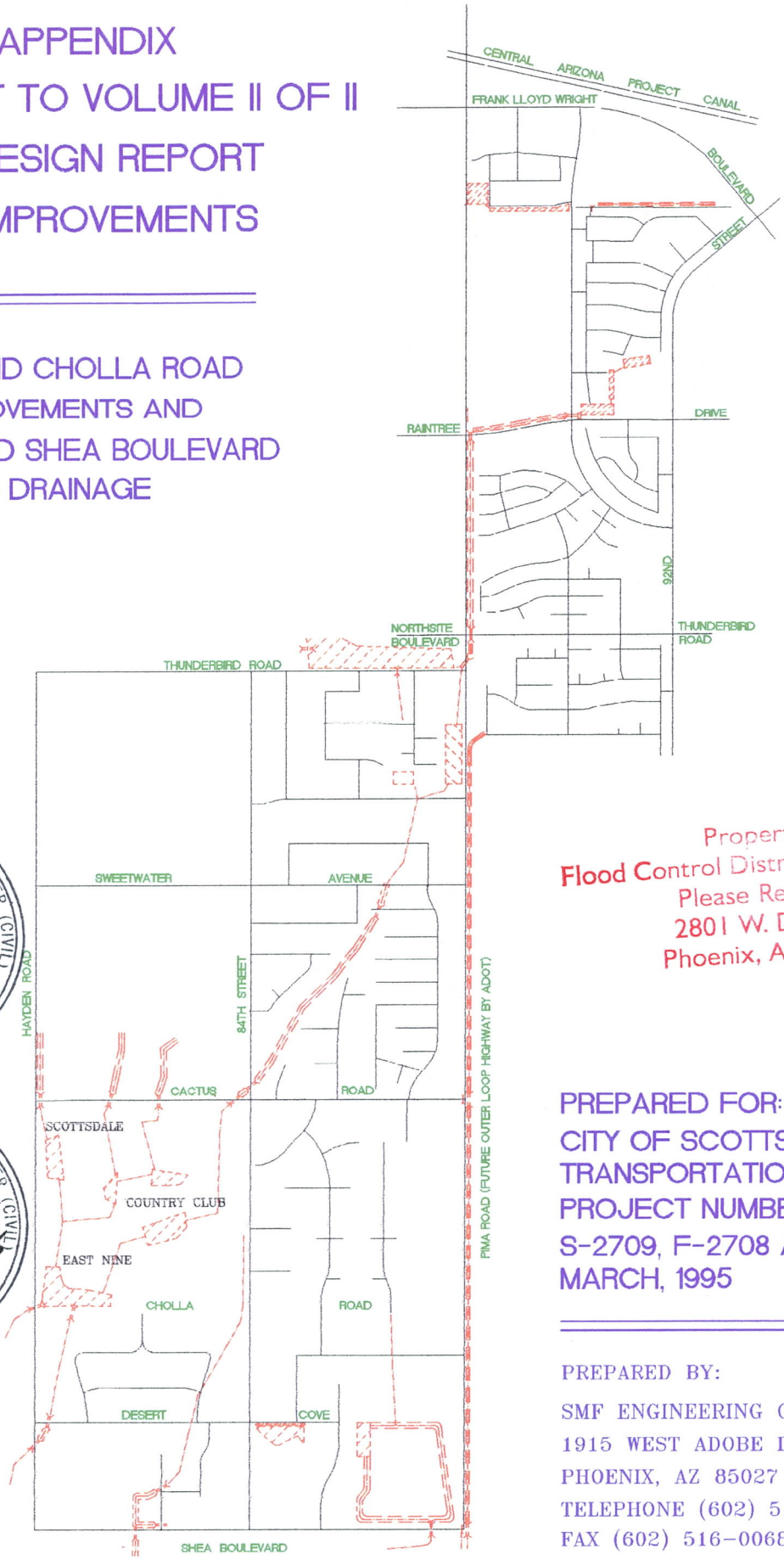
TECHNICAL APPENDIX
AMENDMENT TO VOLUME II OF II
CONCEPT DESIGN REPORT
DRAINAGE IMPROVEMENTS

84TH STREET AND CHOLLA ROAD ROADWAY IMPROVEMENTS AND 83RD PLACE AND SHEA BOULEVARD NEIGHBORHOOD DRAINAGE IMPROVEMENTS



REGISTERED PROFESSIONAL ENGINEER (CIVIL)
CERTIFICATE NO. 7561
CHARLES DEE SCOTT
Date Signed 3/22/95
ARIZONA, U.S.A.

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
CERTIFICATE NO. 19240
ROB MEYER
Date Signed 3/22/95
ARIZONA, U.S.A.

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PREPARED FOR:
CITY OF SCOTTSDALE
TRANSPORTATION DEPARTMENT
PROJECT NUMBERS
S-2709, F-2708 AND F-4702
MARCH, 1995

PREPARED BY:
SMF ENGINEERING CORPORATION
1915 WEST ADOBE DRIVE, SUITE D
PHOENIX, AZ 85027
TELEPHONE (602) 516-0605
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REGISTERED PROFESSIONAL ENGINEER (CIVIL)
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19240
ROB
MEYER
Date Signed
ARIZONA, U.S.A.

AVERY® READY INDEX™ INDEXING SYSTEM

```
*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*            SEPTEMBER 1990             *
*             VERSION 4.0               *
*                                       *
*  RUN DATE  10/20/1994  TIME  11:52:18 *
*                                       *
*****************************************
```

```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 756-1104              *
*                                       *
*****************************************
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X     X  XXXXXXX   XXXXX          X
X     X  X        X     X        XX
X     X  X        X              X
XXXXXXX  XXXX     X       XXXXX  X
X     X  X        X              X
X     X  X        X     X        X
X     X  XXXXXXX   XXXXX         XXX
```

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. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

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

  1           ID        84TH STREET AND CHOLLA ROAD
  2           ID        2-5-10-25-50-100 yr STORM
  3           ID        ULTIMATE CONDITION:
  4           ID        --BOX CULVERTS IN CACTUS/84TH INTERSECTION ARE not IMPROVED
  5           ID        --NEW STORM SEWER IN CACTUS (outfall at box-culvert)
  6           ID        --INTERCEPTOR AT CORTEZ IN 84TH STREET
  7           ID        --NO FLOW CROSSING PIMA ROAD AT TBIRD
  8           ID     ****************************************************
  9           ID        SCOTTSDALE COUNTRY CLUB LAKE 5
 10           ID     ****************************************************
 11           ID        FILE SCCULT.DAT
              *DIAGRAM
 12           IT       2                    300
 13           IO       5
 14           JR    PREC     .36     .53     .62     .76     .88     1.0

 15           KK     A30        SUBBASIN A30 RUNOFF
 16           PH                    0.88    1.61     2.6    2.84       3     3.3
 17           BA  0.4031
 18           LS       0      77      11
 19           UD    0.47

 20           KK    DA30        DETENTION BASIN AT CPA30
 21           KM                Outflow to A31 and A32 and A36
 22           RS       1    STOR       0
 23           SA       0    0.49    0.94    1.39    1.93
 24           SE   34.99   35.00   37.00   39.00   41.40
 25           SQ       0      40   137.4     268     361

 26           KK     A31        SPLIT FLOW AT DETENTION BASIN DA30
 27           KM                DI is Total Outflow from Detention Basin (A31+A32+A36)
 28           KM                DQ is Split to A32 and A36
 29           DT     A32
 30           DI       0      40   137.4     268     361
 31           DQ       0      40   124.4     242     326

 32           KK  ED1010        ROUTE CA31 TO ED1010
 33           RS     100    STOR      -1       0
 34           RC    .060    .040    .060     600   .0086
 35           RX       0     0.1      50      56      59      65     115   115.1
 36           RY     105     100      99      95      95      99     100     105

 37           KK    1010        SUBBASIN 1010 RUNOFF
 38           BA  .01192
 39           LS       0      77
 40           UD    0.08

 41           KK   C1010        COMBINE 1010 and CA31
 42           HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  43          KK  ED1010        EXISTING DETENTION BASIN 1010
  44          RS       1    STOR       0
  45          SA       0    0.41    0.93    1.19    1.45    1.71    2.23
  46          SE    24.7    25.7    26.7    27.2    27.7    28.2    29.2
  47          SQ       0       7      17      21      69     240    1082

  48          KK   C1020        ROUTE DETENTION BASIN OUTFALL TO C1020
  49          RS     100    STOR      -1       0
  50          RC    .050   0.040    .050     220   .0086
  51          RX       0     0.1      50      56      59      65     115   115.1
  52          RY     105     100      99      95      95      99     100     105

  53          KK    1020        SUBBASIN 1020 RUNOFF
  54          BA  .00202
  55          LS       0      77      10
  56          UD    0.06

  57          KK   C1020        COMBINE C1010 AND 1020
  58          HC       2

  59          KK     A32        RETRIEVE SPLIT FLOW AT A32 (A36 and A32)
  60          DR     A32

  61          KK     A32        SPLIT FLOW AT DETENTION BASIN DA30
  62          KM                DI is Split to A32 and A36
  63          KM                DQ is Split to A36 (Box Culvert)
  64          DT     A36
  65          DI       0      40   124.4     242     326
  66          DQ       0      40     110     190     250

