C42C TO C42.
2366        RM      1    1.37      .2

2367        KK      42
2368        KM        RUNOFF FROM SUBWATERSHED 42.
2369        BA    1.80
2370        LS              77
2371        UK     300   .0133     .11     100
2372        RK    6000   .0098     .05     .30    TRAP      0      40
2373        RK   16000   .0098     .05            TRAP     20      50

2374        KK     C42
2375        KM        ADD HYDROGRAPHS AT C42.
2376        HC      4

2377        KK     43B
2378        KM        RUNOFF FROM SUBWATERSHED 43B.
2379        BA    1.52
2380        LS              85
2381        UI      0      79     246     523     750     841     759     571     427     353
2382        UI    268     202     180     170     109     102      59      50      43      28
2383        UI     26      25      25      13      12      12      11       1       0       0

2384        KK    C43A
2385        KM        ROUTE FLOW FROM C43B TO C43A.
2386        RM      1     .53      .2
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2387        KK    43A
2388        KM       RUNOFF FROM SUBWATERSHED 43A.
2389        BA    1.46
2390        LS             81
2391        UK     300    .025     .11     100
2392        RK    4000   .0184     .05     .25    TRAP      0      15
2393        RK   19400   .0184     .05            TRAP     10      15

2394        KK    C43A
2395        KM       ADD HYDROGRAPHS AT C43A.
2396        HC       2

2397        KK    C43A
2398        KM       STORAGE ROUTE THROUGH C43A.  3-10'X5' BC'S ON CHRYSLER PROVING GROUNDS.
2399        RS       1    STOR       0       0
2400        SV       0   10.15   19.49   31.83   47.38
2401        SQ       0    1450    1850    2160    2400
2402        SE    1795    1802    1804    1806    1808

2403        KK     C43
2404        KM       ROUTE FLOW FROM C43A TO C43.
2405        RM       1     .98      .2

2406        KK     43C
2407        KM       RUNOFF FROM SUBWATERSHED 43C.
2408        BA     .31
2409        LS             81
2410        UK     200    .020     .11     100
2411        RK    2500   .0183     .05     .15    TRAP      0      15
2412        RK    9000   .0183     .05            TRAP      0      15

2413        KK    C43C
2414        KM       STORAGE ROUTE THROUGH C43C.  2-36" CMP'S ON CHRYSLER PROVING GROUNDS.
2415        RS       1    STOR       0       0
2416        SV       0    1.01    3.53    9.18
2417        SQ       0      42     110     130
2418        SE    1798    1802    1804    1806

2419        KK     C43
2420        KM       ROUTE FLOW FROM C43C TO C43.
2421        RM       1    1.86      .2

2422        KK     43D
2423        KM       RUNOFF FROM SUBWATERSHED 43D.
2424        BA     .35
2425        LS             81
2426        UK     200    .022     .11     100
2427        RK    2500   .0183     .05     .15    TRAP      0      15
2428        RK    9000   .0183     .05            TRAP      0      15
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2429        KK    C43D
2430        KM        STORAGE ROUTE THROUGH C43D.  2-36" CMP'S ON CHRYSLER PROVING GROUNDS.
2431        RS      1    STOR       0       0
2432        SV      0     .78    2.47    6.06   12.08
2433        SQ      0      82     108     128     148
2434        SE   1796    1800    1802    1804    1806

2435        KK     C43
2436        KM        ROUTE FLOW FROM C43D TO C43.
2437        RM      1    1.81      .2

2438        KK     C43
2439        KM        ADD HYDROGRAPHS  AT C43.
2440        HC      3

2441        KK     43E
2442        KM        RUNOFF FROM SUBWATERSHED 43E.
2443        BA    .32
2444        LS              81
2445        UK    200    .022     .11     100
2446        RK   2500   .0185     .05     .15    TRAP      0      15
2447        RK   8125   .0185     .05            TRAP      0      15

2448        KK    C43E
2449        KM        STORAGE ROUTE THROUGH C43E.  2-42" CMP'S ON CHRYSLER PROVING GROUNDS.
2450        RS      1    STOR       0       0
2451        SV      0     .47    2.03    4.99   10.00
2452        SQ      0      28      97     142     174
2453        SE   1798    1800    1802    1804    1806

2454        KK     C43
2455        KM        ROUTE FLOW FROM C43E TO C43.
2456        RM      1    1.80      .2

2457        KK      43
2458        KM        RUNOFF FROM SUBWATERSHED 43.
2459        BA    4.42
2460        LS              74
2461        UK    300   .0133     .12     100
2462        RK   5000   .0120     .05     .40    TRAP      0      40
2463        RK  22500    .012     .05            TRAP     10      50

2464        KK     C43
2465        KM        ADD HYDROGRAPHS AT C43.
2466        HC      3

2467        KK      44
2468        KM        RUNOFF FROM SUBWATERSHED 44.
2469        BA    .76
2470        LS              72
2471        UK    200   .0150     .11     100
```

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2472        RK    2500   .0101     .05     .25    TRAP      0      30
2473        RK    9375   .0101     .05            TRAP     10      30
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2474        KK      45
2475        KM        RUNOFF FROM SUBWATERSHED 45.
2476        BA    2.29
2477        LS              72
2478        UK     300   .0160     .11     100
2479        RK    3000   .0117     .05     .23    TRAP      0      30
2480        RK   19250   .0117     .05            TRAP     15      40

2481        KK     C46
2482        KM        ADD HYDROGRAPHS AT C46.
2483        HC       4

2484        KK      46
2485        KM        RUNOFF FROM SUBWATERSHED 46.
2486        BA    1.22
2487        LS              72
2488        UK     400    .020     .12     100
2489        RK    3000   .0118     .05     .12    TRAP      0      30
2490        RK   13375   .0118     .05            TRAP     30      15

2491        KK     C46
2492        KM        ADD HYDROGRAPHS AT C46.
2493        HC       2

2494        KK     47C
2495        KM        RUNOFF FROM SUBWATERSHED 47C.
2496        BA   16.43
2497        LS              96
2498        UI       0     336     697    1336    2215    3192    4251    4513    5089    5089
2499        UI    5089    3807    3475    3004    2564    2387    2007    1670    1574    1219
2500        UI    1148    1092    1041     995     786     651     625     600     326     315
2501        UI     304     294     256     171     166     161     157     152     148     173
2502        UI      78      76      74      73      71      69      68      35       0       0

2503        KK    C47B
2504        KM        ROUTE FLOW FROM C47C TO C47B.
2505        RM       1     .95      .2

2506        KK     47B
2507        KM        RUNOFF FROM SUBWATERSHED 47B.
2508        BA    2.30
2509        LS              79
2510        UK     200    .020     .12     100
2511        RK    5000    .015     .05     .35    TRAP      5      15
2512        RK   28750   .0179     .05            TRAP     10      15

2513        KK    C47B
2514        KM        ADD HYDROGRAPHS AT C47B.
2515        HC       2
```

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

2516        KK    C47A
2517        KM        ROUTE FLOW FROM C47B TO C47A.
2518        RM       1     .43      .2

2519        KK     47A
2520        KM        RUNOFF FROM SUBWATERSHED 47A.
2521        BA    1.90
2522        LS              77
2523        UK     200    .020     .12     100
2524        RK    5000   .0150     .05     .35    TRAP      5      15
2525        RK   27250   .0150     .05            TRAP     10      15

2526        KK    C47A
2527        KM        ADD HYDROGRAPHS AT C47A.
2528        HC       2

2529        KK     C47
2530        KM        ROUTE FLOW FROM C47A TO C47.
2531        RM       1     .18      .2

2532        KK      47
2533        KM        RUNOFF FROM SUBWATERSHED 47.
2534        BA     .24
2535        LS              72
2536        UK     200    .020     .11     100
2537        RK    5500   .0105     .05            TRAP     10      30

2538        KK     C47
2539        KM        ADD HYDROGRAPHS AT C47.
2540        HC       2

2541        KK      48
2542        KM        RUNOFF FROM SUBWATERSHED 48.
2543        BA    9.63
2544        LS              79
2545        UK     200    .030     .12     100
2546        RK   11000   .0204     .05     .59    TRAP     10      30
2547        RK   43800   .0204     .05            TRAP     30      50

2548        KK      49
2549        KM        RUNOFF FROM SUBWATERSHED 49.
2550        BA     .57
2551        LS              72
2552        UK     200    .020     .12     100
2553        RK    2500   .0122     .05     .14    TRAP      0      30
2554        RK   12125   .0122     .05            TRAP     10      15

2555        KK     C49
2556        KM        ADD HYDROGRAPHS AT C49.
2557        HC       4
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2558          KK      50
2559          KM        RUNOFF FROM SUBWATERSHED 50.
2560          BA     .32
2561          LS              72
2562          UK     200    .020     .11     100
2563          RK    1600   .0121     .05     .07    TRAP      0      25
2564          RK    6625   .0121     .05            TRAP     10      20

2565          KK     C50
2566          KM        ADD HYDROGRAPHS AT C50.
2567          HC       2

2568          KK     C50
2569          KM        STORAGE ROUTE THROUGH C50.  THIS IS THE COMBINED STORAGE OF THE
2570          KM        CONCRETE OVERCHUTES ON THE CAP THAT INCLUDE AREAS 42-50.
2571          RS       1    STOR       0       0
2572          SV       0   93.89  690.42 2093.28 3202.77
2573          SQ       0     725    2295    3590    6035
2574          SE  1540.0    1544    1548    1552    1554

2575          KK     C50
2576          KM        DIVERT FLOW OVER ROAD TO C53.
2577          DT   DIV50
2578          DI       0    3173    3590    6035
2579          DQ       0       0     125    2150

2580          KK     C42
2581          KM        DIVERT REMAINDER OF FLOW TO C42.  72" CONCRETE OVERCHUTE ON THE CAP.
2582          DT   DIV42
2583          DI       0     725    2295    3465    3885
2584          DQ       0      50     225     360     420

2585          KK     C43
2586          KM        DIVERT REMAINDER OF FLOW TO C43.  72" CONCRETE OVERCHUTE ON THE CAP.
2587          DT   DIV43
2588          DI       0     675    2070    3105    3465
2589          DQ       0      65     240     370     430

2590          KK     C44
2591          KM        DIVERT REMAINDER OF FLOW TO C44.  72" CONCRETE OVERCHUTE ON THE CAP.
2592          DT   DIV44
2593          DI       0     610    1830    2735    3035
2594          DQ       0      75     240     380     425

2595          KK     C45
2596          KM        DIVERT REMAINDER OF FLOW TO C45.  72" CONCRETE OVERCHUTE ON THE CAP.
2597          DT   DIV45
2598          DI       0     535    1590    2355    2610
2599          DQ       0      85     260     385     430
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1542

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

2600          KK     C46
2601          KM        DIVERT REMAINDER OF FLOW TO C46.
2602          DT   DIV46
2603          DI       0     445    1330    1970    2180
2604          DQ       0      90     250     400     440

2605          KK     C47
2606          KM        DIVERT REMAINDER OF FLOW TO C47.  72" CONCRETE OVERCHUTE ON THE CAP.
2607          DT   DIV47
2608          DI       0     335    1080    1570    1740
2609          DQ       0      90     270     395     435

2610          KK     C48
2611          KM        DIVERT REMAINDER OF FLOW TO C48.  72" CONCRETE OVERCHUTE ON THE CAP.
2612          DT   DIV48
2613          DI       0     265     810    1175    1305
2614          DQ       0      90     270     395     435

2615          KK     C49
2616          KM        DIVERT REMAINDER OF FLOW TO C49.  72" CONCRETE OVERCHUTE ON THE CAP.
2617          DT   DIV49
2618          DI       0     175     540     780     870
2619          DQ       0      95     280     400     445

2620          KK    C50A
2621          KM        DIVERT REMAINDER OF FLOW TO C50A.
2622          KM        THIS DIVERTED FLOW IS ACTUALLY THE REMAINDER OF THE FLOW GOING THROUGH
2623          KM        THE 72" PIPE OVERCHUTE AT C50.  THE REMAINING DISCHARGE AFTER THE LAST
2624          KM        DIVERT IS ZERO.  THIS WAS DONE BECAUSE THE HEC-1 MODEL IS A STRAIGHT
2625          KM        FORWARD OPERATION AND DOES NOT ALLOW YOU TO PICK UP FLOWS THAT ARE LEFT
2626          KM        BEHIND ANOTHER OPERATION UNLESS IT ADDS UP DIRECTLY WITH THE CURRENT
2627          KM        OPERATION.  FOR THIS REASON THE REMAINING ZERO HYDROGRAPH WILL BE ADDED
2628          KM        TO THE FOLLOWING OPERATION WITHOUT CHANGING THE DISCHARGE, THUS KEEPING
2629          KM        THE INTEGRITY OF THE MODEL.  THIS ALSO ENABLES THE MODEL TO CONTINUE IN
2630          KM        AN ORDERLY FASHION, EVEN THOUGH THIS IS NOT THE ACTUAL CONCENTRATION
2631          KM        POINT FOR THE REMAINING ZERO HYDROGRAPH AT C52A.
2632          DT  DIV50A
2633          DI       0      85     260     380     425
2634          DQ       0      85     260     380     425

2635          KK     C42
2636          KM        RETURN DIVERT AT C42.
2637          DR   DIV42

2638          KK    C106
2639          KM        ROUTE FLOW AT C42 TO C106.
2640          RM       1    .24      .2

2641          KK     106
2642          KM        RUNOFF FROM SUBWATERSHED 106.
2643          BA     .06
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2644        LS      0      72       0
2645        UK    400    .012     .10     100
2646        RK   2500   .0088     .05     .06    TRAP       0      25
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2647        KK    C106
2648        KM        ADD HYDROGRAPHS AT C106.
2649        HC       2

2650        KK    C105
2651        KM        RETURN DIVERT AT C105.
2652        DR  DIV105

2653        KK    C106
2654        KM        ROUTE DIVERTED FLOW AT C105 TO C106.
2655        RM       1     .19      .2

2656        KK    C106
2657        KM        ADD HYDROGRAPHS AT C106.
2658        HC       2

2659        KK    C106
2660        KM        STORAGE ROUTE THROUGH C106.  3-10'X3.5' BC'S ON R.R.
2661        RS       1    STOR       0       0
2662        SV       0    1.74    3.04    5.59
2663        SQ       0     660     955    1440
2664        SE    1521    1525    1526    1527

2665        KK    C106
2666        KM        DIVERT FLOW AT C106.
2667        DT  DIV106
2668        DI       0     660     955    1440
2669        DQ       0       0      85     420

2670        KK   C102A
2671        KM        ROUTE FLOW FROM C106 TO C102A.
2672        RM       1    1.47      .2

2673        KK   C102A
2674        KM        ADD HYDROGRAPHS AT C102A.
2675        HC       2

2676        KK     C43
2677        KM        RETURN DIVERT AT C43.
2678        DR   DIV43

2679        KK    C107
2680        KM        ROUTE DIVERTED FLOW AT C43 TO C107.
2681        RM       1     .43      .2

2682        KK    C106
2683        KM        RETURN DIVERTED FLOW AT C106.
2684        DR  DIV106
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2685        KK    C107
2686        KM        ROUTE DIVERTED FLOW AT C106 TO C107.
2687        RM       1     .79      .2

2688        KK     107
2689        KM        RUNOFF FROM SUBWATERSHED 107.
2690        BA     .32
2691        LS       0      72       0
2692        UK     250    .011     .10     100
2693        RK    2800   .0082     .07     .10    TRAP       0      25
2694        RK    6200   .0082     .06            TRAP      35      20

2695        KK    C107
2696        KM        ADD HYDROGRAPHS AT C107.
2697        HC       3

2698        KK    C107
2699        KM        STORAGE ROUTE THROUGH C107.  10-10'X3' BC'S ON R.R.
2700        RS       1    STOR       0       0
2701        SV       0    4.50
2702        SQ       0    2930
2703        SE    1487    1492

2704        KK    C107
2705        KM        DIVERT FLOW AT C107.
2706        DT  DIV107
2707        DI       0    1900    2226    2930
2708        DQ       0       0      26     330

2709        KK   C102A
2710        KM        ROUTE FLOW AT C107 TO C102A.
2711        RM       1     .89      .2

2712        KK   C102A
2713        KM        ADD HYDROGRAPHS AT C102A.
2714        HC       2

2715        KK    C107
2716        KM        RETURN DIVERTED FLOW AT C107.
2717        DR  DIV107

2718        KK    C108
2719        KM        ROUTE DIVERTED FLOW AT C107 TO C108.
2720        RM       1     .39      .2

2721        KK     108
2722        KM        RUNOFF FROM SUBWATERSHED 108.
2723        BA     .67
2724        LS       0      72       0
2725        UK     300    .012     .10     100
2726        RK    2900   .0093     .07     .16    TRAP       0      20
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2727          RK    7600   .0093     .05     .67    TRAP      15      15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2728          KK    C108
2729          KM        ADD HYDROGRAPHS AT C108.
2730          HC       2

2731          KK    C109
2732          KM        STORAGE ROUTE THROUGH C108.  4-11'X4.5' BC'S ON R.R.
2733          RS       1    STOR       0       0
2734          SV       0     .03    1.25    2.99    3.65
2735          SQ       0      62     528    1172    2282
2736          SE  1467.5    1468    1470  1471.5    1472

2737          KK    C108
2738          KM        DIVERT FLOW AT C108.
2739          DT  DIV108
2740          DI       0     528    1172    2282
2741          DQ       0       0     160     830

2742          KK   C102A
2743          KM        ROUTE FLOW AT C108 TO C102A.
2744          RM       1     .71      .2

2745          KK   C102A
2746          KM        ADD HYDROGRAPHS AT C102A.
2747          HC       2

2748          KK    C108
2749          KM        RETURN DIVERTED FLOW AT C108.
2750          DR  DIV108

2751          KK    C109
2752          KM        ROUTE FLOW AT C108 TO C109.
2753          RM       1     .24      .2

2754          KK     109
2755          KM        RUNOFF FROM SUBWATERSHED 109.
2756          BA     .12
2757          LS       0      72       0
2758          UK     100    .012     .10     100
2759          RK     800   .0088     .06     .06    TRAP       0      10
2760          RK    4300   .0088     .05            TRAP       0      15

2761          KK    C109
2762          KM        ADD HYDROGRAPHS AT C109.
2763          HC       2

2764          KK    C109
2765          KM        STORAGE ROUTE THROUGH C109.  2-48" CIP'S ON R.R.
2766          RS       1    STOR       0       0
2767          SV       0     .18     .98    2.80
2768          SQ       0      46     169     297
2769          SE    1358    1360    1362    1363
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2770          KK   C109
2771          KM       DIVERT FLOW AT C109.
2772          DT  DIV109
2773          DI      0      46     169     297
2774          DQ      0       0      25     105

2775          KK   C102A
2776          KM       ROUTE FLOW AT C109 TO C102A.
2777          RM      1     .92      .2

2778          KK   C102A
2779          KM       ADD HYDROGRAPHS AT C102A.
2780          HC      3

2781          KK   C102
2782          KM       ROUTE FLOW FROM C102A TO C102.
2783          RM      1     .51      .2

2784          KK    102
2785          KM       RUNOFF FROM SUBWATERSHED 102.
2786          BA    .72
2787          LS      0      77       0
2788          UK    300    .009     .10     100
2789          RK   2500   .0059     .06     .18    TRAP      0      25
2790          RK  10400   .0059     .05     .72    TRAP     30      20