  67          KK   C1030        ROUTE A32 TO C1030
  68          RS     100    STOR      -1       0
  69          RC    .060    .040    .060     600   .0080
  70          RX       0     0.1      50      56      59      65     115   115.1
  71          RY     105     100      99      95      95      99     100     105

  72          KK   C1030        ROUTE A32 TO C1030
  73          RK     230   .0036    .012            CIRC    3.53

  74          KK    1030        SUBBASIN 1030 RUNOFF
  75          BA  .00985
  76          LS       0      77
  77          UD     .13

  78          KK   C1030        COMBINE C1030 AND A32
  79          HC       2

  80          KK   C1040        ROUTE C1030 TO C1040
  81          RK     524  0.0040    .012       0    CIRC    3.53
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 82           KK    1040        SUBBASIN 1040 RUNOFF
 83           BA  .01949
 84           LS       0      77      25
 85           UD    0.12

 86           KK  ED1040        EXISTING DETENTION BASIN 1040
 87           RS       1    STOR      -1       0
 88           SA       0    0.52    .597    .713    0.79    0.79
 89           SE    24.0    24.5    25.5    27.0      28      29
 90           SQ       0     1.5       6      13      16      19

 91           KK   C1040        COMBINE C1030 AND 1040
 92           HC       2

 93           KK   C1050        ROUTE C1040 TO C1050
 94           RS     100    STOR      -1       0
 95           RC    .050   0.040    .050     250   .0086
 96           RX       0     0.1      50      56      59      65     115   115.1
 97           RY     105     100      99      95      95      99     100     105

 98           KK    1050        SUBBASIN 1050 RUNOFF
 99           BA  .00387
100           LS       0      77
101           UD    0.07

102           KK   C1050        COMBINE 1050 AND C1040
103           HC       2

104           KK   C1050        COMBINE C1050 AND C1020
105           HC       2

106           KK   C1070        ROUTE C1050 TO C1070
107           RS     100    STOR      -1       0
108           RC    .050   0.040    .050    1150   .0078
109           RX       0     0.1      50      56      60      66     116   116.1
110           RY     105     100      99      95      95      99     100     105

111           KK    1060        SUBBASIN 1060 RUNOFF
112           BA  .01174
113           LS       0      77
114           UD    0.20

115           KK   C1070        ROUTE 1060 TO C1070
116           RS     100    STOR      -1       0
117           RC    .040   0.016    .040     380   .0100
118           RX       0     0.1    21.5    21.6    60.5    60.6      72    72.1
119           RY     105     100      99   98.86   98.86      99     100     105

120           KK    1070        SUBBASIN 1070 RUNOFF
121           BA  .02864
122           LS       0      77      17
123           UD    0.14
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 124          KK   C1070        COMBINE C1050 AND 1060 AND 1070
 125          HC       3

 126          KK   C1080        ROUTE C1070 TO C1080
 127          RS     100    STOR      -1       0
 128          RC    .050   0.040    .050    3100   .0066
 129          RX       0     0.1      30      41      49      60      90    90.1
 130          RY     108     100      99      95      95      99     100     108

 131          KK    1080        SUBBASIN 1080 RUNOFF
 132          BA  .04840
 133          LS       0      77      24
 134          UD    0.16

 135          KK   C1080        COMBINE 1080 AND C1070
 136          HC       2

 137          KK    1090        SUBBASIN 1090 RUNOFF
 138          BA  .03370
 139          LS       0      77      20
 140          UD   0.138

 141          KK   C1100        ROUTE 1090 TO C1100
 142          RS     100    STOR      -1       0
 143          RC    .040   0.016    .040   .0074    2340
 144          RX       0     0.1      20    20.1      60    60.1      80    80.1
 145          RY     105     100      99   98.75   98.75      99     100     105

 146          KK    1100        SUBBASIN 1100 RUNOFF
 147          BA  .07053
 148          LS       0      77      18
 149          UD    0.37

 150          KK   C1100        COMBINE 1100 AND 1090
 151          HC       2

 152          KK   C1080        COMBINE C1100 AND C1080
 153          HC       2

 154          KK      40      SUBBASIN 40 RUNOFF
 155          BA  .03122
 156          LS              77      45
 157          UD     .42

 158          KK   SD110      ROUTE C40 TO SD110
 159          RK     190  0.0010   0.012            CIRC       3

 160          KK      50      SUBBASIN 50 RUNOFF
 161          BA  .00659
 162          LS              77      35
 163          UD     .14
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 164          KK     110      SUBBASIN 110 RUNOFF
 165          BA  .00047
 166          LS              98
 167          UD     .06

 168          KK    C110      COMBINE 110 AND 50
 169          HC       2

 170          KK     210      SUBBASIN 210 RUNOFF
 171          BA  .00114
 172          LS              98
 173          UD     .06

 174          KK   SD210      COMBINE SD110 AND C110 AND 210
 175          HC       3

 176          KK   SD220      ROUTE SD210 TO SD220
 177          RK     255  0.0010   0.012            CIRC       4

 178          KK      70      SUBBASIN 70 RUNOFF
 179          BA  .01106
 180          LS              77       35
 181          UD     .19

 182          KK     120      SUBBASIN 120 RUNOFF
 183          BA  .00042
 184          LS              98
 185          UD     .06

 186          KK    C120      COMBINE C120 AND 70
 187          HC       2

 188          KK   SD220      COMBINE SD210 AND SD220
 189          HC       2

 190          KK   SD230      ROUTE SD220 TO SD230
 191          RK     255  0.0010   0.012            CIRC       4

 192          KK      80      SUBBASIN 80 RUNOFF
 193          BA  .00189
 194          LS              77       30
 195          UD     .10

 196          KK     130      SUBBASIN 130 RUNOFF
 197          BA  .00034
 198          LS              98
 199          UD     .06

 200          KK    C130      COMBINE 80 AND 130
 201          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 202          KK     220      SUBBASIN 220 RUNOFF
 203          BA  .00103
 204          LS              98
 205          UD     .06

 206          KK    C230      ROUTE C220 TO 230
 207          RS     100    STOR      -1       0
 208          RC    .016    .016    .040     380   .0030     120
 209          RX       0       0    31.8    33.8    33.8    38.8      55      80
 210          RY  100.41   98.41   97.95   97.87   98.37   98.49    99.0    99.9

 211          KK     230      SUBBASIN 230 RUNOFF
 212          BA  .00083
 213          LS              98
 214          UD     .06

 215          KK    C230      COMBINE C220 AND 230
 216          HC       2

 217          KK   SD230      COMBINE SD220 AND C130 AND C230
 218          HC       3

 219          KK    SD90      ROUTE SD230 TO SD90
 220          RK     205  0.0010   0.012            CIRC       4

 221          KK      90      SUBBASIN 90 RUNOFF
 222          BA  .02922
 223          LS              77      24
 224          UD     .23

 225          KK    SD90      COMBINE SD230 AND 90
 226          HC       2

 227          KK   SD240      ROUTE SD90 TO SD240
 228          RK     125  0.0010   0.012            CIRC       4

 229          KK     140      SUBBASIN 140 RUNOFF
 230          BA  .00081
 231          LS              98
 232          UD     .06

 233          KK     240      SUBBASIN 240 RUNOFF
 234          BA  .00150
 235          LS              98
 236          UD     .06

 237          KK   SD240      COMBINE SD90 AND 140 AND 240
 238          HC       3
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 239          KK   SD250      ROUTE SD240 TO SD250
 240          RK     350  0.0010   0.012            CIRC       4

 241          KK     150      SUBBASIN 150 RUNOFF
 242          BA  .00192
 243          LS              98
 244          UD     .07

 245          KK     250      SUBBASIN 250 RUNOFF
 246          BA  .00134
 247          LS              98
 248          UD     .06

 249          KK   SD250      COMBINE SD240 AND 150 AND 250
 250          HC       3

 251          KK   SD260      ROUTE SD250 TO SD260
 252          RK     336  0.0010   0.012            CIRC       5

 253          KK     100      SUBBASIN 100 RUNOFF
 254          BA  .00666
 255          LS              77       24
 256          UD     .12

 257          KK     160      SUBBASIN 160 RUNOFF
 258          BA  .00058
 259          LS              98
 260          UD     .06

 261          KK    C160      COMBINE 100 AND 160
 262          HC       2

 263          KK     260      SUBBASIN 260 RUNOFF
 264          BA  .00114
 265          LS              98
 266          UD     .06

 267          KK   SD260      COMBINE SD250 AND C160 AND 260
 268          HC       3

 269          KK   SD270      ROUTE SD260 TO SD270
 270          RK     194  0.0010   0.012            CIRC       5

 271          KK     170      SUBBASIN 170 RUNOFF
 272          BA  .00047
 273          LS              77       35
 274          UD     .06

 275          KK     270      SUBBASIN 270 RUNOFF
 276          BA  .00095
 277          LS              98
 278          UD     .06
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 279          KK   SD270      COMBINE SD260 AND 170 AND 270
 280          HC       3

 281          KK   SD270      DIVERT EXCESS OF 50YR STORMDRAIN TO 84TH ST SOUTH
 282          DT   ST270
 283          DI       0     131     200
 284          DQ       0       0      69

 285          KK   SDBOX      ROUTE SD270 TO SDBOX
 286          RK     270  0.0010   0.012            CIRC       5

 287          KK   C1080      COMBINE C1080 AND SDBOX
 288          HC       2

 289          KK  C1110N        ROUTE C1080 TO C1110N
 290          RS     100    STOR      -1       0
 291          RC    .040   0.030    .040     900   .0092
 292          RX       0     0.1      20      40      80     100     120   120.1
 293          RY     105     100      99      93      93      99     100     105

 294          KK   1110N        SUBBASIN 1110N RUNOFF
 295          BA  .00396
 296          LS       0      69      18
 297          UD    0.06

 298          KK  C1100N        COMBINE C1110N AND C1080
 299          HC       2

 300          KK   ST270      RETRIEVE ST270 (street flow in 84th street)
 301          DR   ST270

 302          KK   ST280      ROUTE ST270 TO ST280
 303          RS     100    STOR      -1       0
 304          RC    .040    .016    .040     400   .0077
 305          RX       0      24    24.1      40    40.1      56    56.1      80
 306          RY     101   98.93   98.61   98.97   98.97   98.62   98.92     101

 307          KK   SD280      DIVERT EXCESS OF DEPRESSED CURB ON WEST SIDE 84TH ST SOUTH (all)
 308          DT   ST280
 309          DI       0      50
 310          DQ       0      50

 311          KK  C1110N      COMBINE C1110N AND ST280 (flow in channel and gutter 84th St)
 312          HC       2

 313          KK  C1110S      ROUTE C1110N TO C1110S
 314          RS     100    STOR      -1       0
 315          RC    .040   0.030    .040    1050   .0092
 316          RX       0     0.1      20      40      80     100     120   120.1
 317          RY     105     100      99      93      93      99     100     105
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 318          KK   ST280      RETRIEVE ST280 (street flow in 84th street)
 319          DR   ST280

 320          KK    C370      ROUTE ST280 TO 370
 321          RS     100    STOR      -1       0
 322          RC    .040    .016    .040     370   .0077
 323          RX       0      24    24.1      40    40.1      56    56.1      80
 324          RY     101   98.93   98.61   98.97   98.97   98.62   98.92     101

 325          KK     350      SUBBASIN 350 RUNOFF
 326          BA  .00225
 327          LS              77      20
 328          UD     .06

 329          KK    C350      DIVERT C350 TO 330
 330          DT    D330
 331          DI       0     100
 332          DQ       0      50

 333          KK    C360      ROUTE C350 TO 360
 334          RS     100    STOR      -1       0
 335          RC    .040    .016    .040     850   .0040
 336          RX       0      24    24.1      40    40.1      56    56.1      80
 337          RY     101   98.93   98.61   98.97   98.97   98.62   98.92     101

 338          KK     360      SUBBASIN 360 RUNOFF
 339          BA  .01320
 340          LS              77      20
 341          UD     .14

 342          KK     370      SUBBASIN 370 RUNOFF
 343          BA  .00592
 344          LS              77      20
 345          UD     .11

 346          KK    C370      COMBINE D280 AND C350 AND 360 AND 370
 347          HC       4

 348          KK   C380N      ROUTE C370 TO 380N
 349          RS     100    STOR      -1       0
 350          RC    .040    .016    .040     620   .0054
 351          RX       0      20    20.1      40    40.1      60    60.1      80
 352          RY     101   98.93   98.61   98.97   98.97   98.62   98.92     101

 353          KK    380N      SUBBASIN 380N RUNOFF
 354          BA  .00588
 355          LS              77      20
 356          UD     .15
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 357          KK   C380N      COMBINE C370 AND 380N (street flow in 84th street at Kalil)
 358          HC       2

 359          KK  C1110S      ROUTE C380N TO C1110S
 360          RD     280  0.0030   0.012            CIRC       3

 361          KK   1110S        SUBBASIN 1110S RUNOFF
 362          BA  .01991
 363          LS       0      69      18
 364          UD    0.09

 365          KK  C1110S      COMBINE C1110S AND C380N AND 1110S (flow upstream of box-culvert)
 366          HC       3

 367          KK   C1120      ROUTE C1110S TO C1120
 368          RS     100    STOR      -1       0
 369          RC    .020   0.020    .020     200   .0080
 370          RX       0     0.1     0.2     0.3    24.3    24.4    24.5    24.6
 371          RY     110     110     110     100     100     110     110     110

 372          KK    1120        SUBBASIN 1120 RUNOFF
 373          BA  .01692
 374          LS       0      69      50
 375          UD    0.07

 376          KK   C1120        COMBINE 1120 AND C1110S
 377          HC       2

 378          KK   LAKE5        DETENTION BASIN AT LAKE 5
 379          RS       1    STOR       0
 380          SV       0    6.94   10.21      14   18.59   24.07   30.25
 381          SE   73.50   76.09   77.09   78.09   79.09   80.09   81.09
 382          SQ       0       0      49     225     535     960    1500
 383          ZZ
```

SCHEMATIC DIAGRAM OF STREAM NETWORK

```
INPUT
 LINE     (V) ROUTING          (--->) DIVERSION OR PUMP FLOW
 NO.      (.) CONNECTOR        (<---) RETURN OF DIVERTED OR PUMPED FLOW

 15         A30
              V
              V
 20        DA30
              .
              .
 29           .------->     A32
 26         A31
              V
              V
 32      ED1010
              .
              .
 37           .        1010
              .           .
              .           .
 41       C1010............
              V
              V
 43      ED1010
              V
              V
 48       C1020
              .
              .
 53           .        1020
              .           .
              .           .
 57       C1020............
              .
              .
 60           .           .<-------     A32
 59           .         A32
              .           .
              .           .
 64           .           .------->     A36
 61           .         A32
              .           V
              .           V
 67           .       C1030
              .           V
              .           V
 72           .       C1030
              .           .
              .           .
 74           .           .        1030
              .           .           .
              .           .           .
 78           .       C1030............
              .           V
              .           V
 80           .       C1040
              .           .
              .           .
 82           .           .        1040
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```
          .          .          V
          .          .          V
86        .          .       ED1040
          .          .          .
          .          .          .
91        .       C1040.........
          .          V
          .          V
93        .       C1050
          .          .
          .          .
98        .          .       1050
          .          .          .
          .          .          .
102       .       C1050.........
          .          .
          .          .
104    C1050.........
          V
          V
106    C1070
          .
          .
111       .       1060
          .          V
          .          V
115       .       C1070
          .          .
          .          .
120       .          .       1070
          .          .          .
          .          .          .
124    C1070.......................
          V
          V
126    C1080
          .
          .
131       .       1080
          .          .
          .          .
135    C1080.........
          .
          .
137       .       1090
          .          V
          .          V
141       .       C1100
          .          .
          .          .
146       .          .       1100
          .          .          .
          .          .          .
150       .       C1100.........
          .          .
          .          .
152    C1080.........
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154       .         40
          .          V
          .          V
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158     .     SD110
        .       .
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160     .       .        50
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        .       .         .
164     .       .         .        110
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        .       .         .          .
168     .       .       C110.........
        .       .         .
        .       .         .
170     .       .         .        210
        .       .         .          .
        .       .         .          .
174     .     SD210.......................
        .       V
        .       V
176     .     SD220
        .       .
        .       .
178     .       .        70
        .       .         .
        .       .         .
182     .       .         .        120
        .       .         .          .
        .       .         .          .
186     .       .       C120.........
        .       .         .
        .       .         .
188     .     SD220.........
        .       V
        .       V
190     .     SD230
        .       .
        .       .
192     .       .        80
        .       .         .
        .       .         .
196     .       .         .        130
        .       .         .          .
        .       .         .          .
200     .       .       C130.........
        .       .         .
        .       .         .
202     .       .         .        220
        .       .         .          V
        .       .         .          V
206     .       .         .       C230
        .       .         .          .
        .       .         .          .
211     .       .         .          .        230
        .       .         .          .          .
        .       .         .          .          .
215     .       .         .       C230.........
        .       .         .          .
        .       .         .          .
217     .     SD230.......................
        .       V
        .       V
219     .     SD90
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221                 90
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225          SD90............
                 V
                 V
227          SD240
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                 .
229                 140
                     .
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233                     .          240
                     .            .
                     .            .
237          SD240......................
                 V
                 V
239          SD250
                 .
                 .
241                 150
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                     .
245                     .          250
                     .            .
                     .            .
249          SD250......................
                 V
                 V
251          SD260
                 .
                 .
253                 100
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257                     .          160
                     .            .
                     .            .
261                 C160............
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                     .
263                     .          260
                     .            .
                     .            .
267          SD260......................
                 V
                 V
269          SD270
                 .
                 .
271                 170
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                     .
275                     .          270
                     .            .
                     .            .
279          SD270......................
                 .
                 .
282              .-------->   ST270
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281          .        SD270
             .           V
             .           V
285          .        SDBOX
             .           .
             .           .
287       C1080............
             V
             V
289       C1110N
             .
             .
294          .        1110N
             .           .
             .           .
298       C1100N...........
             .
             .
301          .           .<-------   ST270
300          .        ST270
             .           V
             .           V
302          .        ST280
             .           .
             .           .
308          .           .------->   ST280
307          .        SD280
             .           .
             .           .
311       C1110N...........
             V
             V
313       C1110S
             .
             .
319          .           .<-------   ST280
318          .        ST280
             .           V
             .           V
320          .         C370
             .           .
             .           .
325          .           .         350
             .           .           .
             .           .           .
330          .           .           .------->    D330
329          .           .        C350
             .           .           V
             .           .           V
333          .           .        C360
             .           .           .
             .           .           .
338          .           .           .        360
             .           .           .          .
             .           .           .          .
342          .           .           .          .        370
             .           .           .          .          .
             .           .           .          .          .
346          .         C370.................................
             .           V
             .           V
348          .        C380N
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              .          .
              .          .
353           .          .        380N
              .          .          .
              .          .          .
357           .      C380N............
              .          V
              .          V
359           .      C1110S
              .          .
              .          .
361           .          .       1110S
              .          .          .
              .          .          .
365      C1110S........................
              V
              V
367       C1120
              .
              .
372           .       1120
              .          .
              .          .
376       C1120............
              V
              V
378       LAKE5
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*            SEPTEMBER 1990             *
*             VERSION 4.0               *
*                                       *
*  RUN DATE  10/20/1994  TIME  11:52:18 *
*                                       *
*****************************************
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```
*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 756-1104              *
*                                       *
*****************************************
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```
                    84TH STREET AND CHOLLA ROAD
                    2-5-10-25-50-100 yr STORM
                    ULTIMATE CONDITION:
                    --BOX CULVERTS IN CACTUS/84TH INTERSECTION ARE not IMPROVED
                    --NEW STORM SEWER IN CACTUS (outfall at box-culvert)
                    --INTERCEPTOR AT CORTEZ IN 84TH STREET
                    --NO FLOW CROSSING PIMA ROAD AT TBIRD
                  ***********************************************************
                    SCOTTSDALE COUNTRY CLUB LAKE 5
                  ***********************************************************
                    FILE SCCULT.DAT