2791          KK   C102
2792          KM       ADD HYDROGRAPHS AT C102.
2793          HC      2

2794          KK    98A
2795          KM       RUNOFF FROM SUBWATERSHED 98A.
2796          BA   1.33
2797          LS      0      72       0
2798          UK    200     .01     .12     100
2799          RK   5500   .0081     .06     .24    TRAP      0      30
2800          RK  13200   .0081     .05    1.33    TRAP     20      25

2801          KK   C102
2802          KM       ROUTE FLOW FROM C98A TO C102.
2803          RM      1    1.44      .2

2804          KK     98
2805          KM       RUNOFF FROM SUBWATERSHED 98.
2806          BA   1.01
2807          LS      0      72       0
2808          UK    200    .008     .13     100
2809          RK   3200   .0056     .06     .20    TRAP      0      25
2810          RK  13100   .0056     .05    1.01    TRAP     70      20
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2811          KK    C102
2812          KM        ADD HYDROGRAPHS AT C102.
2813          HC       2

2814          KK    C102
2815          KM        ADD HYDROGRAPHS AT C102.
2816          HC       2

2817          KK     C97
2818          KM        ROUTE FLOW FROM C102 TO C97.
2819          RM       1     .58      .2

2820          KK     97A
2821          KM        RUNOFF FROM SUBWATERSHED 97A.
2822          BA     .91
2823          LS       0      72       0
2824          UK     200    .009     .13     100
2825          RK    3800   .0063     .06     .27    TRAP      0      45
2826          RK   12600   .0063     .05     .91    TRAP     20      40

2827          KK     C97
2828          KM        ROUTE FLOW FROM C97A TO C97.
2829          RM       1    2.28      .2

2830          KK     C97
2831          KM        ADD HYDROGRAPHS AT C97.
2832          HC       2

2833          KK     100
2834          KM        RUNOFF FROM SUBWATERSHED 100.
2835          BA     .74
2836          LS       0      82       0
2837          UK     250    .009     .13     100
2838          RK    2200   .0061     .06     .12    TRAP      0      60
2839          RK    9150   .0061     .05     .74    TRAP     20      55

2840          KK     C97
2841          KM        ROUTE FLOW FROM C100 TO C97.
2842          RM       1     .36      .2

2843          KK     C97
2844          KM        ADD HYDROGRAPHS AT C97.
2845          HC       2

2846          KK      97
2847          KM        RUNOFF FROM SUBWATERSHED 97.
2848          BA    1.97
2849          LS       0      72       0
2850          UK     300    .007     .12     100
2851          RK    4400   .0045     .06     .25    TRAP      0      45
2852          RK   14600   .0045     .05            TRAP     40      40
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LINE        ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

2853        KK     C97
2854        KM        ADD HYDROGRAPHS AT C97.
2855        HC       2

2856        KK     C44
2857        KM        RETURN DIVERT AT C44.
2858        DR   DIV44

2859        KK    C110
2860        KM        ROUTE FLOW FROM C44 TO C110.
2861        RM       1    1.40      .2

2862        KK     110
2863        KM        RUNOFF FROM SUBWATERSHED 110.
2864        BA    2.06
2865        LS       0      72       0
2866        UK     250     .01     .10     100
2867        RK    3800    .008     .07     .40    TRAP       0      25
2868        RK   14900    .008     .05            TRAP      20      20

2869        KK    C110
2870        KM        ADD HYDROGRAPHS AT C110.
2871        HC       2

2872        KK     C45
2873        KM        RETURN DIVERT AT C45.
2874        DR   DIV45

2875        KK    C110
2876        KM        ROUTE FLOW FROM C45 TO C110.
2877        RM       1    1.39      .2

2878        KK    C110
2879        KM        ADD HYDROGRAPHS AT C110.
2880        HC       2

2881        KK    C109
2882        KM        RETURN DIVERTED FLOW AT C109.
2883        DR  DIV109

2884        KK    C110
2885        KM        ROUTE DIVERTED FLOW AT C109 TO C110.
2886        RM       1     .86      .2

2887        KK    C110
2888        KM        ADD HYDROGRAPHS AT C110.
2889        HC       2

2890        KK    C110
2891        KM        STORAGE ROUTE THROUGH C110.  3'X2' BC AND 8-7'X5' BC'S ON R.R.
2892        RS       1    STOR       0       0
```

```
2893        SV      0     .31    1.01    1.23    1.71
2894        SQ      0     672    1120    1431    1714
2895        SE   1418    1420  1421.5    1422  1422.5
```



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

2896        KK   C110
2897        KM       DIVERT FLOW AT C110.
2898        DT  DIV110
2899        DI      0    1120    1431    1714
2900        DQ      0       0      31     146

2901        KK   C101
2902        KM       ROUTE FLOW FROM C110 TO C101.
2903        RM      1     .88      .2

2904        KK    101
2905        KM       RUNOFF FROM SUBWATERSHED 101.
2906        BA   1.65
2907        LS      0      78       0
2908        UK    300    .009     .10     100
2909        RK   4000   .0068     .06     .33    TRAP      0      35
2910        RK   9900   .0068     .05            TRAP     20      30

2911        KK   C101
2912        KM       ADD HYDROGRAPHS AT C101.
2913        HC      2

2914        KK   C110
2915        KM       RETURN FLOW AT C110.
2916        DR  DIV110

2917        KK   C111
2918        KM       ROUTE FLOW FROM C110 TO C111.
2919        RM      1     .34      .2

2920        KK    111
2921        KM       RUNOFF FROM SUBWATERSHED 111.
2922        BA    .35
2923        LS      0      72       0
2924        UK    200    .011     .10     100
2925        RK   2700   .0082     .06     .11    TRAP      0      25
2926        RK   6500   .0082     .05     .35    TRAP     15      20

2927        KK   C111
2928        KM       ADD HYDROGRAPHS AT C111.
2929        HC      2

2930        KK   C111
2931        KM       STORAGE ROUTE THROUGH C111.  2-36" RCP'S ON R.R.
2932        RS      1    STOR       0       0
2933        SV      0     .05     .14     .27    1.06
2934        SQ      0       2      39     147     592
2935        SE   1409  1409.5    1410  1410.5  1411.5
```

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

2936          KK   C111
2937          KM       DIVERT FLOW AT C111.
2938          DT  DIV111
2939          DI      0       2      39     147     592
2940          DQ      0       0      33     125     540

2941          KK   C101
2942          KM       ROUTE FLOW AT C111 TO C101.
2943          RM      1    1.81      .2

2944          KK   C101
2945          KM       ADD HYDROGRAPHS AT C101.
2946          HC      2

2947          KK   C111
2948          KM       RETURN DIVERT AT C111.
2949          DR  DIV111

2950          KK   C112
2951          KM       ROUTE FLOW FROM C111 TO C112.
2952          RM      1     .65      .2

2953          KK    112
2954          KM       RUNOFF FROM SUBWATERSHED 112.
2955          BA   1.34
2956          LS      0      72       0
2957          UK    200    .012     .10     100
2958          RK   2900   .0093     .07     .34    TRAP      0      25
2959          RK  12100   .0093     .05            TRAP     15      20

2960          KK   C112
2961          KM       ADD HYDROGRAPHS AT C112.
2962          HC      2

2963          KK   C112
2964          KM       STORAGE ROUTE THROUGH C112.  6-SPAN BRIDGE, 84' LONG.  ASSUME 14-6'X4'
2965          KM       BC'S ON R.R.
2966          RS      1    STOR       0       0
2967          SV      0     .12     .91    1.70    3.09
2968          SQ      0     252    1120    2106    3138
2969          SE   1377    1378    1380    1381    1382

2970          KK   C112
2971          KM       DIVERT FLOW AT C112.
2972          DT  DIV112
2973          DI      0    1120    2106    3138
2974          DQ      0       0      90     450

2975          KK   C101
2976          KM       ROUTE FLOW FROM C112 TO C101.
2977          RM      1     .39      .2
```

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

2978        KK    C101
2979        KM        ADD HYDROGRAPHS AT C101.
2980        HC       2

2981        KK    C112
2982        KM        RETURN DIVERT AT C112.
2983        DR  DIV112

2984        KK    C113
2985        KM        ROUTE FLOW FROM C112 TO C113.
2986        RM       1     .35      .2

2987        KK     113
2988        KM        RUNOFF FROM SUBWATERSHED 113.
2989        BA     .59
2990        LS       0      72       0
2991        UK     200     .01     .10     100
2992        RK    2500   .0068     .06     .20    TRAP       0      25
2993        RK   15250   .0068     .05     .59    TRAP      10      20

2994        KK    C113
2995        KM        ADD HYDROGRAPHS AT C113.
2996        HC       2

2997        KK    C113
2998        KM        STORAGE ROUTE THROUGH C113.  5-SPAN BRIDGE, 69' LONG.  ASSUME 7-10'X4'
2999        KM        BC'S ON R.R.
3000        RS       1    STOR       0       0
3001        SV       0    2.85    6.14
3002        SQ       0    2177    3050
3003        SE  1369.8  1374.5  1375.5

3004        KK    C113
3005        KM        DIVERT FLOW AT C113.
3006        DT  DIV113
3007        DI       0    1470    2177    3050
3008        DQ       0       0     147     600

3009        KK    C101
3010        KM        ROUTE FLOW AT C113 TO C101.
3011        RM       1     .36      .2

3012        KK    C101
3013        KM        ADD HYDROGRAPHS AT C101.
3014        HC       2

3015        KK    C113
3016        KM        RETURN DIVERT AT C113.
3017        DR  DIV113
```

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

3018          KK    C114
3019          KM        ROUTE FLOW FROM C113 TO C114.
3020          RM       1     .24      .2

3021          KK     114
3022          KM        RUNOFF FROM SUBWATERSHED 114.
3023          BA     .08
3024          LS       0      72       0
3025          UK     200    .011     .10     100
3026          RK    3200   .0075     .05     .09    TRAP      10      20

3027          KK    C114
3028          KM        ADD HYDROGRAPHS AT C114.
3029          HC       2

3030          KK    C114
3031          KM        STORAGE ROUTE THROUGH C114.  36" DRCP ON R.R.
3032          RS       1    STOR       0       0
3033          SV       0     .10    1.30
3034          SQ       0      15     135
3035          SE  1363.5  1365.5  1366.5

3036          KK    C114
3037          KM        DIVERT FLOW AT C114.
3038          DT  DIV114
3039          DI       0      15     135
3040          DQ       0       0     105

3041          KK    C101
3042          KM        ROUTE FLOW AT C114 TO C101.
3043          RM       1     .37      .2

3044          KK    C101
3045          KM        ADD HYDROGRAPHS AT C101.
3046          HC       2

3047          KK     C97
3048          KM        ROUTE FLOW FROM C101 TO C97.
3049          RM       1     .46      .2

3050          KK     C97
3051          KM        ADD HYDROGRAPHS AT C97.
3052          HC       2

3053          KK      99
3054          KM        RUNOFF FROM SUBWATERSHED 99.
3055          BA     .29
3056          LS       0      77       0
3057          UK     150    .006     .10     100
3058          RK    1800   .0046     .06     .15    TRAP       0      55
3059          RK    4900   .0046     .05     .29    TRAP      10      50
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


3060          KK     C97
3061          KM        ADD HYDROGRAPHS AT C97.
3062          HC       3

3063          KK     C97
3064          KM        STORAGE ROUTE THROUGH C97.  MCMICKEN DAM OUTLET AND SPILLWAY RATING
3065          KM        CURVES ARE USED HERE.
3066          RS       1    STOR       0       0
3067          SV       0    1370    5505   17501   20816   25623   30850   36661   38754   39849
3068          SQ       0     675     810    4090    4325   21150   47400   81650   93160   99300
3069          SE    1335    1340    1345  1352.5 1353.65 1355.65 1357.65 1359.65 1360.35  1360.7
3070          ST  1360.7   12775    3.05     1.5

3071          KK     C97
3072          KM        DIVERT FLOW AT C97.
3073          DT   DIV97
3074          DI       0    4325   21150   47400   81650   93160   99300
3075          DQ       0       0   16500   42500   76500   87900   94000

3076          KK    C119
3077          KM        ROUTE FLOW FROM C97 TO C119.
3078          RM       1    2.82      .2

3079          KK    C114
3080          KM        RETURN DIVERT AT C114.
3081          DR  DIV114

3082          KK    C115
3083          KM        ROUTE DIVERTED FLOW AT C114 TO C115.
3084          RM       1     .37      .2

3085          KK     115
3086          KM        RUNOFF FROM SUBWATERSHED 115.
3087          BA     .05
3088          LS       0      77       0
3089          UK     200    .011     .10     100
3090          RK    2400   .0075     .05     .05    TRAP      10      20

3091          KK    C115
3092          KM        ADD HYDROGRAPHS AT C115.
3093          HC       2

3094          KK    C115
3095          KM        STORAGE ROUTE THROUGH C115.  36" CRCP ON R.R.
3096          RS       1    STOR       0       0
3097          SV       0     .14    1.14    3.52
3098          SQ       0      12     127     548
3099          SE  1353.5    1355    1356    1357
```

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

3100          KK   C115
3101          KM       DIVERT FLOW AT C115.
3102          DT  DIV115
3103          DI      0      12     127     548
3104          DQ      0       0     100     505

3105          KK   C103
3106          KM       ROUTE FLOW AT C115 TO C103.
3107          RM      1     .97      .2

3108          KK    C97
3109          KM       RETURN DIVERT AT C97.
3110          DR  DIV97

3111          KK   C103
3112          KM       ROUTE DIVERTED FLOW AT C97 TO C103.
3113          RM      1     .17      .2

3114          KK   C103
3115          KM       ADD HYDROGRAPHS AT C103.
3116          HC      2

3117          KK    103
3118          KM       RUNOFF FROM SUBWATERSHED AT C103.
3119          BA    .32
3120          LS      0      79       0
3121          UK    250    .009     .10     100
3122          RK   1500   .0082     .06     .03    TRAP      0      65
3123          RK   3900   .0082     .05            TRAP     20      60

3124          KK   C103
3125          KM       ADD HYDROGRAPHS AT C103.
3126          HC      2

3127          KK   C119
3128          KM       ROUTE FLOW FROM C103 TO C119.
3129          RM      1    4.41      .2

3130          KK   C115
3131          KM       RETURN DIVERTED FLOW AT C115.
3132          DR  DIV115

3133          KK   C116
3134          KM       ROUTE DIVERTED FLOW AT C115 TO C116.
3135          RM      1     .66      .2

3136          KK    116
3137          KM       RUNOFF FROM SUBWATERSHED 116.
3138          BA   1.00
3139          LS      0      79       0
3140          UK    300   .0095     .10     100
```

```
3141        RK    2500   .0064     .06     .20    TRAP       0      25
3142        RK    8400   .0064     .05            TRAP      20      20
```



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

3143        KK    C116
3144        KM        ADD HYDROGRAPHS AT C116.
3145        HC       2

3146        KK    C116
3147        KM        STORAGE ROUTE THROUGH C116.  2-36" CMP'S ON 163RD AVENUE.
3148        RS       1    STOR       0       0
3149        SV       0     .83    3.21    6.54
3150        SQ       0      22      70    1000
3151        SE  1338.5    1340  1341.5  1342.5

3152        KK    C119
3153        KM        ROUTE FLOW AT C116 TO C119.
3154        RM       1     .72      .2

3155        KK    C119
3156        KM        ADD HYDROGRAPHS AT C119.
3157        HC       3

3158        KK     118
3159        KM        RUNOFF FROM SUBWATERSHED 118.
3160        BA    1.39
3161        LS       0      77       0
3162        UK     250    .008     .10     100
3163        RK    3100   .0049     .06     .23    TRAP       0      35
3164        RK   10000   .0048     .05            TRAP      10      30

3165        KK    C119
3166        KM        ROUTE FLOW FROM C118 TO C119.
3167        RM       1    2.74      .2

3168        KK    C119
3169        KM        ADD HYDROGRAPHS AT C119.
3170        HC       2

3171        KK     C46
3172        KM        RETURN DIVERTED FLOW AT C46.
3173        DR   DIV46

3174        KK   C117A
3175        KM        ROUTE FLOW FROM C46 TO C117A.
3176        RM       1    2.25      .2

3177        KK    117A
3178        KM        RUNOFF FROM SUBWATERSHED 117A.
3179        BA    1.72
3180        LS              77
3181        UK     200    .012     .12     100
3182        RK   10500   .0069     .07     .42    TRAP       0      20
3183        RK   24000   .0069     .05            TRAP      25      15
```

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

3184          KK   C117A
3185          KM        ADD HYDROGRAPHS AT C117A.
3186          HC       2

3187          KK     C47
3188          KM        RETURN DIVERTED FLOW AT C47.
3189          DR   DIV47

3190          KK   C117D
3191          KM        ROUTE FLOW FROM C47 TO C117D.
3192          RM       1    1.31      .2

3193          KK    117D
3194          KM        RUNOFF FROM SUBWATERSHED 117D.
3195          BA     .55
3196          LS              77
3197          UK     200    .012     .10     100
3198          RK    3000   .0086     .07     .14    TRAP      0      20
3199          RK   14000   .0086     .05     .55    TRAP     25      15

3200          KK   C117D
3201          KM        ADD HYDROGRAPHS AT C117D.
3202          HC       2

3203          KK   C117A
3204          KM        ROUTE FLOW AT C117D TO C117A.
3205          RM       1     .79      .2

3206          KK   C117A
3207          KM        ADD HYDROGRAPHS AT C117A.
3208          HC       2

3209          KK     C48
3210          KM        RETURN DIVERTED FLOW AT C48.
3211          DR   DIV48

3212          KK   C117F
3213          KM        ROUTE FLOW FROM C48 TO C117F.
3214          RM       1     .67      .2

3215          KK    117F
3216          KM        RUNOFF FROM SUBWATERSHED 117F.
3217          BA     .36
3218          LS              77
3219          UK     200    .012     .10     100
3220          RK    3200   .0097     .07     .09    TRAP      0      20
3221          RK    7200   .0097     .05     .36    TRAP     25      15

3222          KK   C117F
3223          KM        ADD HYDROGRAPHS AT C117F.
3224          HC       2
```

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

3225          KK     C49
3226          KM        RETURN DIVERTED FLOW AT C49.
3227          DR   DIV49

3228          KK   C117G
3229          KM        ROUTE DIVERTED FLOW AT C49 TO C117G.
3230          RM       1     .74      .2

3231          KK    117G
3232          KM        RUNOFF FROM SUBWATERSHED 117G.
3233          BA     .27
3234          LS              77
3235          UK     200    .012     .10     100
3236          RK    2500   .0087     .07     .07    TRAP      0      20
3237          RK    8000   .0087     .05     .27    TRAP     25      15

3238          KK   C117G
3239          KM        ADD HYDROGRAPHS AT C117G.
3240          HC       2

3241          KK   C117F
3242          KM        ADD HYDROGRAPHS AT C117F.
3243          HC       2

3244          KK   C117E
3245          KM        ROUTE FLOW FROM C117F TO C117E.
3246          RM       1     .56      .2

3247          KK    117E
3248          KM        RUNOFF FROM SUBWATERSHED 117E.
3249          BA     .40
3250          LS              77
3251          UK     200    .012     .10     100
3252          RK    4500   .0098     .07     .10              0      20
3253          RK    8200   .0098     .05     .40             25      15