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

   IT         HYDROGRAPH TIME DATA
                     NMIN          2  MINUTES IN COMPUTATION INTERVAL
                    IDATE      1   0  STARTING DATE
                    ITIME       0000  STARTING TIME
                       NQ        300  NUMBER OF HYDROGRAPH ORDINATES
                   NDDATE      1   0  ENDING DATE
                   NDTIME       0958  ENDING TIME
                    ICENT         19  CENTURY MARK

              COMPUTATION INTERVAL     .03 HOURS
                   TOTAL TIME BASE    9.97 HOURS

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

   JP         MULTI-PLAN OPTION
                    NPLAN          1  NUMBER OF PLANS

   JR         MULTI-RATIO OPTION
                 RATIOS OF PRECIPITATION
                 .36       .53       .62       .76       .88      1.00

        *** FDKRUT WARNING TIME STEP CALCULATION FAILED TO CONVERGE. STABILITY PROBLEMS MAY RESULT
```

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS
FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES
TIME TO PEAK IN HOURS

					RATIOS APPLIED TO PRECIPITATION					
OPERATION	STATION	AREA	PLAN		RATIO 1	RATIO 2	RATIO 3	RATIO 4	RATIO 5	RATIO 6
					.36	.53	.62	.76	.88	1.00
HYDROGRAPH AT	A30	.40	1	FLOW	50.	117.	163.	244.	321.	403.
				TIME	3.57	3.60	3.57	3.57	3.57	3.57
ROUTED TO	DA30	.40	1	FLOW	47.	105.	144.	210.	271.	311.
				TIME	3.70	3.73	3.73	3.77	3.77	3.80
			** PEAK STAGES IN FEET **							
			1	STAGE	35.14	36.34	37.10	38.11	39.07	40.12
				TIME	3.70	3.73	3.73	3.77	3.77	3.80
DIVERSION TO	A32	.40	1	FLOW	46.	97.	130.	190.	244.	281.
				TIME	3.70	3.73	3.73	3.77	3.77	3.80
HYDROGRAPH AT	A31	.40	1	FLOW	1.	9.	14.	20.	26.	30.
				TIME	3.70	3.73	3.73	3.77	3.77	3.80
ROUTED TO	ED1010	.40	1	FLOW	1.	9.	14.	20.	26.	30.
				TIME	3.80	3.80	3.80	3.80	3.80	3.83
			** PEAK STAGES IN FEET **							
			1	STAGE	95.12	95.80	96.07	96.29	96.49	96.61
				TIME	3.80	3.80	3.80	3.80	3.80	3.83
HYDROGRAPH AT	1010	.01	1	FLOW	1.	6.	9.	15.	21.	27.
				TIME	3.20	3.13	3.13	3.13	3.13	3.13
2 COMBINED AT	C1010	.42	1	FLOW	1.	9.	14.	21.	27.	32.
				TIME	3.20	3.80	3.73	3.80	3.77	3.80
ROUTED TO	ED1010	.42	1	FLOW	1.	7.	10.	14.	18.	20.
				TIME	3.87	4.00	4.10	4.17	4.20	4.30
			** PEAK STAGES IN FEET **							
			1	STAGE	24.83	25.73	25.99	26.43	26.80	27.13
				TIME	3.87	4.00	4.10	4.17	4.20	4.30
ROUTED TO	C1020	.42	1	FLOW	1.	7.	10.	14.	18.	20.
				TIME	3.90	4.00	4.10	4.17	4.20	4.30
			** PEAK STAGES IN FEET **							
			1	STAGE	95.13	95.72	95.87	96.09	96.21	96.30
				TIME	3.90	4.00	4.10	4.17	4.23	4.30
HYDROGRAPH AT	1020	.00	1	FLOW	1.	2.	2.	3.	4.	6.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
2 COMBINED AT	C1020	.42	1	FLOW	1.	7.	10.	14.	18.	21.
				TIME	3.90	4.00	4.10	4.17	4.20	4.30
HYDROGRAPH AT	A32	.00	1	FLOW	46.	97.	130.	190.	244.	281.
				TIME	3.70	3.73	3.73	3.77	3.77	3.80

DIVERSION TO	A36	.00	1	FLOW	45.	87.	114.	154.	192.	218.
				TIME	3.70	3.73	3.73	3.77	3.77	3.80
HYDROGRAPH AT	A32	.00	1	FLOW	1.	10.	16.	35.	53.	63.
				TIME	3.70	3.73	3.73	3.77	3.77	3.80
ROUTED TO	C1030	.00	1	FLOW	1.	10.	16.	35.	53.	63.
				TIME	3.80	3.80	3.80	3.80	3.77	3.80
			** PEAK STAGES IN FEET **							
			1	STAGE	95.14	95.88	96.18	96.76	97.16	97.35
				TIME	3.80	3.80	3.80	3.80	3.77	3.80
ROUTED TO	C1030	.00	1	FLOW	1.	10.	16.	35.	53.	63.
				TIME	3.80	3.80	3.80	3.80	3.77	3.83
HYDROGRAPH AT	1030	.01	1	FLOW	1.	4.	6.	10.	14.	18.
				TIME	3.27	3.20	3.20	3.20	3.17	3.17
2 COMBINED AT	C1030	.01	1	FLOW	1.	10.	17.	36.	54.	65.
				TIME	3.80	3.80	3.80	3.80	3.77	3.80
ROUTED TO	C1040	.01	1	FLOW	1.	10.	17.	36.	54.	64.
				TIME	3.80	3.80	3.80	3.80	3.77	3.83
HYDROGRAPH AT	1040	.02	1	FLOW	9.	17.	22.	32.	40.	49.
				TIME	3.17	3.17	3.17	3.17	3.17	3.17
ROUTED TO	ED1040	.02	1	FLOW	2.	4.	5.	6.	8.	9.
				TIME	3.50	3.57	3.57	3.57	3.57	3.57
			** PEAK STAGES IN FEET **							
			1	STAGE	24.68	25.02	25.23	25.58	25.87	26.18
				TIME	3.50	3.57	3.57	3.57	3.57	3.57
2 COMBINED AT	C1040	.03	1	FLOW	3.	14.	21.	42.	61.	73.
				TIME	3.77	3.80	3.80	3.80	3.77	3.80
ROUTED TO	C1050	.03	1	FLOW	3.	14.	21.	42.	61.	73.
				TIME	3.80	3.80	3.80	3.80	3.80	3.83
			** PEAK STAGES IN FEET **							
			1	STAGE	95.46	96.07	96.33	96.89	97.28	97.49
				TIME	3.80	3.80	3.80	3.80	3.80	3.83
HYDROGRAPH AT	1050	.00	1	FLOW	0.	2.	3.	5.	7.	9.
				TIME	3.17	3.13	3.13	3.10	3.10	3.10
2 COMBINED AT	C1050	.03	1	FLOW	3.	14.	22.	43.	62.	74.
				TIME	3.80	3.77	3.80	3.80	3.77	3.83
2 COMBINED AT	C1050	.45	1	FLOW	4.	21.	31.	55.	77.	92.
				TIME	3.83	3.83	3.83	3.83	3.83	3.83
ROUTED TO	C1070	.45	1	FLOW	4.	21.	31.	55.	77.	92.
				TIME	3.53	3.90	3.93	3.90	3.87	3.90
			** PEAK STAGES IN FEET **							
			1	STAGE	95.48	96.20	96.48	97.01	97.39	97.62
				TIME	3.53	3.90	3.93	3.90	3.87	3.90

HYDROGRAPH AT	1060	.01	1	FLOW	1.	4.	6.	10.	14.	18.
				TIME	3.37	3.30	3.30	3.27	3.27	3.27
ROUTED TO	C1070	.01	1	FLOW	1.	4.	6.	10.	14.	17.
				TIME	3.40	3.33	3.30	3.30	3.30	3.30

** PEAK STAGES IN FEET **

			1	STAGE	98.87	98.88	98.89	98.92	98.94	98.96
				TIME	3.40	3.33	3.30	3.30	3.30	3.30
HYDROGRAPH AT	1070	.03	1	FLOW	9.	19.	26.	38.	50.	62.
				TIME	3.20	3.20	3.20	3.20	3.17	3.17
3 COMBINED AT	C1070	.49	1	FLOW	10.	31.	44.	68.	91.	116.
				TIME	3.20	3.27	3.23	3.23	3.23	3.23
ROUTED TO	C1080	.49	1	FLOW	10.	33.	46.	78.	98.	121.
				TIME	3.67	3.47	3.43	3.40	3.37	3.37

** PEAK STAGES IN FEET **

			1	STAGE	95.49	96.06	96.31	96.71	96.95	97.17
				TIME	3.67	3.47	3.43	3.40	3.37	3.37
HYDROGRAPH AT	1080	.05	1	FLOW	18.	36.	48.	68.	87.	106.
				TIME	3.20	3.20	3.20	3.20	3.20	3.20
2 COMBINED AT	C1080	.54	1	FLOW	20.	49.	69.	114.	149.	183.
				TIME	3.20	3.47	3.43	3.40	3.37	3.37
HYDROGRAPH AT	1090	.03	1	FLOW	12.	24.	33.	48.	62.	76.
				TIME	3.17	3.20	3.20	3.17	3.17	3.17
ROUTED TO	C1100	.03	1	FLOW	12.	24.	33.	48.	62.	76.
				TIME	3.17	3.20	3.20	3.17	3.17	3.17

** PEAK STAGES IN FEET **

			1	STAGE	98.75	98.75	98.75	98.75	98.75	98.75
				TIME	3.17	3.20	3.17	3.17	3.17	3.17
HYDROGRAPH AT	1100	.07	1	FLOW	14.	29.	39.	56.	72.	90.
				TIME	3.43	3.47	3.47	3.43	3.43	3.43
2 COMBINED AT	C1100	.10	1	FLOW	20.	41.	55.	79.	102.	126.
				TIME	3.27	3.30	3.30	3.30	3.27	3.27
2 COMBINED AT	C1080	.64	1	FLOW	39.	87.	121.	190.	249.	307.
				TIME	3.23	3.47	3.43	3.40	3.37	3.37
HYDROGRAPH AT	40	.03	1	FLOW	12.	20.	25.	33.	40.	47.
				TIME	3.47	3.47	3.47	3.47	3.47	3.47
ROUTED TO	SD110	.03	1	FLOW	12.	20.	25.	33.	40.	47.
				TIME	3.47	3.47	3.47	3.47	3.47	3.47
HYDROGRAPH AT	50	.01	1	FLOW	4.	7.	8.	11.	14.	17.
				TIME	3.17	3.17	3.17	3.17	3.17	3.17
HYDROGRAPH AT	110	.00	1	FLOW	1.	1.	2.	2.	2.	3.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
2 COMBINED AT	C110	.01	1	FLOW	4.	7.	9.	13.	16.	19.
				TIME	3.17	3.17	3.17	3.17	3.17	3.17

HYDROGRAPH AT	210	.00	1	FLOW	2.	3.	4.	5.	5.	6.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
COMBINED AT	SD210	.04	1	FLOW	14.	23.	28.	37.	46.	54.
				TIME	3.43	3.43	3.43	3.43	3.43	3.43
ROUTED TO	SD220	.04	1	FLOW	14.	23.	28.	37.	45.	54.
				TIME	3.43	3.43	3.43	3.43	3.43	3.43
HYDROGRAPH AT	70	.01	1	FLOW	5.	9.	12.	16.	20.	25.
				TIME	3.23	3.23	3.23	3.23	3.23	3.23
HYDROGRAPH AT	120	.00	1	FLOW	1.	1.	1.	2.	2.	2.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
2 COMBINED AT	C120	.01	1	FLOW	6.	10.	13.	17.	21.	25.
				TIME	3.20	3.23	3.23	3.23	3.23	3.23
2 COMBINED AT	SD220	.05	1	FLOW	18.	30.	37.	49.	60.	72.
				TIME	3.30	3.30	3.30	3.30	3.30	3.30
ROUTED TO	SD230	.05	1	FLOW	18.	30.	37.	49.	60.	72.
				TIME	3.30	3.30	3.30	3.30	3.30	3.30
HYDROGRAPH AT	80	.00	1	FLOW	1.	2.	3.	4.	4.	5.
				TIME	3.13	3.13	3.13	3.13	3.13	3.13
HYDROGRAPH AT	130	.00	1	FLOW	1.	1.	1.	1.	2.	2.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
2 COMBINED AT	C130	.00	1	FLOW	2.	3.	3.	5.	6.	7.
				TIME	3.10	3.10	3.13	3.13	3.13	3.13
HYDROGRAPH AT	220	.00	1	FLOW	2.	3.	3.	4.	5.	6.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
ROUTED TO	C230	.00	1	FLOW	2.	3.	3.	4.	5.	6.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10

** PEAK STAGES IN FEET **

			1	STAGE	97.88	97.89	97.90	97.90	97.91	97.91
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
HYDROGRAPH AT	230	.00	1	FLOW	1.	2.	3.	3.	4.	4.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
2 COMBINED AT	C230	.00	1	FLOW	3.	5.	6.	8.	9.	10.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
3 COMBINED AT	SD230	.05	1	FLOW	20.	33.	41.	54.	66.	79.
				TIME	3.17	3.20	3.23	3.23	3.23	3.23
ROUTED TO	SD90	.05	1	FLOW	20.	33.	41.	54.	66.	79.
				TIME	3.20	3.23	3.23	3.23	3.23	3.23
HYDROGRAPH AT	90	.03	1	FLOW	9.	18.	24.	34.	43.	53.
				TIME	3.27	3.30	3.30	3.27	3.27	3.27
2 COMBINED AT	SD90	.08	1	FLOW	29.	51.	64.	88.	109.	131.
				TIME	3.27	3.27	3.27	3.27	3.27	3.27

ROUTED TO	SD240	.08	1	FLOW	29.	51.	64.	87.	109.	131.
				TIME	3.27	3.27	3.27	3.27	3.27	3.27
HYDROGRAPH AT	140	.00	1	FLOW	1.	2.	3.	3.	4.	4.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
HYDROGRAPH AT	240	.00	1	FLOW	3.	4.	5.	6.	7.	8.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
3 COMBINED AT	SD240	.09	1	FLOW	30.	52.	66.	90.	112.	134.
				TIME	3.23	3.27	3.27	3.27	3.27	3.27
ROUTED TO	SD250	.09	1	FLOW	30.	52.	66.	90.	111.	134.
				TIME	3.23	3.27	3.27	3.27	3.27	3.27
HYDROGRAPH AT	150	.00	1	FLOW	3.	5.	6.	8.	9.	10.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
HYDROGRAPH AT	250	.00	1	FLOW	2.	4.	4.	5.	6.	7.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
3 COMBINED AT	SD250	.09	1	FLOW	33.	55.	69.	94.	116.	139.
				TIME	3.17	3.23	3.27	3.27	3.27	3.27
ROUTED TO	SD260	.09	1	FLOW	33.	55.	69.	94.	116.	139.
				TIME	3.20	3.27	3.27	3.27	3.27	3.27
HYDROGRAPH AT	100	.01	1	FLOW	3.	6.	8.	11.	14.	17.
				TIME	3.17	3.17	3.17	3.17	3.17	3.17
HYDROGRAPH AT	160	.00	1	FLOW	1.	2.	2.	2.	3.	3.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
2 COMBINED AT	C160	.01	1	FLOW	4.	7.	9.	12.	15.	19.
				TIME	3.13	3.13	3.13	3.13	3.13	3.13
HYDROGRAPH AT	260	.00	1	FLOW	2.	3.	4.	5.	5.	6.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
3 COMBINED AT	SD260	.10	1	FLOW	38.	62.	78.	104.	129.	155.
				TIME	3.17	3.20	3.20	3.20	3.23	3.23
ROUTED TO	SD270	.10	1	FLOW	37.	62.	78.	104.	129.	154.
				TIME	3.17	3.20	3.20	3.23	3.23	3.23
HYDROGRAPH AT	170	.00	1	FLOW	0.	1.	1.	1.	1.	2.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
HYDROGRAPH AT	270	.00	1	FLOW	2.	3.	3.	4.	4.	5.
				TIME	3.07	3.07	3.07	3.07	3.07	3.07
3 COMBINED AT	SD270	.10	1	FLOW	39.	64.	79.	106.	131.	157.
				TIME	3.17	3.17	3.20	3.20	3.20	3.23
DIVERSION TO	ST270	.10	1	FLOW	0.	0.	0.	0.	0.	26.
				TIME	.03	.03	.03	.03	.03	3.23
HYDROGRAPH AT	SD270	.10	1	FLOW	39.	64.	79.	106.	131.	131.
				TIME	3.17	3.17	3.20	3.20	3.20	3.13
ROUTED TO	SDBOX	.10	1	FLOW	39.	64.	79.	106.	131.	131.
				TIME	3.17	3.20	3.20	3.23	3.23	3.17

2 COMBINED AT	C1080	.74	1	FLOW	78.	141.	186.	282.	368.	438.
				TIME	3.20	3.23	3.43	3.40	3.37	3.37
ROUTED TO	C1110N	.74	1	FLOW	78.	147.	185.	275.	364.	443.
				TIME	3.27	3.27	3.23	3.43	3.40	3.40
			** PEAK STAGES IN FEET **							
			1	STAGE	93.54	93.81	93.93	94.21	94.42	94.59
				TIME	3.27	3.27	3.23	3.43	3.40	3.40
HYDROGRAPH AT	1110N	.00	1	FLOW	1.	2.	3.	5.	7.	9.
				TIME	3.07	3.10	3.10	3.10	3.10	3.10
2 COMBINED AT	C1100N	.75	1	FLOW	78.	148.	187.	276.	366.	445.
				TIME	3.27	3.27	3.23	3.43	3.40	3.40
HYDROGRAPH AT	ST270	.00	1	FLOW	0.	0.	0.	0.	0.	26.
				TIME	.03	.03	.03	.03	.03	3.23
ROUTED TO	ST280	.00	1	FLOW	0.	0.	0.	0.	0.	28.
				TIME	.03	.03	.03	.03	.03	3.20
			** PEAK STAGES IN FEET **							
			1	STAGE	98.61	98.61	98.61	98.61	98.61	99.05
				TIME	.00	.00	.00	.00	.00	3.20
DIVERSION TO	ST280	.00	1	FLOW	0.	0.	0.	0.	0.	28.
				TIME	.03	.03	.03	.03	.03	3.20
HYDROGRAPH AT	SD280	.00	1	FLOW	0.	0.	0.	0.	0.	0.
				TIME	.03	.03	.03	.03	.03	.03
2 COMBINED AT	C1110N	.75	1	FLOW	78.	148.	187.	276.	366.	445.
				TIME	3.27	3.27	3.23	3.43	3.40	3.40
ROUTED TO	C1110S	.75	1	FLOW	78.	156.	196.	280.	367.	449.
				TIME	3.37	3.27	3.23	3.50	3.43	3.43
			** PEAK STAGES IN FEET **							
			1	STAGE	93.55	93.84	93.97	94.23	94.43	94.60
				TIME	3.37	3.27	3.23	3.50	3.43	3.43
HYDROGRAPH AT	ST280	.00	1	FLOW	0.	0.	0.	0.	0.	28.
				TIME	.03	.03	.03	.03	.03	3.20
ROUTED TO	C370	.00	1	FLOW	0.	0.	0.	0.	0.	29.
				TIME	.03	.03	.03	.03	.03	3.23
			** PEAK STAGES IN FEET **							
			1	STAGE	98.61	98.61	98.61	98.61	98.61	99.06
				TIME	.00	.00	.00	.00	.00	3.23
HYDROGRAPH AT	350	.00	1	FLOW	1.	2.	3.	4.	6.	7.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
DIVERSION TO	D330	.00	1	FLOW	1.	1.	1.	2.	3.	3.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
HYDROGRAPH AT	C350	.00	1	FLOW	1.	1.	1.	2.	3.	3.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10

ROUTED TO	C360	.00	1	FLOW	0.	1.	2.	2.	3.	3.
				TIME	3.37	3.27	3.27	3.23	3.23	3.27
			** PEAK STAGES IN FEET **							
			1	STAGE	98.71	98.76	98.78	98.80	98.82	98.84
				TIME	3.37	3.27	3.27	3.23	3.23	3.27
HYDROGRAPH AT	360	.01	1	FLOW	5.	10.	13.	19.	24.	30.
				TIME	3.17	3.20	3.20	3.20	3.17	3.17
HYDROGRAPH AT	370	.01	1	FLOW	2.	5.	6.	9.	12.	15.
				TIME	3.13	3.17	3.17	3.13	3.13	3.13
4 COMBINED AT	C370	.02	1	FLOW	7.	14.	19.	28.	37.	71.
				TIME	3.17	3.17	3.17	3.20	3.17	3.23
ROUTED TO	C380N	.02	1	FLOW	7.	14.	20.	28.	37.	69.
				TIME	3.23	3.27	3.23	3.20	3.23	3.30
			** PEAK STAGES IN FEET **							
			1	STAGE	98.88	98.95	99.00	99.04	99.09	99.23
				TIME	3.23	3.27	3.23	3.20	3.23	3.30
HYDROGRAPH AT	380N	.01	1	FLOW	2.	4.	6.	8.	10.	13.
				TIME	3.20	3.20	3.20	3.20	3.20	3.20
2 COMBINED AT	C380N	.03	1	FLOW	9.	18.	25.	36.	47.	79.
				TIME	3.23	3.23	3.23	3.20	3.23	3.30
ROUTED TO	C1110S	.03	1	FLOW	9.	18.	25.	36.	47.	78.
				TIME	3.23	3.27	3.23	3.20	3.23	3.30
HYDROGRAPH AT	1110S	.02	1	FLOW	6.	11.	15.	22.	30.	39.
				TIME	3.10	3.13	3.13	3.13	3.13	3.13
3 COMBINED AT	C1110S	.79	1	FLOW	87.	180.	231.	308.	402.	501.
				TIME	3.37	3.27	3.23	3.30	3.27	3.43
ROUTED TO	C1120	.79	1	FLOW	87.	189.	235.	313.	402.	506.
				TIME	3.37	3.27	3.23	3.30	3.27	3.43
			** PEAK STAGES IN FEET **							
			1	STAGE	100.68	101.14	101.30	101.57	101.83	102.13
				TIME	3.37	3.27	3.23	3.30	3.27	3.43
HYDROGRAPH AT	1120	.02	1	FLOW	16.	24.	30.	39.	48.	57.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
2 COMBINED AT	C1120	.81	1	FLOW	90.	198.	248.	324.	419.	515.
				TIME	3.33	3.27	3.23	3.30	3.27	3.43
ROUTED TO	LAKE5	.81	1	FLOW	4.	44.	86.	168.	248.	340.
				TIME	5.97	4.33	4.03	3.77	3.70	3.63
			** PEAK STAGES IN FEET **							
			1	STAGE	76.18	76.99	77.30	77.77	78.16	78.46
				TIME	5.97	4.33	4.03	3.77	3.70	3.63