3254          KK   C117E
3255          KM        ADD HYDROGRAPHS AT C117E.
3256          HC       2

3257          KK   C117B
3258          KM        ROUTE FLOW AT C117E TO C117B.
3259          RM       1     .66      .2

3260          KK    117B
3261          KM        RUNOFF FROM SUBWATERSHED 117B.
3262          BA     .37
3263          LS              77
3264          UK     200    .012     .10     100
3265          RK    3000   .0053     .07     .10                      20
3266          RK    8500   .0053     .05     .37             25      15
```

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

3267          KK   C117B
3268          KM        ADD HYDROGRAPHS AT C117B.
3269          HC       2

3270          KK   C117A
3271          KM        ADD HYDROGRAPHS AT C117A.
3272          HC       2

3273          KK    C50A
3274          KM        RETURN DIVERTED FLOW AT C50A.
3275          KM        THIS IS THE DIVERTED DISCHARGE THROUGH THE 72" PIPE OVERCHUTE AT C50.
3276          DR  DIV50A

3277          KK   C117C
3278          KM        ROUTE DIVERTED FLOW AT C50A TO C117C.
3279          RM       1    1.88      .2

3280          KK    117C
3281          KM        RUNOFF FROM SUBWATERSHED 117C.
3282          BA    1.47
3283          LS              77
3284          UK     200    .012     .10     100
3285          RK    8000   .0090     .07     .37                     20
3286          RK   18900   .0090     .05    1.47             25      15

3287          KK   C117C
3288          KM        ADD HYDROGRAPHS AT C117C.
3289          HC       2

3290          KK   C117A
3291          KM        ADD HYDROGRAPHS AT C117A.
3292          HC       2

3293          KK    C117
3294          KM        ROUTE FLOW FROM C117A TO C117.
3295          RM       1     .40      .2

3296          KK     117
3297          KM        RUNOFF FROM SUBWATERSHED 117.
3298          BA     .94
3299          LS       0      77       0
3300          UK     200    .012     .10     100
3301          RK    3500   .0083     .07     .24    TRAP      0      20
3302          RK   12000   .0083     .05     .94    TRAP     15      15

3303          KK    C117
3304          KM        ADD HYDROGRAPHS AT C117.
3305          HC       2
```

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

3306          KK   C120
3307          KM       ROUTE FLOW AT C117 TO C120.
3308          RM      1     .17      .2

3309          KK      51
3310          KM       RUNOFF FROM SUBWATERSHED 51.
3311          BA    .48
3312          LS             72
3313          UK    200    .020     .12     100
3314          RK   2200   .0122     .05     .16    TRAP            20
3315          RK  10500   .0122     .05            TRAP     10     15

3316          KK     52A
3317          KM       RUNOFF FROM SUBWATERSHED 52A.
3318          BA   4.32
3319          LS             86
3320          UI      0     211     637    1367    1995    2307    2202    1619    1268    1069
3321          UI    763     622     512     471     382     289     231     143     135      99
3322          UI     75      71      68      62      34      33      32      30       0       0

3323          KK     C52
3324          KM       ROUTE FLOW FROM C52A TO C52.
3325          RM      1    1.65      .2

3326          KK     52B
3327          KM       RUNOFF FROM SUBWATERSHED 52B.
3328          BA   4.92
3329          LS             85
3330          UI      0     275     921    1963    2628    2875    2346    1761    1439     971
3331          UI    799     639     583     444     354     230     173     152      95      90
3332          UI     85      78      43      41      39      25       0       0       0       0

3333          KK    C52C
3334          KM       ROUTE FLOW FROM C52B TO C52C.
3335          RM      1     .07      .2

3336          KK     52C
3337          KM       RUNOFF FROM SUBWATERSHED 52C.
3338          BA   5.77
3339          LS             85
3340          UI      0     159     372     735    1236    1759    1956    2153    2153    1782
3341          UI   1478    1233    1057     946     717     667     503     476     449     425
3342          UI    335     273     260     185     134     129     139      74      71      69
3343          UI     66      64      62      53      32      31      30      30      29      17
3344          UI      0       0       0       0       0       0       0       0       0       0

3345          KK    C52C
3346          KM       ADD HYDROGRAPHS AT C52C.
3347          HC      2
```

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

3348        KK    C52C
3349        KM        ROUTE FLOW FROM C52C TO C52.
3350        RM       1     .73      .2

3351        KK      52
3352        KM        RUNOFF FROM SUBWATERSHED 52.
3353        BA    5.93
3354        LS              79
3355        UK     300    .025     .12     100
3356        RK   10000   .0146     .05     .45    TRAP              15
3357        RK   43000   .0146     .05            TRAP      75      15

3358        KK     C52
3359        KM        ADD HYDROGRAPHS AT C52.
3360        HC       3

3361        KK      53
3362        KM        RUNOFF FROM SUBWATERSHED 53.
3363        BA    1.64
3364        LS              92
3365        UI       0      57     116     161     268     357     518     651     792     963
3366        UI    1038     981    1114    1114    1114    1114     904     806     760     724
3367        UI     590     562     535     567     390     374     359     346     297     261
3368        UI     252     244     236     229     222     216     183     145     141     138
3369        UI     134     133      72      70      69      67      66      64      68      38
3370        UI      37      37      36      35      35      34      33      33      32      45
3371        UI      17      17      17      16      16      16      16      15      15      15
3372        UI      15      10       0       0       0       0       0       0       0       0

3373        KK     C50
3374        KM        RETURN DIVERT AT C50.
3375        DR   DIV50

3376        KK     C53
3377        KM        ADD HYDROGRAPHS AT C53.
3378        HC       4

3379        KK     C53
3380        KM        STORAGE ROUTE THROUGH C53.  THIS IS THE TOTAL STORAGE DISCHARGE TABLE
3381        KM        BEHIND THE CAP THAT INCLUDES AREAS 51-53.
3382        RS       1    STOR       0       0
3383        SV    13.2   25.54  243.82  682.14 1332.76 1768.96
3384        SQ       0      66    1289    2760    3690    4085
3385        SE  1538.8    1540    1544    1548    1552    1554

3386        KK     C51
3387        KM        DIVERT FLOW AT C53 TO C51.  72" CONCRETE OVERCHUTE ON CAP.
3388        DT   DIV51
3389        DI       0      66    1289    2760    3690    4085
3390        DQ       0       0      80     260     390     430
```

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

3391          KK   C52P1
3392          KM        DIVERT FLOW AT C53 TO C52P1.  4-72" CONCRETE OVERCHUTES ON CAP.
3393          DT  DI52P1
3394          DI      0      66    1209    2500    3300    3655
3395          DQ      0      32     579    1240    1640    1800

3396          KK   C52P2
3397          KM        DIVERT FLOW AT C53 TO C52P2.  72" CONCRETE OVERCHUTE ON CAP.
3398          DT  DI52P2
3399          DI      0      34     630    1260    1660    1855
3400          DQ      0      10     150     315     415     460

3401          KK    C53
3402          KM         DIVERT REMAINDER OF FLOW AT C53.  3-72" CONCRETE OVERCHUTES ON CAP.
3403          KM        THIS IS THE SAME SITUATION AS DESCRIBED ABOVE AT THE DIVERT OF C50A.
3404          KM        THE REMAINING HYDROGRAPH IS ZERO, THUS IT WILL BE ADDED IN THE FOLLOWING
3405          KM        OPERATION WITHOUT CHANGING THE DISCHARGE EVEN THOUGH THIS IS AN INCOR-
3406          KM        RECT CONCENTRATION POINT FOR THE FLOW.  THE ACTUAL FLOW IS DIVERTED TO
3407          KM        THE CORRECT CONCENTRATION POINT AND ADDED IN AT C123.
3408          DT   DIV53
3409          DI      0      24     480     945    1245    1395
3410          DQ      0      24     480     945    1245    1395

3411          KK    C51
3412          KM        RETURN DIVERTED FLOW AT C51.
3413          DR   DIV51

3414          KK   C120
3415          KM        ROUTE DIVERTED FLOW AT C51 TO C120.
3416          RM      1    2.16      .2

3417          KK   C120
3418          KM        ADD HYDROGRAPHS AT C120.
3419          HC      2

3420          KK    120
3421          KM        RUNOFF FROM SUBWATERSHED 120.
3422          BA   2.22
3423          LS      0      78       0
3424          UK    200    .011     .12     100
3425          RK   3000   .0084     .07     .22    TRAP       0      15
3426          RK  23000   .0084     .05            TRAP      15      10

3427          KK   C120
3428          KM        ADD HYDROGRAPHS AT C120.
3429          HC      3

3430          KK   C120
3431          KM        STORAGE ROUTE THROUGH C120. 105' WIDE SIPHON ON THE BEARDSLEY CANAL.
3432          RS      1    STOR       0       0
3433          SV      0    2.57   30.26
```

```
3434          SQ      0     893    4410
3435          SE   1334    1336    1340
```



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

3436          KK   C119
3437          KM        ROUTE FLOW AT C120 TO C119.
3438          RM      1     .17      .2

3439          KK   C119
3440          KM        ADD HYDROGRAPHS AT C119.
3441          HC      2

3442          KK    119
3443          KM        RUNOFF FROM SUBWATERSHED 119.
3444          BA    .96
3445          LS      0      77       0
3446          UK    200    .011     .12     100
3447          RK   1400   .0084     .06     .08    TRAP      0      10
3448          RK  18500   .0009     .03            TRAP     90      35

3449          KK   C119
3450          KM        ADD HYDROGRAPHS AT C119.
3451          HC      2

3452          KK   C121
3453          KM        ROUTE FLOW FROM C119 TO C121.
3454          RM      1     .47      .2

3455          KK  C52P1
3456          KM        RETURN DIVERT AT C52P1.
3457          DR  DI52P1

3458          KK  C124A
3459          KM        ROUTE DIVERTED FLOW AT C52P1 TO C124A.
3460          RM      1     .60      .2

3461          KK   124A
3462          KM        RUNOFF FROM SUBWATERSHED 124A.
3463          BA   1.31
3464          LS              73
3465          UK    200    .015     .10     100
3466          RK   5500   .0118     .06     .14                     10
3467          RK  10400   .0103     .05    1.31             30      10

3468          KK  C124A
3469          KM        ADD HYDROGRAPHS AT C124A.
3470          HC      2

3471          KK   C124
3472          KM        ROUTE FLOW FROM C124A TO C124.
3473          RM      1     .26      .2

3474          KK  C52P2
3475          KM        RETURN DIVERTED FLOW AT C52P2.
3476          DR  DI52P2
```

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

3477        KK   C124B
3478        KM        ROUTE FLOW AT C52P2 TO C124B.
3479        RM       1    1.07      .2

3480        KK    124B
3481        KM        RUNOFF FROM SUBWATERSHED 124B.
3482        BA     .90
3483        LS              72
3484        UK     200    .014     .10     100
3485        RK    3800   .0105     .05     .14                     10
3486        RK   12400   .0105     .05     .90                     15

3487        KK   C124B
3488        KM        ADD HYDROGRAPHS AT C124B.
3489        HC       2

3490        KK    C124
3491        KM        ROUTE FLOW FROM C124B TO C124.
3492        RM       1     .11      .2

3493        KK     124
3494        KM        RUNOFF FROM SUBWATERSHED 124.
3495        BA     .86
3496        LS              74
3497        UK     200    .015     .10     100
3498        RK    4300   .0086     .05     .10                     10
3499        RK   11000   .0086     .05     .86             30       5

3500        KK    C124
3501        KM        ADD HYDROGRAPHS AT C124.
3502        HC       3

3503        KK    C124
3504        KM        STORAGE ROUTE THROUGH LAKE BONITA.
3505        RS       1    ELEV    1411       0
3506        SV       0   40.76   125.9  236.89  286.63  355.56  424.29  493.42  562.35  604.92
3507        SQ       0       0       0       0     311    1120    2580    5210    9613   13685
3508        SE    1400    1404    1408    1411    1412    1413    1414    1415    1416  1416.5

3509        KK    C123
3510        KM        ROUTE FLOW AT C124 TO C123.
3511        RM       1     .59      .2

3512        KK     C53
3513        KM         RETURN DIVERTED FLOW AT C53.
3514        KM        THIS IS THE REMAINGING DIVERTED FLOW THROUGH THE PIPE OVERCHUTE AT C53,
3515        KM        AND IT WILL BE ROUTED TO THE CORRECT CONCENTRATION POINT AT C123.
3516        DR   DIV53
```

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

3517        KK   C123B
3518        KM        ROUTE DIVERTED FLOW AT C53 TO C123B.
3519        RM       1     .33      .2

3520        KK   C123B
3521        KM        RUNOFF FROM SUBWATERSHED 123B.
3522        BA     .25
3523        LS              76
3524        UK     350    .014     .10     100
3525        RK    5500   .0136     .05     .25              40      10

3526        KK   C123B
3527        KM        ADD HYDROGRAPHS AT C123B.
3528        HC       2

3529        KK      54
3530        KM        RUNOFF FROM SUBWATERSHED 54.
3531        BA     .85
3532        LS              81
3533        UI       0      94     236     486     797    1096    1116    1186    1011     811
3534        UI     657     569     464     380     309     266     249     234     177     149
3535        UI     140      75      72      69      53      39      38      36      35      37
3536        UI      18      17      17      16      16       7       0       0       0       0

3537        KK     C54
3538        KM        STORAGE ROUTE THROUGH C54.  72" CONCRETE OVERCHUTE ON CAP.
3539        RS       1    STOR       0       0
3540        SV       0   11.77   32.99   84.19  209.89  316.48
3541        SQ       0     240     395     465     520     550
3542        SE  1516.1    1524    1528    1532    1536    1538

3543        KK   C123C
3544        KM        ROUTE FLOW AT C54 TO C123C.
3545        RM       1     .43      .2

3546        KK    123C
3547        KM        RUNOFF FROM SUBWATERSHED 123C.
3548        BA     .25
3549        LS              79
3550        UK     350    .014     .10     100
3551        RK    5000   .0110     .05     .25              30      10

3552        KK   C123C
3553        KM        ADD HYDROGRAPHS AT C123C.
3554        HC       2

3555        KK   C123B
3556        KM        ADD HYDROGRAPHS AT C123B.
3557        HC       2
```

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

3558          KK   C123A
3559          KM        ROUTE FLOW FROM C123B TO C123A.
3560          RM       1     .71      .2

3561          KK    123A
3562          KM        RUNOFF FROM SUBWATERSHED 123A.
3563          BA     .94
3564          LS              76
3565          UK     200    .014     .10     100
3566          RK    5100   .0105     .05     .22                     15
3567          RK   12400   .0105     .05     .94             40      10

3568          KK   C123A
3569          KM        ADD HYDROGRAPHS AT C123A.
3570          HC       2

3571          KK    C123
3572          KM        ROUTE FLOW FROM C123A TO C123.
3573          RM       1     .61      .2

3574          KK     123
3575          KM        RUNOFF FROM SUBWATERSHED 123.
3576          BA    3.98
3577          LS       0      79       0
3578          UK     250    .011     .11     100
3579          RK    4400    .008     .06     .26    TRAP      0      15
3580          RK   23500    .008     .05            TRAP     40      10

3581          KK    C123
3582          KM        ADD HYDROGRAPHS AT C123.
3583          HC       2

3584          KK    C123
3585          KM        ADD HYDROGRAPHS AT C123.
3586          HC       2

3587          KK    C123
3588          KM        STORAGE ROUTE THROUGH C123.  58' WIDE SIPHON ON THE BEARDSLEY CANAL.
3589          RS       1    STOR       0       0
3590          SV       0   34.78  148.48     190
3591          SQ       0     493    1392    8712
3592          SE    1338    1340    1342    1343

3593          KK    C121
3594          KM        ROUTE FLOW FROM C123 TO C121.
3595          RM       1     .21      .2

3596          KK    C121
3597          KM        ADD HYDROGRAPHS AT C121.
3598          HC       2
```

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

3599          KK     121
3600          KM        RUNOFF FROM SUBWATERSHED 121.
3601          BA     .55
3602          LS       0      77       0
3603          UK     250    .011     .11     100
3604          RK    2300   .0083     .05     .14    TRAP       0      10
3605          RK    4900   .0008     .03            TRAP      80      40

3606          KK    C121
3607          KM        ADD HYDROGRAPHS AT C121.
3608          HC       2

3609          KK    C122
3610          KM        ROUTE FLOW AT C121 TO C122.
3611          RM       1     .69      .2

3612          KK     122
3613          KM        RUNOFF FROM SUBWATERSHED 122.
3614          BA    1.10
3615          LS       0      77       0
3616          UK     200    .011     .11     100
3617          RK    3900   .0083     .05     .16    TRAP       0      15
3618          RK    7700   .0008     .02            TRAP      70      25

3619          KK    C122
3620          KM        ADD HYDROGRAPHS AT C122.
3621          HC       2

3622          KK    C132
3623          KM        ROUTE FLOW AT C122 TO C132.
3624          RM       1     .44      .2

3625          KK      55
3626          KM        RUNOFF FROM SUBWATERSHED 55.
3627          BA    3.27
3628          LS              84
3629          UI       0      80     162     246     391     565     779     979    1228    1344
3630          UI    1308    1468    1468    1468    1403    1097    1026     964     825     744
3631          UI     706     723     510     487     467     447     340     336     324     313
3632          UI     302     292     305     195     189     184     179     174     114      93
3633          UI      90      88      86      84      75      50      49      48      47      46
3634          UI      45      44      43      42      50      23      22      22      21      21
3635          UI      21      20      20      20      19       4       0       0       0       0

3636          KK     C55
3637          KM        STORAGE ROUTE THROUGH C55.  4-84" CONCRETE OVERCHUTES ON CAP.
3638          RS       1    STOR       0       0
3639          SV       0    3.03    5.45   13.99   64.79
3640          SQ       0    2260    2740    3160    3600
3641          SE  1510.5    1524    1528    1532    1536
```

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

3642        KK   C127A
3643        KM        ROUTE FLOW FROM C55 TO C127A.
3644        RM       1     .43      .2

3645        KK    127A
3646        KM        RUNOFF FROM SUBWATERSHED 127A.
3647        BA     .61
3648        LS              82
3649        UK     200    .015     .10     100
3650        RK    4100   .0097     .07     .15                     10
3651        RK    8000   .0097     .05     .61             50       5

3652        KK   C127A
3653        KM        ADD HYDROGRAPHS AT C127A.
3654        HC       2

3655        KK      56
3656        KM        RUNOFF FROM SUBWATERSHED 56.
3657        BA     .48
3658        LS              86
3659        UI       0     101     346     725     935     991     709     542     428     316
3660        UI     230     208     173     124      90      60      54      33      31      29
3661        UI      24      15      14      13       3       0       0       0       0       0

3662        KK     C56
3663        KM        STORAGE ROUTE THROUGH C56.  72" CONCRETE OVERCHUTE ON CAP.
3664        RS       1    STOR       0       0
3665        SV       0    5.66   22.86   44.38    93.0  175.78
3666        SQ       0     260     460     550     620     700
3667        SE  1512.5    1520    1528    1532    1536    1540

3668        KK    127B
3669        KM        ROUTE FLOW AT C56 TO C127B.
3670        RM       1     .38      .2

3671        KK    127B
3672        KM        RUNOFF FROM SUBWATERSHED 127B.
3673        BA     .25
3674        LS              84
3675        UK     200    .015     .10     100
3676        RK    5600   .0161     .07     .25             30       5