```
*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*            SEPTEMBER 1990             *
*             VERSION 4.0               *
*                                       *
*  RUN DATE  11/02/1994  TIME  12:34:30 *
*                                       *
*****************************************
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*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*          (916) 756-1104               *
*                                       *
*****************************************
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X     X  XXXXXXX   XXXXX          X
X     X  X        X     X        XX
X     X  X        X              X
XXXXXXX  XXXX     X        XXXXX X
X     X  X        X              X
X     X  X        X     X        X
X     X  XXXXXXX   XXXXX         XXX
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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

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

  1           ID        84TH STREET AND CHOLLA ROAD ROADWAY IMPROVEMENTS
  2           ID        2-5-10-25-50-100 yr STORM
  3           ID        ULTIMATE CONDITION:
  4           ID        ALTERNATE 2A final design (MODIFIED)
  5           ID        --STORM DRAIN IN CHOLLA ROAD
  6           ID        --DETENTION BASIN AT SITE 1 (3 acres)
  7           ID        --STORM DRAIN IN DESERT COVE AND CHANNEL
  8           ID        --CONNECTOR AT CORTEZ TO INTERCEPT 100-YR FLOWS
  9           ID
 10           ID        FILE CHFIN6HY.DAT
              *DIAGRAM
 11           IT       2                    300
 12           IO       5
 13           JR    PREC     .36     .53     .62     .76     .88     1.0

 14           KK     420      SUBBASIN 420 RUNOFF
 15           BA  .01719
 16           PH                   0.88    1.61     2.6    2.84     3.0     3.3
 17           LS              77      20
 18           UD     .21

 19           KK    C430      ROUTE C420 TO 430
 20           RS     100    STOR      -1       0
 21           RC    .040    .016    .040     480   .0020
 22           RX       0      20      23      30    30.1      37      40      60
 23           RY     102    99.7   99.93     100     100   99.93    99.7     102

 24           KK     430      SUBBASIN 430 RUNOFF
 25           BA  .02202
 26           LS              77      20
 27           UD     .20

 28           KK    C430      COMBINE C420 AND 430
 29           HC       2

 30           KK     440      SUBBASIN 440 RUNOFF
 31           BA  .00731
 32           LS              77      20
 33           UD     .14

 34           KK    C440      COMBINE C430 AND 440
 35           HC       2

 36           KK    C440      DIVERT C440 TO SD440
 37           DT   SD440
 38           DI       0      68     200
 39           DQ       0      68      68

 40           KK    C470      ROUTE C440 TO 470
 41           RS     100    STOR      -1       0
 42           RC    .040    .016    .040    1200   .0070
 43           RX       0      24    24.1      40    40.1      56    56.1      80
 44           RY  101.21  100.01   99.68     100     100   99.68  100.01  101.21
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  45          KK     410      SUBBASIN 410 RUNOFF
  46          BA  .04406
  47          LS              77       20
  48          UD    0.30

  49          KK    C450      ROUTE 410 TO C450
  50          RS     100    STOR      -1        0
  51          RC    .040   0.016    .016      130   .0020
  52          RX      20      40      65       70       70       72      100      100
  53          RY   103.1   102.9  101.75   101.74   101.27   101.35   101.63   103.63

  54          KK     450      SUBBASIN 450 RUNOFF
  55          BA  .00803
  56          LS              77       20
  57          UD    0.22

  58          KK    C450      COMBINE C410 AND 450
  59          HC       2

  60          KK    C460      ROUTE C450 TO 460
  61          RS     100    STOR      -1        0
  62          RC    .040   0.016    .016      600   .0020
  63          RX      20      40      65       70       70       72      100      100
  64          RY   103.1   102.9  101.75   101.74   101.27   101.35   101.63   103.63

  65          KK     460      SUBBASIN 460 RUNOFF
  66          BA  .01398
  67          LS              77
  68          UD    0.15

  69          KK    C460      COMBINE C450 AND 460
  70          HC       2

  71          KK     470      SUBBASIN 470 RUNOFF
  72          BA  .00717
  73          LS              98
  74          UD    0.14

  75          KK    C470      COMBINE C460 AND C440 AND 470
  76          HC       3

  77          KK    C600      ROUTE C470 TO 600
  78          RS     100    STOR      -1        0
  79          RC    .040   0.016    .016      980   .0020
  80          RX      20      40      65       70       70       72      100      100
  81          RY   103.1   102.9  101.75   101.74   101.27   101.35   101.63   103.63

  82          KK     600      SUBBASIN 600 RUNOFF
  83          BA  .03036
  84          LS              77       20
  85          UD     .23
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 86           KK    C600      COMBINE C470 AND 600
 87           HC       2

 88           KK    C610      ROUTE C600 TO 610
 89           RS     100    STOR      -1       0
 90           RC    .040   0.016   0.016     250   .0020
 91           RX       0      20      40      46      54      60      80     100
 92           RY     101     100      99      96      96      99     100     101

 93           KK     310      subbasin 310 runoff
 94           BA  .01647
 95           LS              77      20
 96           UD     .16

 97           KK    C320      DIVERT C310 TO 320
 98           DT    D310
 99           DI       0     100
100           DQ       0      50

101           KK    C330      ROUTE C310 TO 330
102           RS     100    STOR      -1       0
103           RC    .040    .016    .040     750   .0030
104           RX       0      24    24.1      40    40.1      56    56.1      80
105           RY     101   98.93   98.61   98.97   98.97   98.62   98.92     101
106           RS     100    STOR      -1       0
107           RC    .040    .016    .040    2000   .0060
108           RX       0      24    24.1      40    40.1      56    56.1      80
109           RY  101.21  100.01   99.68     100     100   99.68  100.01  101.21

110           KK     350      subbasin 350 runoff
111           BA  .00225
112           LS              77      20
113           UD     .06

114           KK    C350      DIVERT C350 TO 360
115           DT    D350
116           DI       0     100
117           DQ       0      50

118           KK    C330      ROUTE 350 TO 330
119           RS     100    STOR      -1       0
120           RC    .040    .016    .040    2200   .0060
121           RX       0      24    24.1      40    40.1      56    56.1      80
122           RY  101.21  100.01   99.68     100     100   99.68  100.01  101.21

123           KK     330      subbasin 330 runoff
124           BA  .06322
125           LS              77      20
126           UD     .38
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 127          KK    C330      COMBINE C310 AND 330 AND C350
 128          HC       3

 129          KK     340      subbasin 340 runoff
 130          BA  .01031
 131          LS              77       20
 132          UD     .15

 133          KK    C330      ROUTE 340 TO 330
 134          RS     100    STOR      -1        0
 135          RC    .040    .016    .040      440    .0022
 136          RX       0    19.8    19.8       40     40.1       42       50       60
 137          RY    82.9   82.41   81.91    82.31    82.31    82.22     82.1     82.4

 138          KK    C330      COMBINE C310 AND 340
 139          HC       2

 140          KK   C380F      ROUTE C330 TO 380F
 141          RD     300  0.0030   0.012             CIRC        4

 142          KK    380F      subbasin 380F runoff
 143          BA  .00688
 144          LS              77       20
 145          UD     .13

 146          KK   C380F      COMBINE 380F AND C330
 147          HC       2

 148          KK   C380E      ROUTE C380F TO 380E
 149          RD     300  0.0030   0.012             CIRC        4

 150          KK    380E      subbasin 380E runoff
 151          BA  .00505
 152          LS              77       20
 153          UD     .10

 154          KK   C380E      COMBINE 380E AND C380F
 155          HC       2

 156          KK   C380D      ROUTE C380E TO 380D
 157          RD     240  0.0030   0.012             CIRC        4

 158          KK    380D      subbasin 380D runoff
 159          BA  .00198
 160          LS              77       20
 161          UD     .10

 162          KK   C380D      COMBINE C380D AND 380E
 163          HC       2
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 164          KK   SD700      ROUTE C380D TO SD700
 165          RD     100  0.0030   0.012            CIRC       4

 166          KK    380B      subbasin 380B runoff
 167          BA  .02333
 168          LS              77      20
 169          UD     .20

 170          KK   SD700      ROUTE C380B TO SD700
 171          RD     150  0.0030   0.012            CIRC       2

 172          KK    380C      subbasin 380C runoff
 173          BA  .00288
 174          LS              77      20
 175          UD     .10

 176          KK   SD700      ROUTE C380C TO SD700
 177          RD      80  0.0030   0.012            CIRC       2

 178          KK     390      subbasin 390 runoff
 179          BA  .00938
 180          LS              77
 181          UD     .17

 182          KK    C390      COMBINE C380D AND 380B AND 380C AND 390
 183          HC       4

 184          KK   SD700      NEW DETENTION BASIN
 185          RS       1    STOR       0
 186          SV       0    2.22    4.58    7.08    9.44
 187          SE      74      75      76      77      78
 188          SQ       0      11      26      41      56

 189          KK    C510      ROUTE SD700 TO 510
 190          RS     100    STOR      -1       0
 191          RC    .050    .035    .050     700   .0070
 192          RX       0      .1      17      22      28      33      50    50.1
 193          RY     102     100      99    96.5    96.5      99     100     102

 194          KK     510      SUBBASIN 510 RUNOFF
 195          BA  .01044
 196          LS              77      20
 197          UD     .06

 198          KK    C510      COMBINE SD700 AND 510
 199          HC       2

 200          KK    C520      ROUTE C510 TO 520
 201          RS     100    STOR      -1       0
 202          RC    .050    .035    .050     440   .0030
 203          RX       0      .1      17      22      28      33      50    50.1
 204          RY     102     100      99    96.5    96.5      99     100     102
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 205          KK     520      SUBBASIN 520 RUNOFF
 206          BA  .01402
 207          LS              77      20
 208          UD     .10

 209          KK    C520      COMBINE C510 AND 520
 210          HC       2

 211          KK     530      SUBBASIN 530 RUNOFF
 212          BA  .00806
 213          LS              77      20
 214          UD     .15

 215          KK    C530      COMBINE C520 AND 530
 216          HC       2

 217          KK    C530      DIVERT C530 TO SD530
 218          DT   SD530
 219          DI       0      71     200
 220          DQ       0      71      71

 221          KK    C550      ROUTE C530 TO 550
 222          RS     100    STOR      -1       0
 223          RC    .050    .035    .050     350   .0050
 224          RX       0      .1      17      22      28      33      50    50.1
 225          RY     102     100      99    96.5    96.5      99     100     102

 226          KK     540      SUBBASIN 540 RUNOFF
 227          BA  .00517
 228          LS              77      20
 229          UD     .13