3677        KK   C127B
3678        KM        ADD HYDROGRAPHS AT C127B.
3679        HC       2

3680        KK   C127A
3681        KM        ADD HYDROGRAPHS AT C127A.
3682        HC       2
```

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

3683          KK    C127
3684          KM        ROUTE FLOW FROM C127A TO C127.
3685          RM       1     .48      .2

3686          KK     127
3687          KM        RUNOFF FROM SUBWATERSHED 127.
3688          BA    2.44
3689          LS       0      82       0
3690          UK     300     .02     .12     100
3691          RK    4000   .0109     .07     .20    TRAP       0      10
3692          RK   15800   .0109     .05            TRAP      50       5

3693          KK    C127
3694          KM        ADD HYDROGRAPHS AT C127.
3695          HC       2

3696          KK     126
3697          KM        RUNOFF FROM SUBWATERSHED 126.
3698          BA    1.67
3699          LS       0      80       0
3700          UI       0      45      90     123     177     251     323     444     540     641
3701          UI     747     865     918     823     958     958     958     958     958     732
3702          UI     694     660     630     567     499     478     460     442     417     327
3703          UI     316     306     296     258     226     220     214     208     202     197
3704          UI     192     187     188     127     124     121     119     116     114      91
3705          UI      61      60      59      58      57      56      55      56      33      32
3706          UI      32      31      31      30      30      29      29      28      28      27
3707          UI      39      15      15      14      14      14      14      14      13      13
3708          UI      13      13      13      13       9       0       0       0       0       0

3709          KK    C127
3710          KM        ADD HYDROGRAPHS AT C127.
3711          HC       2

3712          KK    C125
3713          KM        ROUTE FLOW AT C127 TO C125.
3714          RM       1     .10      .2

3715          KK     125
3716          KM        RUNOFF FROM SUBWATERSHED 125.
3717          BA    1.47
3718          LS       0      80       0
3719          UK     200    .015     .12     100
3720          RK    2800   .0081     .07     .20    TRAP       0      10
3721          RK   11200   .0081     .05            TRAP      25       5

3722          KK    C125
3723          KM        ADD HYDROGRAPHS AT C125.
3724          HC       2
```

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

3725        KK   C125
3726        KM       STORAGE ROUTE THROUGH C125.  55' WIDE SIPHON ON THE BEARDSLEY CANAL.
3727        RS      1    STOR       0       0
3728        SV      0    5.96   37.64   74.71
3729        SQ      0    1320    3575    4950
3730        SE   1332    1336    1340    1342

3731        KK   C132
3732        KM       ROUTE FLOW AT C125 TO C132.
3733        RM      1     .81      .2

3734        KK    131
3735        KM       RUNOFF FROM SUBWATERSHED 131.
3736        BA    .59
3737        LS      0      77       0
3738        UK    350    .007     .11     100
3739        RK   2900   .0038     .06     .15    TRAP      0      25
3740        RK   7400   .0038     .05            TRAP     15      20

3741        KK   C132
3742        KM       ROUTE FLOW FROM C131 TO C132.
3743        RM      1     .54      .2

3744        KK   C132
3745        KM       ADD HYDROGRAPHS AT C132.
3746        HC      3

3747        KK    132
3748        KM       RUNOFF FROM SUBWATERSHED 132.
3749        BA   1.23
3750        LS      0      78       0
3751        UK    250     .01     .12     100
3752        RK   3600   .0061     .06     .31    TRAP      0      20
3753        RK  14500   .0061     .05            TRAP     50      15

3754        KK   C132
3755        KM       ADD HYDROGRAPHS AT C132
3756        HC      2

3757        KK    133
3758        KM       RUNOFF FROM SUBWATERSHED 133.
3759        BA   1.20
3760        LS      0      87       0
3761        UK    250     .01     .11     100
3762        RK   4000   .0074     .06     .40    TRAP      0      20
3763        RK  12500   .0074     .05            TRAP     10      15

3764        KK   C132
3765        KM       ADD HYDROGRAPHS AT C132.
3766        HC      2
```

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

3767        KK    C134
3768        KM        ROUTE FLOW FROM C132 TO C134.
3769        RM       1     .33      .2

3770        KK     128
3771        KM        RUNOFF FROM SUBWATERSHED 128.
3772        BA     .82
3773        LS       0      77       0
3774        UK     250     .01     .10     100
3775        RK    2100   .0063     .06     .27    TRAP       0      15
3776        RK    6000   .0063     .05            TRAP      10      20

3777        KK    C129
3778        KM        ROUTE FLOW FROM C128 TO C129.
3779        RM       1     .82      .2

3780        KK     129
3781        KM        RUNOFF FROM SUBWATERSHED 129.
3782        BA    1.66
3783        LS       0      77       0
3784        UK     350    .008     .12     100
3785        RK    3200   .0053     .06     .28    TRAP       0      20
3786        RK    9900   .0053     .05            TRAP      10      20

3787        KK    C129
3788        KM        ADD HYDROGRAPHS AT C129.
3789        HC       2

3790        KK    C130
3791        KM        ROUTE FLOW FROM C129 TO C130.
3792        RM       1     .62      .2

3793        KK     130
3794        KM        RUNOFF FROM SUBWATERSHED 130.
3795        BA    1.61
3796        LS       0      78       0
3797        UK     300    .006     .14     100
3798        RK    3200    .003     .06     .32    TRAP       0      20
3799        RK   14700    .003     .02            TRAP      40       3

3800        KK    C130
3801        KM        ADD HYDROGRAPHS AT C130.
3802        HC       2

3803        KK    C134
3804        KM        ROUTE FLOW FROM C130 TO C134.
3805        RM       1     .46      .2

3806        KK    C134
3807        KM        ADD HYDROGRAPHS AT C134.
3808        HC       2
```

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

3809        KK     134
3810        KM        RUNOFF FROM SUBWATERSHED 134.
3811        BA     .77
3812        LS       0      86       0
3813        UK     200    .008     .10     100
3814        RK    2700   .0054     .05     .25    TRAP       0      20
3815        RK   10500   .0054     .02            TRAP     180       3

3816        KK    C134
3817        KM        ADD HYDROGRAPHS AT C134.
3818        HC       2
3819        ZZ
```

SCHEMATIC DIAGRAM OF STREAM NETWORK

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

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

   32          1
               V
               V
   43         C1
               V
               V
   49       C62L
               .
               .
   52          .        62L
               .          .
               .          .
   59       C62L............
               V
               V
   62       C62I
               .
               .
   65          .        62I
               .          .
               .          .
   72       C62I............
               V
               V
   75       C62H
               .
               .
   78          .        62H
               .          .
               .          .
   85          .          .        62J
               .          .          .
               .          .          .
   92       C62H........................
               V
               V
   95       C62K
               .
               .
   98          .          2
               .          V
               .          V
  104          .         C2
               .          V
               .          V
  110          .       C62M
               .          .
               .          .
  113          .          .        62M
```

```
                .          .          .
                .          .          .
120             .        C62M..........
                .          V
                .          V
123             .        C62K
                .          .
                .          .
126             .          .          3
                .          .          V
                .          .          V
132             .          .         C3
                .          .          V
                .          .          V
138             .          .       C62K
                .          .          .
                .          .          .
141             .          .          .          4
                .          .          .          V
                .          .          .          V
148             .          .          .         C4
                .          .          .          .
                .          .          .          .
156             .          .          .          .-------)    DIV4
154             .          .          .         C4
                .          .          .          V
                .          .          .          V
159             .          .          .       C62K
                .          .          .          .
                .          .          .          .
164             .          .          .          .          .(-------    DIV4
162             .          .          .          .        C4
                .          .          .          .         V
                .          .          .          .         V
165             .          .          .          .        C5
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1369       .          .         .        82T
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1376       .        C81T........................
           .          V
           .          V
1379       .        C78T
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1382     C78T............
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1385       .         78T
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1392     C78T............
           V
           V
1395     C76T
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1398       .         79T
           .          V
           .          V
1405       .        C76T
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1408     C76T............
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1411       .         77T
           .          V
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1419      .        C76T
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1422    C76T............
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1425      .         76T
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1432    C76T............
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1435      .         66
          .          V
          .          V
1442      .        C67
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1445      .          .          67
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1457      .        C67............
          .          V
          .          V
1460      .        C68
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1463      .          .          68
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1473      .        C68............
          .          V
          .          V
1476      .        C69
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1479      .          .          69
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1486      .        C69............
          .          V
          .          V
1489      .        C70
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1492      .          .         70A
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          .          .          V
1503      .          .         C70
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1506      .          .           .          70
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1513      .        C70........................
          .          V
          .          V
1516      .        C71
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1519      .          .          71
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1526      .        C71............
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1529      .         C72
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1532      .          .          72
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1541      .         C72............
          .          V
          .          V
1544      .         C73
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1547      .          .          73
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1556      .         C73............
          .          V
          .          V
1559      .         C74
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1562      .          .          75
          .          .           V
          .          .           V
1571      .          .         C74
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1574      .          .           .          74
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1581      .         C74........................
          .          V
          .          V
1584      .        C76T
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1587     C76T............
          V
          V
1590     C91
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1595      .          .<-------   DIV33
1593      .         C33
          .          V
          .          V
1596      .         C34
          .          .
          .          .
1599      .          .          34
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1606      .         C34............
          .          V
          .          V
1609      .         C34
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1617      .          .------->   DIV34
1615      .         C34
          .          V
          .          V
1620      .        C640
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1625   .        .        .<-------   DIV34
1623   .        .      C34
       .        .       V
       .        .       V
1626   .        .      C35
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1629   .        .       .          35
       .        .       .           .
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1636   .        .      C35...........
       .        .       V
       .        .       V
1639   .        .      C35
       .        .       .
       .        .       .
1647   .        .       .------->   DIV35
1645   .        .      C35
       .        .       V
       .        .       V
1650   .        .     C64A
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1653   .        .       .         64A
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1660   .      C64A......................
       .       V
       .       V
1663   .      C64
       .        .
       .        .
1668   .        .       .<-------   DIV35
1666   .        .      C35
       .        .       V
       .        .       V
1669   .        .      C36
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1672   .        .       .          36
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1679   .        .      C36...........
       .        .       V
       .        .       V
1682   .        .      C36
       .        .       V
       .        .       V
1689   .        .     C64B
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       .        .       .
1692   .        .       .          37
       .        .       .           V
       .        .       .           V
1699   .        .       .         C37
       .        .       .           V
       .        .       .           V
1705   .        .       .        C64B
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1708   .        .       .           .        64B
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1715   .        .     C64B......................
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       .        .       V
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1718        .         .        C64
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1721        .         .         .        64
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1728        .       C64.......................
            .         V
            .         V
1731        .       C64
            .         V
            .         V
1737        .       C95
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1740        .         .        95
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1747        .       C95............
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1750        .         .        96
            .         .         V
            .         .         V
1757        .         .       C95
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1760        .         .         .        94
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1767        .         .       C95............
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1770        .       C95............
            .         V
            .         V
1773        .       C93
            .         .
            .         .
1776        .         .        93
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            .         .         .
1783        .       C93............
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            .         .
1786        .         .        92
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1793        .       C93............
            .         V
            .         V
1796        .       C91
            .         .
            .         .
1799      C91............
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1802        .        91
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1809      C91............
            V
            V
1812      C97
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1815   .        38
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1822   .         .        38B
       .         .         V
       .         .         V
1829   .         .       CP38
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       .         .         .
1832   .      CP38............
       .         .
       .         .
1835   .         .        38A
       .         .         .
       .         .         .
1841   .      CP38............
       .        V
       .        V
1844   .       C38
       .         .
       .         .
1852   .         .-------> DIV38
1850   .       C39
       .        V
       .        V
1855   .       C38
       .         .
       .         .
1863   .         .-------> DIV38
1861   .       C38
       .        V
       .        V
1866   .      C65B
       .         .
       .         .
1871   .         .          .<------- DIV38
1869   .         .        C38
       .         .         V
       .         .         V
1872   .         .        C39
       .         .         .
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1875   .         .         .         39
       .         .         .          .
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1882   .         .        C39............
       .         .         V
       .         .         V
1885   .         .        C39
       .         .         V
       .         .         V
1891   .         .        C65
       .         .         .
       .         .         .
1894   .         .         .        65B
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       .         .         .          .
1901   .      C65B........................
       .        V
       .        V
1904   .      C65A
       .         .
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1907   .         .        65A
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1914  .     C65A...........
      .       V
      .       V
1917  .     C65
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      .       .
1920  .       .       65
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1927  .     C65...........
      .       .
      .       .
1930  .       .      40A
      .       .        V
      .       .        V
1937  .       .      C40
      .       .        .
      .       .        .
1940  .       .        .     40E
      .       .        .       V
      .       .        .       V
1946  .       .        .    C40E
      .       .        .       V
      .       .        .       V
1952  .       .        .    C40C
      .       .        .       .
      .       .        .       .
1955  .       .        .       .      40F
      .       .        .       .        V
      .       .        .       .        V
1962  .       .        .       .     C40F
      .       .        .       .        V
      .       .        .       .        V
1968  .       .        .       .     C40C
      .       .        .       .        .
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1971  .       .        .       .        .      40C
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1978  .       .        .    C40C.......................
      .       .        .       V
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1981  .       .        .    C40C
      .       .        .       V
      .       .        .       V
1987  .       .        .    C40B
      .       .        .       .
      .       .        .       .
1990  .       .        .       .      40J
      .       .        .       .        V
      .       .        .       .        V
1997  .       .        .       .     C40H
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2000  .       .        .       .        .      40H
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      .       .        .       .        .       .
2007  .       .        .       .     C40H...........
      .       .        .       .        V
      .       .        .       .        V
2010  .       .        .       .     C40G
      .       .        .       .        .
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2013  .       .        .       .        .      40I
      .       .        .       .        .        V
      .       .        .       .        .        V
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ROUTED TO	C64	682.	13.75	410.	145.	109.	2.67		
HYDROGRAPH AT	C35	49.	13.10	7.	2.	1.	0.34		
ROUTED TO	C36	40.	13.45	7.	2.	1.	0.34		
HYDROGRAPH AT	36	1079.	13.65	605.	204.	153.	3.64		
2 COMBINED AT	C36	1115.	13.65	612.	206.	155.	3.64		
ROUTED TO	C36	1115.	13.65	612.	206.	155.	3.64	1739.84	13.80
ROUTED TO	C64B	948.	14.50	590.	205.	154.	3.64		
HYDROGRAPH AT	37	810.	13.65	450.	152.	114.	2.71		
ROUTED TO	C37	810.	13.65	450.	152.	114.	2.71	1721.51	13.80
ROUTED TO	C64B	684.	14.55	433.	151.	114.	2.71		
HYDROGRAPH AT	64B	1161.	12.70	356.	113.	85.	1.93		
3 COMBINED AT	C64B	1897.	14.35	1338.	468.	352.	8.28		
ROUTED TO	C64	1816.	14.95	1306.	467.	351.	8.28		
HYDROGRAPH AT	64	1779.	12.90	569.	185.	139.	3.52		
3 COMBINED AT	C64	3172.	13.25	2219.	785.	590.	14.47		
ROUTED TO	C64	2268.	15.85	1887.	761.	572.	14.47	1548.43	15.95
ROUTED TO	C95	2144.	17.05	1813.	754.	566.	14.47		
HYDROGRAPH AT	95	594.	13.20	251.	84.	63.	1.72		
2 COMBINED AT	C95	2232.	16.95	1909.	832.	625.	16.19		
HYDROGRAPH AT	96	755.	12.85	237.	78.	59.	1.89		
ROUTED TO	C95	608.	13.25	234.	78.	58.	1.89		
HYDROGRAPH AT	94	205.	12.80	67.	22.	16.	0.53		
2 COMBINED AT	C95	756.	13.20	298.	100.	75.	2.42		
2 COMBINED AT	C95	2340.	16.85	2036.	923.	694.	18.61		
ROUTED TO	C93	2259.	17.95	1994.	914.	686.	18.61		
HYDROGRAPH AT	93	285.	13.65	138.	48.	36.	1.16		
2 COMBINED AT	C93	2307.	17.90	2048.	957.	719.	19.77		
HYDROGRAPH AT	92	334.	13.90	181.	64.	48.	1.55		
2 COMBINED AT	C93	2377.	17.80	2133.	1015.	763.	21.32		
ROUTED TO	C91	2357.	18.40	2124.	1009.	758.	21.32		
2 COMBINED AT	C91	15940.	17.55	13575.	5933.	4457.	160.36		
HYDROGRAPH AT	91	393.	13.30	157.	53.	40.	1.12		
2 COMBINED AT	C91	15990.	17.55	13636.	5978.	4490.	161.48		
				6 hr	24 hr				

ROUTED TO	C37	14856.	18.95	12966.	5864.	4405.	161.48		
HYDROGRAPH AT	38	1003.	13.85	586.	201.	151.	3.88		
HYDROGRAPH AT	38B	1195.	13.75	682.	233.	175.	4.49		
ROUTED TO	CP38	1172.	14.05	677.	233.	175.	4.49		
2 COMBINED AT	CP38	2163.	13.95	1259.	434.	326.	8.37		
HYDROGRAPH AT	38A	172.	12.50	48.	15.	11.	0.28		
2 COMBINED AT	CP38	2202.	13.95	1301.	449.	337.	8.65		
ROUTED TO	C38	2202.	13.95	1301.	449.	337.	8.65	1676.33	14.10
DIVERSION TO	DIV38	0.	0.05	0.	0.	0.	8.65		
HYDROGRAPH AT	C38	2202.	13.95	1301.	449.	337.	8.65		
ROUTED TO	C38	2202.	14.00	1301.	449.	337.	8.65	1676.33	14.10
DIVERSION TO	DIV38	0.	0.05	0.	0.	0.	8.65		
HYDROGRAPH AT	C38	2202.	14.00	1301.	449.	337.	8.65		
ROUTED TO	C65B	2051.	14.60	1276.	448.	336.	8.65		
HYDROGRAPH AT	C38	0.	0.05	0.	0.	0.	8.65		
ROUTED TO	C39	0.	0.05	0.	0.	0.	8.65		
HYDROGRAPH AT	39	270.	13.00	95.	31.	24.	0.76		
2 COMBINED AT	C39	270.	13.00	95.	31.	24.	0.76		
ROUTED TO	C39	270.	13.00	95.	31.	24.	0.76	1644.28	13.10
ROUTED TO	C65	183.	13.75	92.	31.	24.	0.76		
HYDROGRAPH AT	65B	261.	12.95	94.	31.	23.	0.69		
3 COMBINED AT	C65B	2275.	14.50	1449.	509.	383.	10.10		
ROUTED TO	C65A	2224.	14.90	1438.	509.	382.	10.10		
HYDROGRAPH AT	65A	397.	12.70	122.	39.	30.	0.88		
2 COMBINED AT	C65A	2291.	14.90	1519.	546.	410.	10.98		
ROUTED TO	C65	2272.	15.15	1515.	545.	410.	10.98		
HYDROGRAPH AT	65	300.	12.75	95.	31.	23.	0.69		
2 COMBINED AT	C65	2321.	15.10	1580.	575.	432.	11.67		
HYDROGRAPH AT	40A	1824.	13.60	935.	327.	245.	7.11		
ROUTED TO	C40	1685.	14.10	925.	326.	245.	7.11		
HYDROGRAPH AT	40E	109.	12.20	19.	6.	4.	0.14		
ROUTED TO	C40E	69.	12.45	19.	6.	4.	0.14	1798.06	12.45
ROUTED TO	C40C	63.	12.85	18.	6.	4.	0.14		

Peak flow

HYDROGRAPH AT	40F	1541.	12.75	565.	182.	137.	3.51		
ROUTED TO	C40F	1314.	13.15	565.	182.	137.	3.51	1003.59	13.20
ROUTED TO	C40C	1301.	13.30	564.	182.	137.	3.51		
HYDROGRAPH AT	40C	214.	12.20	30.	9.	7.	0.21		
3 COMBINED AT	C40C	1373.	13.25	610.	197.	148.	3.86		
ROUTED TO	C40C	1188.	13.90	609.	197.	148.	3.86	1765.48	13.75
ROUTED TO	C40B	1184.	14.00	608.	197.	148.	3.86		
HYDROGRAPH AT	40J	1658.	12.15	220.	68.	51.	3.24		
ROUTED TO	C40H	1095.	12.35	220.	68.	51.	3.24		
HYDROGRAPH AT	40H	679.	12.30	134.	42.	31.	0.67		
2 COMBINED AT	C40H	1764.	12.30	352.	110.	83.	3.91		
ROUTED TO	C40G	1213.	12.75	351.	110.	83.	3.91		
HYDROGRAPH AT	40I	686.	12.20	105.	32.	24.	1.65		
ROUTED TO	C40G	372.	12.55	105.	32.	24.	1.65		
2 COMBINED AT	C40G	1567.	12.70	455.	142.	107.	5.56		
HYDROGRAPH AT	40G	1237.	12.60	349.	111.	83.	2.05		
2 COMBINED AT	C40G	2774.	12.65	802.	253.	190.	7.61		
ROUTED TO	C40G	2192.	13.00	802.	253.	190.	7.61	1803.83	13.05
ROUTED TO	C40D	2177.	13.15	802.	253.	190.	7.61		
HYDROGRAPH AT	40D	185.	12.15	25.	8.	6.	0.19		
2 COMBINED AT	C40D	2204.	13.15	825.	261.	196.	7.80		
ROUTED TO	C40D	1759.	13.75	824.	261.	196.	7.80	1772.94	13.70
ROUTED TO	C40B	1738.	14.00	822.	261.	196.	7.80		
HYDROGRAPH AT	40B	475.	12.20	71.	22.	17.	0.51		
3 COMBINED AT	C40B	2953.	13.95	1478.	475.	357.	12.17		
ROUTED TO	C40B	2883.	14.25	1478.	475.	357.	12.17	1716.49	14.15
ROUTED TO	C40	2796.	14.70	1466.	475.	357.	12.17		
HYDROGRAPH AT	40	547.	12.95	189.	62.	47.	1.45		
3 COMBINED AT	C40	4442.	14.40	2492.	840.	631.	20.73		
ROUTED TO	C40	4439.	14.45	2491.	840.	631.	20.73	1604.60	14.45
ROUTED TO	C41	4411.	14.65	2487.	839.	631.	20.73		
HYDROGRAPH AT	41	356.	12.60	110.	35.	26.	0.68		
2 COMBINED AT	C41	4475.	14.65	2563.	872.	655.	21.41		

ROUTED TO	C41	4475.	14.65	2563.	872.	655.	21.41	1560.86	14.70
DIVERSION TO	DIV41	0.	0.05	0.	0.	0.	21.41		
HYDROGRAPH AT	C41	4475.	14.65	2563.	872.	655.	21.41	— diverted flows	
ROUTED TO	C65	4473.	14.70	2563.	872.	655.	21.41		
2 COMBINED AT	C65	6548.	14.85	4014.	1405.	1055.	33.08	deleted	
ROUTED TO	C65	6455.	15.10	3982.	1405.	1055.	33.08	1551.94	15.25
ROUTED TO	C102A	5743.	15.90	3904.	1400.	1052.	33.08		
HYDROGRAPH AT	102A	795.	13.15	314.	105.	79.	2.34		
2 COMBINED AT	C102A	5887. 4768	15.90	4067.	1495.	1123.	35.42		
HYDROGRAPH AT	104	38.	12.10	5.	2.	1.	0.04		
ROUTED TO	C104	38.	12.15	5.	2.	1.	0.04	1534.15	12.15
DIVERSION TO	DIV104	0.	0.05	0.	0.	0.	0.04		
HYDROGRAPH AT	C104	38.	12.15	5.	2.	1.	0.04		
ROUTED TO	C102A	7.	13.35	5.	2.	1.	0.04		
? 2 COMBINED AT	C102A	5891. 4773	15.90	4071.	1496.	1124.	35.46		
HYDROGRAPH AT	C104	0.	0.05	0.	0.	0.	0.04		
ROUTED TO	C105	0.	0.05	0.	0.	0.	0.04		
HYDROGRAPH AT	105	30.	12.15	4.	1.	1.	0.03		
2 COMBINED AT	C105	30.	12.15	4.	1.	1.	0.03		
ROUTED TO	C105	15.	12.40	4.	1.	1.	0.03	1533.12	12.45
DIVERSION TO	DIV105	0.	0.05	0.	0.	0.	0.03		
HYDROGRAPH AT	C105	15.	12.40	4.	1.	1.	0.03		
ROUTED TO	C102A	4.	14.40	3.	1.	1.	0.03		
2 COMBINED AT	C102A	5894. 4777	15.90	4073.	1497.	1125.	35.49		
HYDROGRAPH AT	42D1	38.	12.20	5.	2.	1.	0.04		
ROUTED TO	C42D1	16.	12.45	5.	2.	1.	0.04	1800.53	12.45
ROUTED TO	C42D	14.	13.10	5.	2.	1.	0.04		
HYDROGRAPH AT	42D	98.	12.15	13.	4.	3.	0.10		
2 COMBINED AT	C42D	101.	12.15	18.	6.	4.	0.14		
ROUTED TO	C42D	42.	12.55	18.	6.	4.	0.14	1770.44	12.55
ROUTED TO	C42A	37.	13.80	18.	6.	4.	0.14		
HYDROGRAPH AT	42A	221.	12.30	42.	13.	10.	0.33		
2 COMBINED AT	C42A	230.	12.30	60.	19.	14.	0.47		

ROUTED TO	C42A	86.	13.30	59.	19.	14.	0.47	1710.79	13.20
ROUTED TO	C42	74.	15.50	55.	19.	14.	0.47		
HYDROGRAPH AT	42E1	292.	12.40	70.	22.	17.	0.48		
ROUTED TO	C42E1	146.	13.00	70.	22.	17.	0.48	1803.81	12.95
ROUTED TO	C42E	145.	13.35	70.	22.	17.	0.48		
HYDROGRAPH AT	42E	96.	12.15	13.	4.	3.	0.10		
2 COMBINED AT	C42E	158.	13.20	82.	26.	20.	0.58		
ROUTED TO	C42E	112.	14.55	82.	26.	20.	0.58	1773.76	14.25
ROUTED TO	C42B	111.	14.90	81.	26.	20.	0.58		
HYDROGRAPH AT	42B	135.	12.25	22.	7.	5.	0.17		
2 COMBINED AT	C42B	151.	12.25	102.	33.	25.	0.75		
ROUTED TO	C42B	108.	15.90	101.	33.	25.	0.75	1711.74	15.45
ROUTED TO	C42	106.	18.20	90.	33.	25.	0.75		
HYDROGRAPH AT	42F1	116.	12.45	28.	9.	7.	0.22		
ROUTED TO	C42F1	79.	12.80	28.	9.	7.	0.22	1801.14	12.85
ROUTED TO	C42F	74.	13.15	28.	9.	7.	0.22		
HYDROGRAPH AT	42F	105.	12.20	14.	4.	3.	0.11		
2 COMBINED AT	C42F	109.	12.20	42.	13.	10.	0.33		
ROUTED TO	C42F	90.	12.35	42.	13.	10.	0.33	1765.64	13.20
ROUTED TO	C42C	85.	13.60	41.	13.	10.	0.33		
HYDROGRAPH AT	42C	273.	12.15	40.	12.	9.	0.30		
2 COMBINED AT	C42C	279.	12.20	80.	26.	19.	0.63		
ROUTED TO	C42C	137.	12.70	80.	26.	19.	0.63	1716.66	12.60
ROUTED TO	C42	118.	14.85	75.	26.	19.	0.63		
HYDROGRAPH AT	42	746.	13.15	290.	95.	72.	1.88		
CAP 1E 4 COMBINED AT	C42	902.	13.25	496.	173.	130.	3.73	– diverted flows?	
HYDROGRAPH AT	43B	632.	12.15	103.	32.	24.	1.52		
ROUTED TO	C43A	411.	12.50	103.	32.	24.	1.52		
HYDROGRAPH AT	43A	975.	12.55	271.	85.	64.	1.46		
2 COMBINED AT	C43A	1382.	12.50	373.	117.	88.	2.98		
ROUTED TO	C43A	1351.	12.60	372.	117.	88.	2.98	1900.46	12.65
ROUTED TO	C43	939.	13.35	368.	117.	88.	2.98		
HYDROGRAPH AT	43C	284.	12.30	57.	18.	13.	0.31		

	ROUTED TO	C43C	126.	12.85	57.	18.	13.	0.31	1804.97	12.80
	ROUTED TO	C43	90.	14.35	54.	18.	13.	0.31		
	HYDROGRAPH AT	43D	330.	12.30	65.	20.	15.	0.35		
	ROUTED TO	C43D	138.	12.85	65.	20.	15.	0.35	1804.21	12.80
	ROUTED TO	C43	106.	14.65	61.	20.	15.	0.35		
	3 COMBINED AT	C43	968.	13.40	481.	155.	116.	3.64		
	HYDROGRAPH AT	43E	321.	12.25	59.	18.	14.	0.32		
	ROUTED TO	C43E	158.	12.70	59.	18.	14.	0.32	1804.29	12.65
	ROUTED TO	C43	100.	14.05	56.	18.	14.	0.32		
	HYDROGRAPH AT	43	1435.	13.20	593.	198.	149.	4.42		
CAP3E ? CAP2E	3 COMBINED AT	C43	2448.	13.30	1124.	371.	279.	8.38	diverted flows? inflow	
	HYDROGRAPH AT	44	336.	12.60	96.	31.	23.	0.76		
CAP4E	HYDROGRAPH AT	45	690.	13.10	282.	94.	71.	2.29		
	4 COMBINED AT	C46	4099.	13.20	1951.	656.	493.	15.16		
CAP5E	HYDROGRAPH AT	46	458.	12.90	152.	50.	38.	1.22		
	2 COMBINED AT	C46	4433.	13.20	2091.	702.	527.	16.38		
	HYDROGRAPH AT	47C	5428.	12.30	1128.	352.	264.	16.43		
	ROUTED TO	C47B	2928.	12.90	1119.	352.	264.	16.43		
	HYDROGRAPH AT	47B	1062.	12.85	386.	124.	93.	2.30		
	2 COMBINED AT	C47B	3939.	12.90	1490.	471.	354.	18.73		
	ROUTED TO	C47A	3505.	13.35	1486.	471.	354.	18.73		
	HYDROGRAPH AT	47A	762.	12.95	295.	96.	72.	1.90		
	2 COMBINED AT	C47A	4122.	13.30	1761.	562.	422.	20.63		
	ROUTED TO	C47	4051.	13.50	1759.	562.	422.	20.63		
	HYDROGRAPH AT	47	152.	12.30	32.	10.	8.	0.24		
CAP6E	2 COMBINED AT	C47	4080.	13.50	1784.	571.	429.	20.87	diverted flows?. inflow	
CAP7E	HYDROGRAPH AT	48	3286.	13.40	1566.	522.	392.	9.63	diverted flows?.	
CAP8E	HYDROGRAPH AT	49	234.	12.65	72.	23.	18.	0.57	diverted flows?;	
	4 COMBINED AT	C49	11085.	13.40	5238.	1732.	1301.	47.45		
	HYDROGRAPH AT	50	191.	12.40	41.	13.	10.	0.32		
	2 COMBINED AT	C50	11128.	13.35	5273.	1744.	1310.	47.77		
	ROUTED TO	C50	3043.	16.15	2928.	1716.	1289.	47.77	1549.88	16.10
	DIVERSION TO	DIV50	0.	0.05	0.	0.	0.	47.77		

HYDROGRAPH AT	C50	3043.	16.15	2928.	1716.	1289.	47.77		
out flow DIVERSION TO	DIV42	311. 283	16.15	298.	167.	125.	47.77		
HYDROGRAPH AT	C42	2732. 2760	16.15	2630.	1549.	1164.	47.77		
DIVERSION TO	DIV43	323.	16.15	310.	178.	134.	47.77		
HYDROGRAPH AT	C43	2409.	16.15	2320.	1371.	1030.	47.77		
DIVERSION TO	DIV44	330.	16.15	316.	182.	137.	47.77		
HYDROGRAPH AT	C44	2079.	16.15	2004.	1189.	893.	47.77		
DIVERSION TO	DIV45	340.	16.15	328.	194.	146.	47.77		
HYDROGRAPH AT	C45	1739.	16.15	1676.	995.	747.	47.77		
DIVERSION TO	DIV46	346.	16.15	331.	194.	145.	47.77		
HYDROGRAPH AT	C46	1393.	16.15	1345.	801.	602.	47.77		
DIVERSION TO	DIV47	350.	16.15	338.	202.	152.	47.77		
HYDROGRAPH AT	C47	1043.	16.15	1008.	599.	450.	47.77		
DIVERSION TO	DIV48	350.	16.15	338.	201.	151.	47.77		
HYDROGRAPH AT	C48	694.	16.15	670.	399.	299.	47.77		
DIVERSION TO	DIV49	357.	16.15	345.	207.	155.	47.77		
HYDROGRAPH AT	C49	337.	16.15	325.	192.	144.	47.77		
DIVERSION TO	DIV50A	337.	16.15	325.	192.	144.	47.77		
HYDROGRAPH AT	C50A	0.	0.05	0.	0.	0.	47.77		
HYDROGRAPH AT	C42	311.	16.15	298.	167.	125.	47.77		
ROUTED TO	C106	311.	16.40	298.	167.	125.	47.77		
HYDROGRAPH AT	106	43.	12.30	9.	3.	2.	0.06		
2 COMBINED AT	C106	330.	16.40	316.	183.	137.	0.06		
HYDROGRAPH AT	C105	0.	0.05	0.	0.	0.	0.03		
ROUTED TO	C106	0.	0.05	0.	0.	0.	0.03		
2 COMBINED AT	C106	330.	16.40	316.	183.	137.	0.06		
ROUTED TO	C106	330.	16.45	316.	183.	137.	0.06	1522.80	16.35
DIVERSION TO	DIV106	0.	0.05	0.	0.	0.	0.06		
HYDROGRAPH AT	C106	330.	16.45	316.	183.	137.	0.06		
ROUTED TO	C102A	319.	18.55	307.	178.	134.	0.06		
2 COMBINED AT	C102A	303.	18.50	291.	165.	124.	47.83		
HYDROGRAPH AT	C43	323.	16.15	310.	178.	134.	47.77		
ROUTED TO	C107	322.	16.65	310.	177.	133.	47.77		

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2020   .    .    .    .    .    C40G
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2023   .    .    .    .  C40G............
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2033   .    .    .    .  C40G............
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2036   .    .    .    .  C40G
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2042   .    .    .    .  C40D
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2045   .    .    .    .    .      40D
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2052   .    .    .    .  C40D............
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2055   .    .    .    .  C40D
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2061   .    .    .    .  C40B
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2064   .    .    .    .    .      40B
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2071   .    .    .  C40B........................
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2074   .    .    .  C40B
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2081   .    .    .   C40
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2084   .    .    .    .    40
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2091   .    .  C40........................
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2094   .    .  C40
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2101   .    .  C41
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2104   .    .    .   41
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2110   .    .  C41............
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2113   .    .  C41
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2122   .    .    .-------> DIV41
2120   .    .  C41
       .    .    V
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HYDROGRAPH AT	C18	47.	13.15	14.	4.	3.	0.04		
ROUTED TO	C62E	19.	14.35	12.	4.	3.	0.04		
HYDROGRAPH AT	19	123.	12.35	26.	8.	6.	0.14		
HYDROGRAPH AT	C18	58.	13.15	9.	2.	2.	0.04		
ROUTED TO	C19	58.	13.15	9.	2.	2.	0.04		
2 COMBINED AT	C19	132.	12.35	35.	10.	8.	0.14		
ROUTED TO	C19	78.	13.55	35.	10.	8.	0.14	1890.21	12.75
DIVERSION TO	DIV19	0.	0.05	0.	0.	0.	0.14		
HYDROGRAPH AT	C19	78.	13.55	35.	10.	8.	0.14		
ROUTED TO	C62E	56.	14.85	32.	10.	8.	0.14		
HYDROGRAPH AT	20	422.	12.55	124.	39.	30.	0.70		
HYDROGRAPH AT	C19	0.	0.05	0.	0.	0.	0.14		
ROUTED TO	C20	0.	0.05	0.	0.	0.	0.14		
2 COMBINED AT	C20	422.	12.55	124.	39.	30.	0.70		
ROUTED TO	C20	420.	12.60	124.	39.	30.	0.70	1890.00	12.65
DIVERSION TO	DIV20	215.	12.60	26.	6.	5.	0.70		
HYDROGRAPH AT	C20	205.	12.60	99.	33.	25.	0.70		
ROUTED TO	C62E	138.	14.25	91.	33.	25.	0.70		
HYDROGRAPH AT	21	24.	12.10	3.	1.	1.	0.02		
HYDROGRAPH AT	C20	215.	12.60	26.	6.	5.	0.70		
ROUTED TO	C21	212.	12.65	26.	6.	5.	0.70		
2 COMBINED AT	C21	220.	12.65	29.	7.	6.	0.02		
ROUTED TO	C21	219.	12.70	29.	7.	6.	0.02	1888.74	12.75
DIVERSION TO	DIV21	200.	12.70	24.	6.	4.	0.02		
HYDROGRAPH AT	C21	19.	12.70	5.	1.	1.	0.02		
ROUTED TO	C62E	7.	14.05	4.	1.	1.	0.02		
5 COMBINED AT	C62E	4378.	13.85	2561.	870.	654.	19.93		
HYDROGRAPH AT	62F	805.	13.10	330.	110.	82.	2.18		
2 COMBINED AT	C62E	4915.	13.75	2854.	972.	730.	22.11		
ROUTED TO	C62D	4898.	13.85	2851.	972.	730.	22.11		
HYDROGRAPH AT	62D	790.	13.00	302.	98.	74.	1.66		
2 COMBINED AT	C62D	5360.	13.75	3113.	1063.	799.	23.77		
ROUTED TO	C62B	5239.	14.10	3098.	1063.	798.	23.77		

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2125            .         .       C65
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2128            .       C65...........
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2131            .       C65
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2137            .     C102A
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2140            .         .      102A
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2147            .     C102A...........
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2150            .         .       104
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2156            .         .      C104
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2164            .         .         .-------> DIV104
2162            .         .      C104
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2167            .         .     C102A
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2170            .     C102A...........
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2175            .         .         .<------- DIV104
2173            .         .      C104
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2176            .         .      C105
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2179            .         .         .       105
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2185            .         .      C105...........
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2188            .         .      C105
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2196            .         .         .-------> DIV105
2194            .         .      C105
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2199            .         .     C102A
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2202            .     C102A...........
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2205            .         .      42D1
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2211            .         .     C42D1
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2217  .       .     C42D
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2220  .       .       .       42D
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2227  .       .     C42D............
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2230  .       .     C42D
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2236  .       .     C42A
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2239  .       .       .       42A
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2246  .       .     C42A............
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2249  .       .     C42A
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2255  .       .      C42
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2258  .       .       .      42E1
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2265  .       .       .     C42E1
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2271  .       .       .      C42E
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2274  .       .       .        .        42E
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2281  .       .       .      C42E............
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2284  .       .       .      C42E
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2290  .       .       .      C42B
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2293  .       .       .        .        42B
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2300  .       .       .      C42B............
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2303  .       .       .      C42B
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309   .       .       .      C42
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2312  .       .       .        .       42F1
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2319  .       .       .        .      C42F1
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2326            .         .         .         .       C42F
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2329            .         .         .         .         .         42F
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2336            .         .         .         .       C42F............
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2339            .         .         .         .       C42F
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2345            .         .         .         .       C42C
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2348            .         .         .         .         .         42C
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2355            .         .         .         .       C42C............
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2358            .         .         .         .       C42C
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2364            .         .         .         .        C42
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2367            .         .         .         .         .          42
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2374            .         .       C42.................................
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2377            .         .         .        43B
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2384            .         .         .       C43A
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2387            .         .         .         .        43A
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2394            .         .         .       C43A............
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2397            .         .         .       C43A
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2403            .         .         .        C43
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2406            .         .         .         .        43C
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2413            .         .         .         .       C43C
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2419            .         .         .         .        C43
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2422            .         .         .         .         .         43D
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2429            .         .         .         .         .       C43D
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2435                                              C43
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2438                                  C43.......................
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2441                                                    43E
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2448                                                    C43E
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2454                                                    C43
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2457                                                      .          43
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2464                                  C43.......................
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2467                                                      44
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2474                                                      .          45
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2481                              C46.................................
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2484                                  46
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2491                              C46............
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2494                                  47C
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2503                                  C47B
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2506                                                      47B
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2513                                  C47B............
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2516                                  C47A
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2519                                                      47A
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2526                                  C47A............
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2529                                  C47
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2532                                                      47
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2539                                  C47............
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2548            .         .         .         .         .        49
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2555            .         .       C49.................................
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2560            .         .         .        50
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2565            .         .       C50............
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2568            .         .       C50
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3806   C134............
          .
          .
3809      .        134
          .          .
          .          .
3816   C134............
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
****************************************
*                                      *
*  FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*           FEBRUARY 1981              *
*          REVISED 14 JUN 85           *
*                                      *
*      RUN DATE: 04/21/1988            *
*          TIME: 18:02:36.53           *
*                                      *
****************************************
```

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

WTM100YR

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 IS THE 100 YEAR MODEL FOR THE STUDY AREA AND INCLUDES STORAGE ROUTING AND DIVERSIONS ALONG THE A.T. & S.F. RAILROAD, THE CAP CANAL, AND THE BEARDSLEY CANAL.

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

   IT        HYDROGRAPH TIME DATA
                   NMIN          3  MINUTES IN COMPUTATION INTERVAL
                  IDATE     26JAN87  STARTING DATE
                  ITIME       1200  STARTING TIME
                     NQ        640  NUMBER OF HYDROGRAPH ORDINATES
                 NQDATE     27JAN87  ENDING DATE
                 NQTIME       1957  ENDING TIME

             COMPUTATION INTERVAL    0.05 HOURS
                  TOTAL TIME BASE   31.95 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

17 JD        INDEX STORM NO. 1
                  STRM       4.21  PRECIPITATION DEPTH
```

TRDA 0.00 TRANSPOSITION DRAINAGE AREA

18 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

28 ID INDEX STORM NO. 2

STRM 4.17 PRECIPITATION DEPTH

TRDA 10.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

29 JD INDEX STORM NO. 3

STRM 4.00 PRECIPITATION DEPTH

TRDA 50.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

30 JD INDEX STORM NO. 4

STRM 3.93 PRECIPITATION DEPTH

TRDA 100.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

31 JD INDEX STORM NO. 5

STRM 3.82 PRECIPITATION DEPTH

TRDA 350.00 TRANSPOSITION DRAINAGE AREA

0 PI PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.06	0.06
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN        0. TO    13440.
                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      345. TO      588.
                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      707.
                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     7200.
                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     2960.
                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     1680.
                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     3811.
                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     3811.
                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      672.
                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      680.
                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     5737.
                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      338.
                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      990.
                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     2930.
                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     2282.
                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     1714.
                THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
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                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       39. TO      592.
                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     3138.
                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     2177.
                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.)
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WTM100YR.OUT

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	134.	12.10	17.	5.	4.	0.09		
ROUTED TO	C1	83.	12.25	17.	5.	4.	0.09	1972.99	12.35
ROUTED TO	C62L	47.	12.80	17.	5.	4.	0.09		
HYDROGRAPH AT	62L	356.	12.25	62.	19.	14.	0.36		
2 COMBINED AT	C62L	372.	12.30	79.	24.	18.	0.45		
ROUTED TO	C62I	210.	12.80	79.	24.	18.	0.45		
HYDROGRAPH AT	62I	403.	12.55	98.	31.	23.	0.54		
2 COMBINED AT	C62I	591.	12.60	175.	55.	41.	0.99		
ROUTED TO	C62H	433.	13.10	173.	55.	41.	0.99		
HYDROGRAPH AT	62H	422.	12.50	103.	32.	24.	0.55		
HYDROGRAPH AT	62J	442.	12.75	139.	44.	33.	0.88		
3 COMBINED AT	C62H	1122.	12.75	412.	131.	99.	2.42		
ROUTED TO	C62K	1103.	12.90	411.	131.	99.	2.42		
HYDROGRAPH AT	2	332.	12.40	85.	27.	20.	0.50		
ROUTED TO	C2	325.	12.50	85.	27.	20.	0.50	1968.97	12.55
ROUTED TO	C62M	281.	12.80	85.	27.	20.	0.50		
HYDROGRAPH AT	62M	150.	12.30	30.	9.	7.	0.24		
2 COMBINED AT	C62M	353.	12.65	114.	36.	27.	0.74		
ROUTED TO	C62K	236.	13.45	111.	36.	27.	0.74		
HYDROGRAPH AT	3	303.	12.30	67.	21.	16.	0.35		
ROUTED TO	C3	301.	12.30	67.	21.	16.	0.35	1968.34	12.35
ROUTED TO	C62K	129.	13.15	65.	21.	16.	0.35		
HYDROGRAPH AT	4	374.	12.65	116.	37.	27.	0.65		
ROUTED TO	C4	374.	12.65	116.	37.	27.	0.65	1966.58	12.75

DIVERSION TO	DIV4	283.	12.65	56.	14.	10.	0.65		
HYDROGRAPH AT	C4	91.	12.65	60.	23.	17.	0.65		
ROUTED TO	C62K	66.	15.25	53.	23.	17.	0.65		
HYDROGRAPH AT	C4	283.	12.65	56.	14.	10.	0.65		
ROUTED TO	C5	268.	12.85	56.	14.	10.	0.65		
HYDROGRAPH AT	5	337.	12.15	59.	18.	14.	0.35		
2 COMBINED AT	C5	375.	12.65	115.	32.	24.	0.35		
ROUTED TO	C5	364.	12.85	115.	32.	24.	0.35	1947.99	13.05
DIVERSION TO	DIV5	169.	12.85	24.	6.	4.	0.35		
HYDROGRAPH AT	C5	195.	12.85	91.	26.	20.	0.35		
ROUTED TO	C62K	158.	14.65	88.	26.	20.	0.35		
5 COMBINED AT	C62K	1520.	13.00	720.	236.	178.	4.51		
HYDROGRAPH AT	C5	169.	12.85	24.	6.	4.	0.35		
ROUTED TO	C6	160.	13.05	24.	6.	4.	0.35		
HYDROGRAPH AT	6	58.	12.05	6.	2.	1.	0.03		
2 COMBINED AT	C6	168.	13.05	30.	8.	6.	0.03		
ROUTED TO	C6	167.	13.10	30.	8.	6.	0.03	1947.73	13.35
DIVERSION TO	DIV6	136.	13.10	20.	5.	4.	0.03		
HYDROGRAPH AT	C6	31.	13.10	10.	3.	2.	0.03		
ROUTED TO	C62K	16.	14.20	9.	3.	2.	0.03		
HYDROGRAPH AT	C6	136.	13.10	20.	5.	4.	0.03		
ROUTED TO	C7	134.	13.15	20.	5.	4.	0.03		
HYDROGRAPH AT	7	57.	12.15	8.	2.	2.	0.04		
2 COMBINED AT	C7	141.	13.15	28.	7.	6.	0.04		
ROUTED TO	C7	77.	13.60	28.	7.	6.	0.04	1942.63	13.75
DIVERSION TO	DIV7	0.	0.05	0.	0.	0.	0.04		
HYDROGRAPH AT	C7	77.	13.60	28.	7.	6.	0.04		
ROUTED TO	C62K	52.	14.65	26.	7.	6.	0.04		
HYDROGRAPH AT	62K	532.	13.05	207.	68.	51.	1.40		
4 COMBINED AT	C62K	2064.	13.05	960.	314.	236.	5.98		
ROUTED TO	C62G	1848.	13.55	950.	314.	236.	5.98		
HYDROGRAPH AT	C7	0.	0.05	0.	0.	0.	0.04		
ROUTED TO	C8	0.	0.05	0.	0.	0.	0.04		

HYDROGRAPH AT	8	19.	12.05	2.	1.	0.	0.01		
2 COMBINED AT	C8	19.	12.05	2.	1.	0.	0.01		
ROUTED TO	C8	12.	12.15	2.	1.	0.	0.01	1940.02	12.15
DIVERSION TO	DIV8	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	C8	12.	12.15	2.	1.	0.	0.01		
ROUTED TO	C62G	2.	13.45	2.	1.	0.	0.01		
HYDROGRAPH AT	C8	0.	0.05	0.	0.	0.	0.01		
ROUTED TO	C9	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	9	87.	12.20	15.	5.	4.	0.08		
2 COMBINED AT	C9	87.	12.20	15.	5.	4.	0.08		
ROUTED TO	C9	84.	12.25	15.	5.	4.	0.08	1933.53	12.30
DIVERSION TO	DIV9	59.	12.25	6.	2.	1.	0.08		
HYDROGRAPH AT	C9	25.	12.25	9.	3.	2.	0.08		
ROUTED TO	C62G	9.	14.75	8.	3.	2.	0.08		
HYDROGRAPH AT	62G	874.	12.85	303.	98.	73.	1.86		
4 COMBINED AT	C62G	2470.	13.30	1248.	415.	312.	7.93		
ROUTED TO	C62E	2354.	13.70	1241.	415.	312.	7.93		
HYDROGRAPH AT	62E	345.	12.80	111.	36.	27.	0.68		
2 COMBINED AT	C62E	2520.	13.60	1343.	450.	338.	8.61		
HYDROGRAPH AT	10A	1788.	12.25	314.	97.	73.	4.94		
ROUTED TO	C10	724.	12.95	312.	97.	73.	4.94		
HYDROGRAPH AT	C9	59.	12.25	6.	2.	1.	0.08		
ROUTED TO	C10	54.	12.40	6.	2.	1.	0.08		
HYDROGRAPH AT	10	1635.	12.95	652.	213.	160.	3.93		
3 COMBINED AT	C10	2371.	12.95	967.	311.	234.	8.87		
ROUTED TO	C10	2372.	12.95	967.	311.	234.	8.87	1922.46	13.00
ROUTED TO	C62E	1588.	14.00	930.	311.	233.	8.87		
HYDROGRAPH AT	11	203.	12.25	38.	12.	9.	0.20		
HYDROGRAPH AT	12	4.	12.05	0.	0.	0.	0.00		
2 COMBINED AT	C11	204.	12.25	38.	12.	9.	0.20		
ROUTED TO	C11	79.	12.75	38.	12.	9.	0.20	1920.02	12.75
ROUTED TO	C62E	46.	15.25	33.	12.	9.	0.20		
HYDROGRAPH AT	13	108.	12.25	19.	6.	4.	0.10		

ROUTED TO	C13	87.	12.40	19.	6.	4.	0.10	1909.53	12.45
ROUTED TO	C62E	26.	13.60	17.	6.	4.	0.10		
4 COMBINED AT	C62E	3995.	13.80	2255.	760.	571.	17.78		
HYDROGRAPH AT	14	20.	12.05	2.	1.	0.	0.01		
ROUTED TO	C62E	2.	13.25	2.	1.	0.	0.01		
HYDROGRAPH AT	15	435.	12.45	106.	33.	25.	0.57		
ROUTED TO	C15	244.	12.95	105.	33.	25.	0.57	1906.58	13.00
DIVERSION TO	DIV15	29.	12.95	4.	1.	1.	0.57		
HYDROGRAPH AT	C15	215.	12.95	101.	32.	24.	0.57		
ROUTED TO	C62E	138.	14.65	93.	32.	24.	0.57		
HYDROGRAPH AT	16	479.	12.40	115.	36.	27.	0.62		
HYDROGRAPH AT	C15	29.	12.95	4.	1.	1.	0.57		
ROUTED TO	C16	28.	13.05	4.	1.	1.	0.57		
2 COMBINED AT	C16	479.	12.40	119.	37.	28.	0.62		
ROUTED TO	C16	409.	12.60	119.	37.	28.	0.62	1903.68	12.75
DIVERSION TO	DIV16	295.	12.60	38.	9.	7.	0.62		
HYDROGRAPH AT	C16	114.	12.60	81.	28.	21.	0.62		
ROUTED TO	C62E	84.	16.45	70.	28.	21.	0.62		
HYDROGRAPH AT	17	84.	12.10	10.	3.	2.	0.05		
HYDROGRAPH AT	C16	295.	12.60	38.	9.	7.	0.62		
ROUTED TO	C17	292.	12.65	38.	9.	7.	0.62		
2 COMBINED AT	C17	309.	12.65	48.	12.	9.	0.05		
ROUTED TO	C17	285.	12.75	48.	12.	9.	0.05	1901.46	13.00
DIVERSION TO	DIV17	184.	12.75	15.	4.	3.	0.05		
HYDROGRAPH AT	C17	101.	12.75	33.	9.	7.	0.05		
ROUTED TO	C62E	62.	14.40	31.	9.	7.	0.05		
5 COMBINED AT	C62E	4199.	13.80	2433.	825.	620.	19.03		
HYDROGRAPH AT	18	70.	12.10	8.	2.	2.	0.04		
HYDROGRAPH AT	C17	184.	12.75	15.	4.	3.	0.05		
ROUTED TO	C18	170.	12.85	15.	4.	3.	0.05		
2 COMBINED AT	C18	179.	12.85	23.	6.	5.	0.04		
ROUTED TO	C18	106.	13.15	23.	6.	5.	0.04	1890.94	13.25
DIVERSION TO	DIV18	58.	13.15	9.	2.	2.	0.04		

HYDROGRAPH AT	62B	194.	12.75	67.	22.	16.	0.49		
HYDROGRAPH AT	62C	296.	12.45	75.	23.	18.	0.40		
3 COMBINED AT	C62B	5350.	14.05	3190.	1104.	829.	24.66		
ROUTED TO	C62	4294.	15.35	3038.	1099.	826.	24.66		
HYDROGRAPH AT	62A	744.	12.90	297.	92.	69.	1.58		
ROUTED TO	C62	393.	14.25	260.	92.	69.	1.58		
HYDROGRAPH AT	62	1412.	13.80	713.	247.	185.	5.09		
3 COMBINED AT	C62	5309.	15.05	3829.	1410.	1059.	31.33		
ROUTED TO	C62	5001.	15.75	3313.	1375.	1032.	31.33	1552.35	15.95
ROUTED TO	C83T	4114.	17.15	3188.	1353.	1017.	31.33		
HYDROGRAPH AT	83T	317.	13.85	174.	60.	45.	1.29		
2 COMBINED AT	C83T	4187.	17.15	3252.	1408.	1058.	32.62		
HYDROGRAPH AT	C21	200.	12.70	24.	6.	4.	0.02		
ROUTED TO	C22	190.	12.80	24.	6.	4.	0.02		
HYDROGRAPH AT	22	153.	12.40	34.	11.	8.	0.26		
2 COMBINED AT	C22	276.	12.75	58.	17.	13.	0.26		
ROUTED TO	C22	273.	12.80	58.	17.	13.	0.26	1870.66	12.90
DIVERSION TO	DIV22	193.	12.80	22.	6.	4.	0.26		
HYDROGRAPH AT	C22	80.	12.80	35.	11.	8.	0.26		
ROUTED TO	C63B	56.	14.50	33.	11.	8.	0.26		
HYDROGRAPH AT	C22	193.	12.80	22.	6.	4.	0.26		
ROUTED TO	C23	192.	12.85	22.	6.	4.	0.26		
HYDROGRAPH AT	23	8.	12.05	1.	0.	0.	0.01		
2 COMBINED AT	C23	198.	12.85	24.	6.	5.	0.01		
ROUTED TO	C23	198.	12.85	24.	6.	5.	0.01	1871.93	12.95
DIVERSION TO	DIV23	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	C23	198.	12.85	24.	6.	5.	0.01		
ROUTED TO	C63B	92.	13.45	24.	6.	5.	0.01		
HYDROGRAPH AT	C23	0.	0.05	0.	0.	0.	0.01		
ROUTED TO	C24	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	24	8.	12.05	1.	0.	0.	0.01		
2 COMBINED AT	C24	8.	12.05	1.	0.	0.	0.01		
ROUTED TO	C24	3.	12.20	1.	0.	0.	0.01	1870.89	12.25

DIVERSION TO	DIV24	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	C24	3.	12.20	1.	0.	0.	0.01		
ROUTED TO	C63B	1.	13.40	1.	0.	0.	0.01		
HYDROGRAPH AT	C24	0.	0.05	0.	0.	0.	0.01		
ROUTED TO	C25	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	25	51.	12.15	7.	2.	2.	0.05		
2 COMBINED AT	C25	51.	12.15	7.	2.	2.	0.05		
ROUTED TO	C25	41.	12.25	7.	2.	2.	0.05	1862.60	12.30
DIVERSION TO	DIV25	9.	12.25	0.	0.	0.	0.05		
HYDROGRAPH AT	C25	32.	12.25	6.	2.	2.	0.05		
ROUTED TO	C63B	10.	13.35	6.	2.	2.	0.05		
4 COMBINED AT	C63B	144.	13.55	63.	19.	14.	0.32		
HYDROGRAPH AT	26B	4685.	12.25	882.	275.	206.	12.72		
ROUTED TO	C26A	3254.	12.60	880.	275.	206.	12.72		
HYDROGRAPH AT	26A	812.	12.20	125.	38.	29.	2.26		
2 COMBINED AT	C26A	3550.	12.55	997.	311.	233.	14.98		
ROUTED TO	C26	2629.	13.15	993.	311.	233.	14.98		
HYDROGRAPH AT	C25	9.	12.25	0.	0.	0.	0.05		
ROUTED TO	C26	8.	12.35	0.	0.	0.	0.05		
HYDROGRAPH AT	26	363.	13.05	149.	50.	37.	1.12		
3 COMBINED AT	C26	2970.	13.15	1135.	359.	269.	16.10		
ROUTED TO	C26	2970.	13.15	1135.	359.	269.	16.10	1856.34	13.15
ROUTED TO	C63B	2599.	13.65	1131.	359.	269.	16.10		
HYDROGRAPH AT	27	53.	12.20	8.	2.	2.	0.06		
ROUTED TO	C27	51.	12.25	8.	2.	2.	0.06	1849.12	12.30
DIVERSION TO	DIV27	23.	12.25	1.	0.	0.	0.06		
HYDROGRAPH AT	C27	28.	12.25	7.	2.	2.	0.06		
ROUTED TO	C63B	12.	13.40	7.	2.	2.	0.06		
HYDROGRAPH AT	63B	971.	12.50	265.	83.	63.	1.44		
4 COMBINED AT	C63B	3035.	13.60	1439.	459.	345.	17.92		
ROUTED TO	C63C	2928.	13.90	1434.	459.	345.	17.92		
HYDROGRAPH AT	C27	23.	12.25	1.	0.	0.	0.06		
ROUTED TO	C28	12.	12.40	1.	0.	0.	0.06		

717 ac.

HYDROGRAPH AT	28	176.	12.35	35.	11.	8.	0.24		
2 COMBINED AT	C28	188.	12.35	36.	11.	8.	0.24		
ROUTED TO	C28	168.	12.45	36.	11.	8.	0.24	1825.64	12.50
DIVERSION TO	DIV28	99.	12.45	8.	2.	1.	0.24		
HYDROGRAPH AT	C28	70.	12.45	28.	9.	7.	0.24		
ROUTED TO	C63C	26.	14.80	21.	9.	7.	0.24		
HYDROGRAPH AT	C28	99.	12.45	8.	2.	1.	0.24		
ROUTED TO	C29	97.	12.50	8.	2.	1.	0.24		
HYDROGRAPH AT	29	20.	12.05	2.	1.	0.	0.01		
2 COMBINED AT	C29	102.	12.50	10.	3.	2.	0.01		
ROUTED TO	C29	98.	12.55	10.	3.	2.	0.01	1823.16	12.65
DIVERSION TO	DIV29	67.	12.55	4.	1.	1.	0.01		
HYDROGRAPH AT	C29	31.	12.55	6.	2.	1.	0.01		
ROUTED TO	C63C	7.	14.20	5.	2.	1.	0.01		
HYDROGRAPH AT	C29	67.	12.55	4.	1.	1.	0.01		
ROUTED TO	C30	67.	12.60	4.	1.	1.	0.01		
HYDROGRAPH AT	30	20.	12.05	2.	1.	0.	0.01		
2 COMBINED AT	C30	69.	12.60	6.	2.	1.	0.01		
ROUTED TO	C30	50.	12.75	6.	2.	1.	0.01	1824.39	12.80
DIVERSION TO	DIV30	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	C30	50.	12.75	6.	2.	1.	0.01		
ROUTED TO	C63C	9.	13.45	5.	2.	1.	0.01		
HYDROGRAPH AT	C30	0.	0.05	0.	0.	0.	0.01		
ROUTED TO	C31	0.	0.05	0.	0.	0.	0.01		
HYDROGRAPH AT	31	288.	12.85	99.	32.	24.	0.63		
2 COMBINED AT	C31	288.	12.85	99.	32.	24.	0.63		
ROUTED TO	B C31	240.	13.20	99.	32.	24.	0.63	1809.70	13.35
DIVERSION TO	D DIV31	16.	13.20	1.	0.	0.	0.63		
HYDROGRAPH AT	D C31	224.	13.20	98.	32.	24.	0.63		
ROUTED TO	R C63C	122.	14.95	85.	32.	24.	0.63		
5 COMBINED AT	G C63C	3039.	13.95	1530.	500.	376.	18.81		
HYDROGRAPH AT	D C31	16.	13.20	1.	0.	0.	0.63		
ROUTED TO	R C32	13.	13.30	1.	0.	0.	0.63		

404 ac

HYDROGRAPH AT	S 32	66.	12.15	10.	3.	2.	0.05		
2 COMBINED AT	C C32	66.	12.15	10.	3.	2.	0.05		
ROUTED TO	B C32	46.	12.35	10.	3.	2.	0.05	1800.82	12.35
DIVERSION TO	D DIV32	4.	12.35	0.	0.	0.	0.05		
HYDROGRAPH AT	D C32	42.	12.35	10.	3.	2.	0.05		
ROUTED TO	R C63C	12.	14.10	8.	3.	2.	0.05		
HYDROGRAPH AT	D C32	4.	12.35	0.	0.	0.	0.05		
ROUTED TO	R C33	3.	12.40	0.	0.	0.	0.05		
HYDROGRAPH AT	S 33	41.	12.05	4.	1.	1.	0.02		
2 COMBINED AT	C C33	41.	12.05	4.	1.	1.	0.02		
ROUTED TO	R C33	14.	12.20	4.	1.	1.	0.02	1789.66	12.25
DIVERSION TO	D DIV33	0.	0.05	0.	0.	0.	0.02		
HYDROGRAPH AT	D C33	14.	12.20	4.	1.	1.	0.02		
ROUTED TO	R C63C	4.	14.65	3.	1.	1.	0.02		
HYDROGRAPH AT	S 63C	1300.	12.45	337.	106.	79.	1.70		
4 COMBINED AT	C C63C	3322.	13.85	1846.	605.	454.	20.58		
ROUTED TO	R C63	2789.	14.90	1774.	604.	454.	20.58		
HYDROGRAPH AT	S 63A	1088.	13.15	427.	141.	106.	2.67		
ROUTED TO	R C63	775.	13.95	414.	140.	105.	2.67		
HYDROGRAPH AT	S 63	975.	13.25	436.	145.	109.	2.78		
3 COMBINED AT	C C63	3851.	14.45	2543.	872.	655.	26.03		
ROUTED TO	C63	3845.	14.55	2542.	872.	655.	26.03	1548.87	14.60
ROUTED TO	C83T	3130.	16.05	2345.	867.	651.	26.03		
HYDROGRAPH AT	84T	348.	14.75	218.	80.	60.	1.81		
2 COMBINED AT	C83T	3362.	15.90	2530.	941.	707.	27.84		
2 COMBINED AT	C83T	6965.	16.75	5349.	2280.	1713.	60.46		
ROUTED TO	C78T	6923.	17.05	5340.	2274.	1708.	60.46		
HYDROGRAPH AT	60D	1292.	12.60	376.	119.	89.	1.78		
ROUTED TO	C60B	712.	13.50	366.	119.	89.	1.78		
HYDROGRAPH AT	60B	1504.	13.15	670.	219.	165.	3.53		
2 COMBINED AT	C60B	2183.	13.25	1027.	338.	254.	5.31		
ROUTED TO	C60A	1932.	13.85	1014.	337.	253.	5.31		
HYDROGRAPH AT	60C	786.	12.65	221.	70.	53.	1.19		

ROUTED TO	C60A	347.	13.75	208.	70.	52.	1.19		
HYDROGRAPH AT	60A	1408.	12.80	519.	167.	125.	2.08		
3 COMBINED AT	C60A	3063.	13.55	1705.	573.	430.	9.38		
ROUTED TO	C60	2866.	14.10	1684.	572.	430.	9.38		
HYDROGRAPH AT	60	1378.	13.30	609.	200.	150.	3.29		
2 COMBINED AT	C60	3895.	13.80	2257.	765.	575.	12.67		
HYDROGRAPH AT	59	811.	13.40	374.	125.	94.	2.29		
ROUTED TO	C60	654.	14.15	364.	125.	94.	2.29		
2 COMBINED AT	C60	4467.	13.85	2593.	883.	663.	14.96		
HYDROGRAPH AT	61	757.	12.80	252.	80.	60.	1.27		
ROUTED TO	C60	611.	13.30	250.	80.	60.	1.27		
2 COMBINED AT	C60	4953.	13.80	2828.	958.	720.	16.23		
ROUTED TO	C60	3724.	14.95	2788.	952.	715.	16.23	1541.91	15.00
ROUTED TO	C89T	3678.	15.35	2761.	951.	714.	16.23		
HYDROGRAPH AT	88T	345.	12.65	92.	29.	22.	0.63		
2 COMBINED AT	C89T	3717.	15.30	2810.	978.	735.	16.86		
HYDROGRAPH AT	90T	824.	12.95	304.	100.	75.	2.23		
ROUTED TO	C89T	602.	13.65	296.	100.	75.	2.23		
HYDROGRAPH AT	89AT	1006.	12.45	256.	79.	59.	2.69		
ROUTED TO	C89T	526.	13.25	253.	79.	59.	2.69		
HYDROGRAPH AT	89T	1191.	13.05	439.	146.	110.	3.39		
4 COMBINED AT	C89T	4554.	14.80	3637.	1273.	956.	25.17		
ROUTED TO	C87T	4476.	15.40	3573.	1271.	955.	25.17		
HYDROGRAPH AT	87T	578.	13.25	237.	80.	60.	1.77		
2 COMBINED AT	C87T	4629.	15.30	3746.	1343.	1009.	26.94		
HYDROGRAPH AT	86AT	1543.	12.25	284.	88.	66.	2.77		
ROUTED TO	C87T	633.	13.00	282.	88.	66.	2.77		
HYDROGRAPH AT	86T	820.	13.65	385.	133.	100.	3.10		
HYDROGRAPH AT	85T	1626.	12.55	451.	140.	105.	4.75		
4 COMBINED AT	C87T	5548.	14.20	4530.	1665.	1250.	37.56		
ROUTED TO	C81T	5514.	14.60	4513.	1663.	1249.	37.56		
HYDROGRAPH AT	81T	668.	12.70	202.	65.	49.	1.40		
2 COMBINED AT	C81T	5649.	14.50	4642.	1722.	1293.	38.96		

HYDROGRAPH AT	80T	938.	12.30	187.	58.	44.	1.83
HYDROGRAPH AT	82T	409.	13.80	215.	74.	56.	1.59
3 COMBINED AT	C81T	6036.	14.35	4907.	1839.	1382.	42.38
ROUTED TO	C78T	6008.	14.60	4896.	1838.	1381.	42.38
2 COMBINED AT	C78T	11452.	16.75	9402.	3993.	2999.	102.84
HYDROGRAPH AT	78T	399.	12.95	136.	45.	34.	1.10
2 COMBINED AT	C78T	11499.	16.75	9465.	4032.	3029.	103.94
ROUTED TO	C76T	11220.	17.40	9344.	4009.	3011.	103.94
HYDROGRAPH AT	79T	663.	13.65	331.	115.	87.	2.80
ROUTED TO	C76T	496.	14.70	315.	115.	86.	2.80
2 COMBINED AT	C76T	11427.	17.35	9574.	4106.	3085.	106.74
HYDROGRAPH AT	77T	1054.	12.25	184.	56.	42.	2.15
ROUTED TO	C76T	467.	12.85	183.	56.	42.	2.15
2 COMBINED AT	C76T	11470.	17.35	9631.	4154.	3120.	108.89
HYDROGRAPH AT	76T	885.	14.00	470.	168.	126.	4.11
2 COMBINED AT	C76T	11688.	17.30	9916.	4297.	3228.	113.00
HYDROGRAPH AT	66	345.	12.40	72.	23.	17.	0.54
ROUTED TO	C67	275.	12.65	72.	23.	17.	0.54
HYDROGRAPH AT	67	2323.	12.60	675.	210.	158.	6.20
2 COMBINED AT	C67	2594.	12.60	744.	233.	175.	6.74
ROUTED TO	C68	2489.	12.75	744.	233.	175.	6.74
HYDROGRAPH AT	68	707.	12.40	165.	51.	38.	1.67
2 COMBINED AT	C68	2977.	12.70	908.	284.	213.	8.41
ROUTED TO	C69	2380.	13.15	905.	284.	213.	8.41
HYDROGRAPH AT	69	424.	12.40	94.	30.	22.	0.71
2 COMBINED AT	C69	2528.	13.10	998.	314.	236.	9.12
ROUTED TO	C70	2429.	13.40	996.	314.	236.	9.12
HYDROGRAPH AT	70A	2720.	12.45	662.	206.	155.	5.87
ROUTED TO	C70	1909.	12.85	659.	206.	155.	5.87
HYDROGRAPH AT	70	529.	12.55	155.	50.	37.	1.03
3 COMBINED AT	C70	4296.	13.15	1773.	559.	420.	16.02
ROUTED TO	C71	3344.	14.00	1747.	558.	420.	16.02
HYDROGRAPH AT	71	418.	12.50	105.	34.	25.	0.83

2 COMBINED AT	C71	3428.	14.00	1827.	590.	443.	16.85	
ROUTED TO	C72	3372.	14.25	1824.	590.	443.	16.85	
HYDROGRAPH AT	72	871.	12.35	186.	57.	43.	2.10	
2 COMBINED AT	C72	3459.	14.25	1959.	643.	483.	18.95	
ROUTED TO	C73	2729.	15.45	1852.	642.	482.	18.95	
HYDROGRAPH AT	73	1714.	12.35	368.	113.	85.	4.32	
2 COMBINED AT	C73	2830.	15.45	2012.	746.	560.	23.27	
ROUTED TO	C74	2566.	16.50	1941.	745.	559.	23.27	
HYDROGRAPH AT	75	798.	12.30	160.	50.	37.	1.51	
ROUTED TO	C74	455.	12.80	159.	50.	37.	1.51	
HYDROGRAPH AT	74	477.	12.95	157.	52.	39.	1.26	
3 COMBINED AT	C74	2669.	16.45	2108.	838.	630.	26.04	
ROUTED TO	C76T	2650.	16.75	2099.	838.	629.	26.04	
2 COMBINED AT	C76T	14002.	17.20	11762.	5046.	3791.	139.04	
ROUTED TO	C91	13959.	17.45	11745.	5036.	3783.	139.04	
HYDROGRAPH AT	C33	0.	0.05	0.	0.	0.	0.02	
ROUTED TO	C34	0.	0.05	0.	0.	0.	0.02	
HYDROGRAPH AT	34	242.	12.50	63.	20.	15.	0.34	
2 COMBINED AT	C34	242.	12.50	63.	20.	15.	0.34	
ROUTED TO	C34	124.	13.15	63.	20.	15.	0.34	1785.44	13.20
DIVERSION TO	DIV34	35.	13.15	5.	1.	1.	0.34	
HYDROGRAPH AT	C34	89.	13.15	57.	18.	14.	0.34	
ROUTED TO	C64A	62.	16.25	48.	18.	14.	0.34	
HYDROGRAPH AT	C34	35.	13.15	5.	1.	1.	0.34	
ROUTED TO	C35	33.	13.35	5.	1.	1.	0.34	
HYDROGRAPH AT	35	236.	12.55	63.	20.	15.	0.34	
2 COMBINED AT	C35	236.	12.55	69.	21.	16.	0.34	
ROUTED TO	C35	160.	13.10	69.	21.	16.	0.34	1765.18	13.20
DIVERSION TO	DIV35	49.	13.10	7.	2.	1.	0.34	
HYDROGRAPH AT	C35	112.	13.10	62.	20.	15.	0.34	
ROUTED TO	C64A	80.	15.50	56.	20.	15.	0.34	
HYDROGRAPH AT	64A	902.	12.90	334.	108.	81.	1.99	
3 COMBINED AT	C64A	926.	12.95	426.	146.	109.	2.67	

HYDROGRAPH AT	C106	0.	0.05	0.	0.	0.	0.06	
ROUTED TO	C107	0.	0.05	0.	0.	0.	0.06	
HYDROGRAPH AT	107	132.	12.00	40.	13.	10.	0.32	
3 COMBINED AT	C107	354.	16.30	340.	204.	153.	0.32	
ROUTED TO	C107	354.	16.35	340.	204.	153.	0.32	1487.55	16.30
DIVERSION TO	DIV107	0.	0.05	0.	0.	0.	0.32	
HYDROGRAPH AT	C107	354.	16.35	340.	204.	153.	0.32	
ROUTED TO	C102A	350.	17.50	337.	201.	151.	0.32	
2 COMBINED AT	C102A	634.	18.05	610.	352.	265.	48.15	
HYDROGRAPH AT	C107	0.	0.05	0.	0.	0.	0.32	
ROUTED TO	C108	0.	0.05	0.	0.	0.	0.32	
HYDROGRAPH AT	108	321.	12.60	85.	28.	21.	0.67	
2 COMBINED AT	C108	321.	12.60	85.	28.	21.	0.67	
ROUTED TO	C108	319.	12.65	85.	28.	21.	0.67	1468.92	12.70
DIVERSION TO	DIV108	0.	0.05	0.	0.	0.	0.67	
HYDROGRAPH AT	C108	319.	12.65	85.	28.	21.	0.67	
ROUTED TO	C102A	207.	13.20	84.	28.	21.	0.67	
2 COMBINED AT	C102A	662.	17.80	637.	377.	284.	48.82	
HYDROGRAPH AT	C108	0.	0.05	0.	0.	0.	0.67	
ROUTED TO	C109	0.	0.05	0.	0.	0.	0.67	
HYDROGRAPH AT	109	93.	12.20	16.	5.	4.	0.12	
2 COMBINED AT	C109	93.	12.20	16.	5.	4.	0.12	
ROUTED TO	C109	87.	12.30	16.	5.	4.	0.12	1360.36	12.35
DIVERSION TO	DIV109	8.	12.30	0.	0.	0.	0.12	
HYDROGRAPH AT	C109	79.	12.30	15.	5.	4.	0.12	
ROUTED TO	C102A	39.	12.85	15.	5.	4.	0.12	
3 COMBINED AT	C102A	6228.	15.95	4509.	1814.	1362.	84.43	
ROUTED TO	C102	6003.	16.45	4480.	1807.	1358.	84.43	
HYDROGRAPH AT	102	344.	12.80	113.	37.	27.	0.72	
2 COMBINED AT	C102	6041.	16.40	4520.	1840.	1382.	85.15	
HYDROGRAPH AT	98A	426.	13.15	164.	55.	41.	1.33	
ROUTED TO	C102	259.	14.20	155.	55.	41.	1.33	
HYDROGRAPH AT	98	276.	13.25	122.	42.	31.	1.01	

2 COMBINED AT	C102	463.	13.75	270.	96.	72.	2.34		
2 COMBINED AT	C102	6219.	16.40	4693.	1924.	1445.	87.49		
ROUTED TO	C97	6024.	17.05	4656.	1915.	1439.	87.49		
HYDROGRAPH AT	97A	223.	13.40	98.	34.	25.	0.81		
ROUTED TO	C97	122.	14.90	87.	33.	25.	0.81		
2 COMBINED AT	C97	6097.	17.05	4723.	1944.	1460.	88.30		
HYDROGRAPH AT	100	449.	12.80	143.	45.	34.	0.74		
ROUTED TO	C97	399.	13.15	142.	45.	34.	0.74		
2 COMBINED AT	C97	6140.	17.05	4770.	1985.	1491.	89.04		
HYDROGRAPH AT	97	481.	13.75	233.	81.	61.	1.97		
2 COMBINED AT	C97	6243.	17.05	4888.	2056.	1544.	91.01		
HYDROGRAPH AT	C44	330.	16.15	316.	182.	137.	47.77		
ROUTED TO	C110	319.	18.15	307.	178.	134.	47.77		
HYDROGRAPH AT	110	724.	12.95	256.	85.	64.	2.06		
2 COMBINED AT	C110	751.	12.95	475.	275.	207.	2.06		
HYDROGRAPH AT	C45	340.	16.15	328.	194.	146.	47.77		
ROUTED TO	C110	330.	18.20	320.	189.	142.	47.77		
2 COMBINED AT	C110	784.	13.00	738.	476.	357.	2.06		
HYDROGRAPH AT	C109	8.	12.30	0.	0.	0.	0.12		
ROUTED TO	C110	3.	12.65	0.	0.	0.	0.12		
2 COMBINED AT	C110	786.	13.00	738.	476.	357.	2.06		
ROUTED TO	C110	785.	13.00	738.	476.	357.	2.06	1420.08	17.55
DIVERSION TO	DIV110	0.	0.05	0.	0.	0.	2.06		
HYDROGRAPH AT	C110	785.	13.00	738.	476.	357.	2.06		
ROUTED TO	C101	760.	18.55	735.	467.	351.	2.06		
HYDROGRAPH AT	101	944.	12.75	272.	87.	65.	1.65		
2 COMBINED AT	C101	1134.	12.90	969.	554.	416.	3.71		
HYDROGRAPH AT	C110	0.	0.05	0.	0.	0.	2.06		
ROUTED TO	C111	0.	0.05	0.	0.	0.	2.06		
HYDROGRAPH AT	111	168.	12.60	45.	14.	11.	0.35		
2 COMBINED AT	C111	168.	12.60	45.	14.	11.	0.35		
ROUTED TO	C111	167.	12.65	45.	14.	11.	0.35	1410.44	12.70
DIVERSION TO	DIV111	144.	12.65	37.	11.	9.	0.35		

HYDROGRAPH AT	C111	23.	12.65	7.	3.	2.	0.35		
ROUTED TO	C101	10.	13.75	7.	3.	2.	0.35		
2 COMBINED AT	C101	1139.	12.90	875.	557.	418.	4.06		
HYDROGRAPH AT	C111	144.	12.65	37.	11.	9.	0.35		
ROUTED TO	C112	96.	13.15	37.	11.	9.	0.35		
HYDROGRAPH AT	112	550.	12.70	169.	55.	41.	1.34		
2 COMBINED AT	C112	614.	12.75	205.	66.	50.	1.34		
ROUTED TO	C112	613.	12.75	205.	66.	50.	1.34	1378.53	12.85
DIVERSION TO	DIV112	0.	0.05	0.	0.	0.	1.34		
HYDROGRAPH AT	C112	613.	12.75	205.	66.	50.	1.34		
ROUTED TO	C101	527.	13.15	203.	66.	50.	1.34		
2 COMBINED AT	C101	1638.	13.05	1076.	623.	468.	5.40		
HYDROGRAPH AT	C112	0.	0.05	0.	0.	0.	1.34		
ROUTED TO	C113	0.	0.05	0.	0.	0.	1.34		
HYDROGRAPH AT	113	162.	13.25	72.	24.	18.	0.59		
2 COMBINED AT	C113	162.	13.25	72.	24.	18.	0.59		
ROUTED TO	C113	162.	13.25	72.	24.	18.	0.59	1370.07	13.40
DIVERSION TO	DIV113	0.	0.05	0.	0.	0.	0.59		
HYDROGRAPH AT	C113	162.	13.25	72.	24.	18.	0.59		
ROUTED TO	C101	154.	13.60	72.	24.	18.	0.59		
2 COMBINED AT	C101	1757.	13.10	1147.	647.	486.	5.99		
HYDROGRAPH AT	C113	0.	0.05	0.	0.	0.	0.59		
ROUTED TO	C114	0.	0.05	0.	0.	0.	0.59		
HYDROGRAPH AT	114	59.	12.25	11.	3.	3.	0.08		
2 COMBINED AT	C114	59.	12.25	11.	3.	3.	0.08		
ROUTED TO	C114	52.	12.35	11.	3.	3.	0.08	1365.72	12.40
DIVERSION TO	DIV114	32.	12.35	3.	1.	1.	0.08		
HYDROGRAPH AT	C114	20.	12.35	8.	3.	2.	0.08		
ROUTED TO	C101	17.	12.80	8.	3.	2.	0.08		
2 COMBINED AT	C101	1773.	13.10	1154.	649.	488.	6.07		
ROUTED TO	C97	1614.	13.65	1135.	644.	484.	6.07		
2 COMBINED AT	C97	7109.	17.00	5794.	2636.	1980.	97.08		
HYDROGRAPH AT	99	181.	12.60	46.	15.	11.	0.29		

3 COMBINED AT	C97	20431.	18.35	17911.	8305.	6238.	258.85		
ROUTED TO	C97	2998.	31.00	2934.	1492.	1121.	258.85	1349.92	31.00
DIVERSION TO	DIV97	0.	0.05	0.	0.	0.	258.85		
HYDROGRAPH AT	C97	2998.	31.00	2934.	1492.	1121.	258.85		
ROUTED TO	C119	2917.	31.95	2675.	1148.	862.	258.85		
HYDROGRAPH AT	C114	32.	12.35	3.	1.	1.	0.08		
ROUTED TO	C115	22.	12.65	3.	1.	1.	0.08		
HYDROGRAPH AT	115	58.	12.20	8.	3.	2.	0.05		
2 COMBINED AT	C115	59.	12.20	11.	3.	2.	0.05		
ROUTED TO	C115	52.	12.30	11.	3.	2.	0.05	1355.24	12.30
DIVERSION TO	DIV115	35.	12.30	5.	1.	1.	0.05		
HYDROGRAPH AT	C115	17.	12.30	7.	2.	2.	0.05		
ROUTED TO	C103	13.	13.65	6.	2.	2.	0.05		
HYDROGRAPH AT	C97	0.	0.05	0.	0.	0.	258.85		
ROUTED TO	C103	0.	0.05	0.	0.	0.	258.85		
2 COMBINED AT	C103	13.	13.65	6.	2.	2.	0.05		
HYDROGRAPH AT	103	270.	12.45	54.	17.	13.	0.32		
2 COMBINED AT	C103	276.	12.45	60.	19.	14.	0.37		
ROUTED TO	C119	54.	14.65	45.	19.	14.	0.37		
HYDROGRAPH AT	C115	35.	12.30	5.	1.	1.	0.05		
ROUTED TO	C116	21.	12.95	5.	1.	1.	0.05		
HYDROGRAPH AT	116	688.	12.55	173.	55.	41.	1.00		
2 COMBINED AT	C116	703.	12.55	177.	56.	42.	1.00		
ROUTED TO	C116	697.	12.60	174.	56.	42.	1.00	1342.04	12.65
ROUTED TO	C119	443.	13.20	172.	56.	42.	1.00		
3 COMBINED AT	C119	2920.	31.95	2689.	1212.	910.	260.22		
HYDROGRAPH AT	118	683.	12.85	219.	71.	53.	1.39		
ROUTED TO	C119	266.	14.35	190.	70.	52.	1.39		
2 COMBINED AT	C119	2926.	31.95	2707.	1272.	956.	261.61		
HYDROGRAPH AT	C46	346.	16.15	331.	194.	145.	47.77		
ROUTED TO	C117A	322.	19.45	311.	184.	138.	47.77		
HYDROGRAPH AT	117A	483.	13.95	250.	87.	65.	1.72		
2 COMBINED AT	C117A	584.	14.15	474.	283.	212.	1.72		

HYDROGRAPH AT	C47	350.	16.15	338.	202.	152.	47.77
ROUTED TO	C117D	341.	18.05	330.	197.	148.	47.77
HYDROGRAPH AT	117D	236.	12.90	86.	28.	21.	0.55
2 COMBINED AT	C117D	382.	17.65	369.	237.	178.	0.55
ROUTED TO	C117A	380.	18.55	368.	233.	175.	0.55
2 COMBINED AT	C117A	837.	14.30	807.	515.	387.	2.27
HYDROGRAPH AT	C48	350.	16.15	338.	201.	151.	47.77
ROUTED TO	C117F	348.	17.00	336.	199.	149.	47.77
HYDROGRAPH AT	117F	234.	12.55	58.	18.	14.	0.36
2 COMBINED AT	C117F	381.	16.75	367.	230.	173.	0.36
HYDROGRAPH AT	C49	357.	16.15	345.	207.	155.	47.77
ROUTED TO	C117G	354.	17.10	343.	205.	154.	47.77
HYDROGRAPH AT	117G	158.	12.65	43.	14.	10.	0.27
2 COMBINED AT	C117G	382.	16.90	369.	231.	174.	0.27
2 COMBINED AT	C117F	762.	16.85	736.	461.	346.	0.63
ROUTED TO	C117E	760.	17.45	734.	456.	342.	0.63
HYDROGRAPH AT	117E	221.	12.75	64.	20.	15.	0.40
2 COMBINED AT	C117E	779.	17.35	752.	476.	357.	1.03
ROUTED TO	C117B	776.	18.10	749.	469.	352.	1.03
HYDROGRAPH AT	117B	183.	12.80	58.	19.	14.	0.37
2 COMBINED AT	C117B	793.	18.00	765.	487.	366.	1.40
2 COMBINED AT	C117A	1602.	17.90	1556.	1002.	753.	3.67
HYDROGRAPH AT	C50A	337.	16.15	325.	192.	144.	47.77
ROUTED TO	C117C	321.	19.05	312.	185.	139.	47.77
HYDROGRAPH AT	117C	545.	13.25	224.	75.	56.	1.47
2 COMBINED AT	C117C	581.	13.40	437.	271.	203.	1.47
2 COMBINED AT	C117A	2006.	17.85	1951.	1272.	955.	5.14
ROUTED TO	C117	2003.	18.30	1950.	1261.	947.	5.14
HYDROGRAPH AT	117	511.	12.70	149.	48.	36.	0.94
2 COMBINED AT	C117	2044.	18.15	1993.	1308.	982.	6.08
ROUTED TO	C120	2044.	18.30	1993.	1303.	979.	6.08
HYDROGRAPH AT	51	218.	12.55	61.	20.	15.	0.48
HYDROGRAPH AT	52A	1982.	12.15	303.	94.	71.	4.32

ROUTED TO	C52	664.	12.85	301.	94.	71.	4.32		
HYDROGRAPH AT	52B	2308.	12.15	334.	104.	78.	4.92		
ROUTED TO	C52C	2189.	12.20	334.	104.	78.	4.92		
HYDROGRAPH AT	52C	2108.	12.25	391.	122.	91.	5.77		
2 COMBINED AT	C52C	4291.	12.25	723.	225.	169.	10.69		
ROUTED TO	C52C	2339.	12.65	719.	225.	169.	10.69		
HYDROGRAPH AT	52	1901.	13.40	942.	320.	240.	5.93		
3 COMBINED AT	C52	4261.	12.90	1897.	621.	466.	20.94		
HYDROGRAPH AT	53	1200.	12.55	334.	104.	78.	1.64		
HYDROGRAPH AT	C50	0.	0.05	0.	0.	0.	47.77		
4 COMBINED AT	C53	5389.	12.70	2259.	737.	554.	23.06		
ROUTED TO	C53	2200.	14.60	1833.	725.	545.	23.06	1545.90	14.65
DIVERSION TO	DIV51	191.	14.60	147.	51.	39.	23.06		
HYDROGRAPH AT	C51	2008.	14.60	1687.	673.	506.	23.06		
DIVERSION TO	DI52P1	988.	14.60	824.	327.	245.	23.06		
HYDROGRAPH AT	C52P1	1020.	14.60	863.	347.	261.	23.06		
DIVERSION TO	DI52P2	252.	14.60	211.	85.	64.	23.06		
HYDROGRAPH AT	C52P2	768.	14.60	652.	262.	197.	23.06		
DIVERSION TO	DIV53	768.	14.60	652.	262.	197.	23.06		
HYDROGRAPH AT	C53	0.	0.05	0.	0.	0.	23.06		
HYDROGRAPH AT	C51	191.	14.60	147.	51.	39.	23.06		
ROUTED TO	C120	153.	16.85	130.	51.	38.	23.06		
2 COMBINED AT	C120	153.	16.85	130.	51.	38.	23.06		
HYDROGRAPH AT	120	982.	12.90	359.	116.	87.	2.22		
3 COMBINED AT	C120	2227.	17.65	2199.	1408.	1057.	31.36		
ROUTED TO	C120	2227.	17.75	2198.	1407.	1057.	31.36	1337.36	17.80
ROUTED TO	C119	2227.	17.90	2198.	1402.	1053.	31.36		
2 COMBINED AT	C119	3806.	26.30	3743.	2556.	1920.	292.97		
HYDROGRAPH AT	119	192.	14.35	130.	47.	35.	0.96		
2 COMBINED AT	C119	3823.	26.25	3757.	2596.	1950.	293.93		
ROUTED TO	C121	3819.	26.75	3755.	2527.	1898.	293.93		
HYDROGRAPH AT	C52P1	988.	14.60	824.	327.	245.	23.06		
ROUTED TO	C124A	966.	15.30	811.	326.	245.	23.06		

HYDROGRAPH AT	124A	645.	12.60	174.	56.	42.	1.31		
2 COMBINED AT	C124A	1094.	15.05	940.	394.	296.	1.31		
ROUTED TO	C124	1091.	15.35	938.	394.	296.	1.31		
HYDROGRAPH AT	C52P2	252.	14.60	211.	85.	64.	23.06		
ROUTED TO	C124B	236.	15.90	203.	84.	63.	23.06		
HYDROGRAPH AT	124B	379.	12.65	114.	37.	28.	0.90		
2 COMBINED AT	C124B	397.	12.70	290.	124.	93.	0.90		
ROUTED TO	C124	390.	12.80	290.	124.	93.	0.90		
HYDROGRAPH AT	124	440.	12.60	119.	38.	29.	0.86		
3 COMBINED AT	C124	1448.	15.25	1315.	555.	417.	3.07		
ROUTED TO	C124	1409.	15.95	1223.	547.	411.	3.07	1413.07	16.20
ROUTED TO	C123	1388.	16.60	1214.	544.	409.	3.07		
HYDROGRAPH AT	C53	768.	14.60	652.	262.	197.	23.06		
ROUTED TO	C123B	763.	15.00	649.	262.	197.	23.06		
HYDROGRAPH AT	C123B	208.	12.25	39.	12.	9.	0.25		
2 COMBINED AT	C123B	808.	14.90	687.	284.	213.	0.25		
HYDROGRAPH AT	54	963.	12.25	169.	52.	39.	0.85		
ROUTED TO	C54	372.	12.75	167.	52.	39.	0.85	1526.47	12.75
ROUTED TO	C123C	346.	13.30	167.	52.	39.	0.85		
HYDROGRAPH AT	123C	261.	12.20	44.	14.	10.	0.25		
2 COMBINED AT	C123C	397.	13.10	211.	66.	49.	1.10		
2 COMBINED AT	C123B	1079.	14.25	854.	349.	262.	1.35		
ROUTED TO	C123A	1032.	14.85	841.	348.	261.	1.35		
HYDROGRAPH AT	123A	491.	12.65	142.	46.	34.	0.94		
2 COMBINED AT	C123A	1122.	14.70	944.	393.	295.	2.29		
ROUTED TO	C123	1097.	15.30	926.	392.	295.	2.29		
HYDROGRAPH AT	123	1902.	12.85	667.	216.	163.	3.98		
2 COMBINED AT	C123	2436.	12.95	1527.	608.	457.	6.27		
2 COMBINED AT	C123	2718.	15.70	2516.	1150.	864.	9.34		
ROUTED TO	C123	2718.	15.80	2445.	1143.	858.	9.34	1342.13	15.95
ROUTED TO	C121	2714.	16.00	2437.	1141.	857.	9.34		
2 COMBINED AT	C121	5039.	16.85	4863.	3517.	2642.	303.27		
HYDROGRAPH AT	121	311.	12.60	87.	28.	21.	0.55		

2 COMBINED AT	C121	5064.	16.85	4889.	3541.	2660.	303.82		
ROUTED TO	C122	5041.	17.55	4850.	3431.	2577.	303.82		
HYDROGRAPH AT	122	632.	12.60	174.	56.	42.	1.10		
2 COMBINED AT	C122	5087.	17.50	4894.	3478.	2613.	304.92		
ROUTED TO	C132	5077.	17.95	4883.	3407.	2559.	304.92		
HYDROGRAPH AT	55	1652.	12.50	428.	133.	100.	3.27		
ROUTED TO	C55	1650.	12.50	428.	133.	100.	3.27	1519.13	12.50
ROUTED TO	C127A	1310.	12.85	427.	133.	100.	3.27		
HYDROGRAPH AT	127A	512.	12.45	117.	37.	28.	0.61		
2 COMBINED AT	C127A	1657.	12.75	544.	170.	128.	3.88		
HYDROGRAPH AT	56	801.	12.15	112.	35.	26.	0.48		
ROUTED TO	C56	375.	12.40	112.	35.	26.	0.48	1523.44	12.40
ROUTED TO	127B	335.	12.85	112.	35.	26.	0.48		
HYDROGRAPH AT	127B	351.	12.15	53.	16.	12.	0.25		
2 COMBINED AT	C127B	495.	12.20	165.	51.	39.	0.73		
2 COMBINED AT	C127A	2078.	12.75	708.	221.	166.	4.61		
ROUTED TO	C127	1790.	13.20	706.	221.	166.	4.61		
HYDROGRAPH AT	127	1747.	12.55	463.	147.	110.	2.44		
2 COMBINED AT	C127	2912.	12.80	1167.	368.	276.	7.05		
HYDROGRAPH AT	126	1014.	12.70	317.	98.	74.	1.67		
2 COMBINED AT	C127	3898.	12.70	1481.	466.	350.	8.72		
ROUTED TO	C125	3959.	12.85	1480.	466.	350.	8.72		
HYDROGRAPH AT	125	1303.	12.35	264.	83.	62.	1.47		
2 COMBINED AT	C125	4535.	12.75	1742.	547.	411.	10.19		
ROUTED TO	C125	4197.	13.00	1741.	547.	411.	10.19	1340.26	13.00
ROUTED TO	C132	3480.	13.60	1719.	547.	411.	10.19		
HYDROGRAPH AT	131	294.	12.90	93.	30.	23.	0.59		
ROUTED TO	C132	232.	13.35	92.	30.	23.	0.59		
3 COMBINED AT	C132	5834.	15.70	5569.	3909.	2936.	315.70		
HYDROGRAPH AT	132	536.	12.95	198.	65.	49.	1.23		
2 COMBINED AT	C132	5928.	15.65	5648.	3964.	2977.	316.93		
HYDROGRAPH AT	133	1058.	12.55	275.	87.	65.	1.20		
2 COMBINED AT	C132	6023.	15.55	5731.	4040.	3035.	318.13		

ROUTED TO	C134	6007.	15.90	5723.	3986.	2994.	318.13
HYDROGRAPH AT	128	662.	12.35	132.	41.	31.	0.82
ROUTED TO	C129	349.	12.90	130.	41.	31.	0.82
HYDROGRAPH AT	129	896.	12.75	262.	84.	63.	1.66
2 COMBINED AT	C129	1233.	12.80	390.	125.	94.	2.48
ROUTED TO	C130	914.	13.35	385.	125.	94.	2.48
HYDROGRAPH AT	130	932.	12.65	260.	84.	63.	1.61
2 COMBINED AT	C130	1495.	13.05	639.	209.	157.	4.09
ROUTED TO	C134	1338.	13.55	633.	209.	157.	4.09
2 COMBINED AT	C134	6461.	15.40	6097.	4164.	3128.	322.22
HYDROGRAPH AT	134	822.	12.35	169.	53.	40.	0.77
2 COMBINED AT	C134	6522.	15.35	6152.	4210.	3163.	322.99