 230          KK    C550      ROUTE 540 TO C550
 231          RS     100    STOR      -1       0
 232          RC    .040    .016    .040     200   .0080
 233          RX       0      20      23      30    30.1      37      40      60
 234          RY     101    99.7   99.93     100     100   99.93    99.7     101

 235          KK     550      SUBBASIN 550
 236          BA  .00703
 237          LS              77      20
 238          UD     .08

 239          KK    C550      COMBINE 550 AND C530 AND 540
 240          HC       3

 241          KK    C550      DIVERT C550 TO SD550
 242          DT   SD550
 243          DI       0      24     200
 244          DQ       0      24      24
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LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

 245          KK    C560      ROUTE C550 TO 560
 246          RS     100    STOR      -1       0
 247          RC    .050    .035    .050     900   .0060
 248          RX       0      .1      20      22      28      30      50    50.1
 249          RY     102     100      99      97      97      99     100     102

 250          KK     570      SUBBASIN 570 RUNOFF
 251          BA  .00492
 252          LS              77      20
 253          UD     .16

 254          KK     580      SUBBASIN 580 RUNOFF
 255          BA  .00575
 256          LS              77      20
 257          UD     .14

 258          KK     560      SUBBASIN 560 RUNOFF
 259          BA  .00386
 260          LS              77      20
 261          UD     .12

 262          KK    C560      COMBINE C550 AND 560 AND 570 AND 580
 263          HC       4

 264          KK   SD530      RETRIEVE SD530
 265          DR   SD530

 266          KK   SD550      ROUTE SD530 TO SD550
 267          RD     400  0.0030   0.012            CIRC       3

 268          KK   SD440      RETRIEVE SD440
 269          DR   SD440

 270          KK   SD550      ROUTE SD440 TO SD550
 271          RD     700  0.0030   0.012            CIRC       3

 272          KK   SD550      RETRIEVE SD550
 273          DR   SD550

 274          KK   SD550      COMBINE SD530 AND SD440 AND SD550
 275          HC       3

 276          KK    C560      ROUTE SD550 TO C560
 277          RD    1000  0.0030   0.012            CIRC       4

 278          KK    C560      COMBINE SD550 AND 560
 279          HC       2

 280          KK    C590      ROUTE C560 TO 590
 281          RS     100    STOR      -1       0
 282          RC    .050    .035    .050      55   .0030
 283          RX       0      .1      20    20.1      32    32.1      50    50.1
 284          RY     102     100      99      96      96      99     100     102
```

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

 285          KK     590      SUBBASIN 590 RUNOFF
 286          BA  .01931
 287          LS              77      20
 288          UD    0.21

 289          KK    C590      COMBINE C560 AND 590
 290          HC       2

 291          KK    C610      ROUTE C590 TO 610
 292          RS     100    STOR      -1       0
 293          RC    .050    .035    .050     600   .0030
 294          RX       0      .1      20      24      32      36      50    50.1
 295          RY     102     100      99      96      96      99     100     102

 296          KK     610      SUBBASIN 610 RUNOFF
 297          BA   .0035
 298          LS              77      20
 299          UD    0.06

 300          KK    C610      COMBINE 610 AND C590
 301          HC       2

 302          KK    C610      COMBINE 610 AND C600
 303          HC       2
 304          ZZ
```

SCHEMATIC DIAGRAM OF STREAM NETWORK

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

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

  14        420
              V
              V
  19       C430
              .
              .
  24          .         430
              .           .
              .           .
  28       C430............
              .
              .
  30          .         440
              .           .
              .           .
  34       C440............
              .
              .
  37          .------->   SD440
  36       C440
              V
              V
  40       C470
              .
              .
  45          .         410
              .           V
              .           V
  49          .        C450
              .           .
              .           .
  54          .           .         450
              .           .           .
              .           .           .
  58          .        C450............
              .           V
              .           V
  60          .        C460
              .           .
              .           .
  65          .           .         460
              .           .           .
              .           .           .
  69          .        C460............
              .           .
              .           .
  71          .           .         470
              .           .           .
              .           .           .
  75       C470........................
              V
              V
  77       C600
              .
              .
```

```
82          .          600
            .            .
            .            .
86        C600............
            V
            V
88        C610
            .
            .
93          .          310
            .            .
            .            .
98          .            .-------->    D310
97          .        C320
            .            V
            .            V
101         .        C330
            .            .
            .            .
110         .            .         350
            .            .           .
            .            .           .
115         .            .           .-------->    D350
114         .            .       C350
            .            .           V
            .            .           V
118         .            .       C330
            .            .           .
            .            .           .
123         .            .           .         330
            .            .           .           .
            .            .           .           .
127         .        C330........................
            .            .
            .            .
129         .            .         340
            .            .           V
            .            .           V
133         .            .       C330
            .            .           .
            .            .           .
138         .        C330............
            .            V
            .            V
140         .       C380F
            .            .
            .            .
142         .            .       380F
            .            .           .
            .            .           .
146         .       C380F............
            .            V
            .            V
148         .       C380E
            .            .
            .            .
150         .            .       380E
            .            .           .
            .            .           .
154         .       C380E............
            .            V
            .            V
```

```
156   .   C380D
      .      .
      .      .
158   .      .        380D
      .      .          .
      .      .          .
162   .   C380D............
      .      V
      .      V
164   .   SD700
      .      .
      .      .
166   .      .        380B
      .      .          V
      .      .          V
170   .      .       SD700
      .      .          .
      .      .          .
172   .      .          .        380C
      .      .          .          V
      .      .          .          V
176   .      .          .       SD700
      .      .          .          .
      .      .          .          .
178   .      .          .          .        390
      .      .          .          .         .
      .      .          .          .         .
182   .   C390.......................................
      .      V
      .      V
184   .   SD700
      .      V
      .      V
189   .   C510
      .      .
      .      .
194   .      .        510
      .      .          .
      .      .          .
198   .   C510............
      .      V
      .      V
200   .   C520
      .      .
      .      .
205   .      .        520
      .      .          .
      .      .          .
209   .   C520............
      .      .
      .      .
211   .      .        530
      .      .          .
      .      .          .
215   .   C530............
      .      .
      .      .
218   .      .-------->   SD530
217   .   C530
      .      V
      .      V
221   .   C550
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.          .
.          .
226        .          540
.          .           V
.          .           V
230        .         C550
.          .           .
.          .           .
235        .           .          550
.          .           .           .
.          .           .           .
239        .       C550.......................
.          .
.          .
242        .          .------->   SD550
241        .       C550
.          V
.          V
245        .       C560
.          .
.          .
250        .          570
.          .           .
.          .           .
254        .           .          580
.          .           .           .
.          .           .           .
258        .           .           .          560
.          .           .           .           .
.          .           .           .           .
2          .       C560.................................
.          .
.          .
265        .           .<-------   SD530
264        .         SD530
.          .           V
.          .           V
266        .         SD550
.          .           .
.          .           .
269        .           .           .<-------   SD440
268        .           .        SD440
.          .           .           V
.          .           .           V
270        .           .        SD550
.          .           .           .
.          .           .           .
273        .           .           .           .<-------   SD550
272        .           .           .       SD550
.          .           .           .           .
.          .           .           .           .
274        .         SD550......................
.          .           V
.          .           V
276        .         C560
.          .           .
.          .           .
278        .       C560............
.          V
.          V
280        .       C590
.          .
```

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                .          .
285             .          .        590
                .          .          .
                .          .          .
289             .       C590............
                .          V
                .          V
291             .       C610
                .          .
                .          .
296             .          .        610
                .          .          .
                .          .          .
300             .       C610............
                .          .
                .          .
302          C610............
```

(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
*****************************************
*                                       *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)   *
*            SEPTEMBER 1990             *
*             VERSION 4.0               *
*                                       *
*  RUN DATE  11/02/1994  TIME  12:34:30 *
*                                       *
*****************************************
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*****************************************
*                                       *
*    U.S. ARMY CORPS OF ENGINEERS       *
*    HYDROLOGIC ENGINEERING CENTER      *
*          609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616         *
*           (916) 756-1104              *
*                                       *
*****************************************
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```
                    84TH STREET AND CHOLLA ROAD ROADWAY IMPROVEMENTS
                    2-5-10-25-50-100 yr STORM
                    ULTIMATE CONDITION:
                    ALTERNATE 2A final design (MODIFIED)
                    --STORM DRAIN IN CHOLLA ROAD
                    --DETENTION BASIN AT SITE 1 (3 acres)
                    --STORM DRAIN IN DESERT COVE AND CHANNEL
                    --CONNECTOR AT CORTEZ TO INTERCEPT 100-YR FLOWS

                    FILE CHFIN6HY.DAT

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

 IT           HYDROGRAPH TIME DATA
                     NMIN          2  MINUTES IN COMPUTATION INTERVAL
                    IDATE      1   0  STARTING DATE
                    ITIME       0000  STARTING TIME
                       NQ        300  NUMBER OF HYDROGRAPH ORDINATES
                   NDDATE      1   0  ENDING DATE
                   NDTIME       0958  ENDING TIME
                    ICENT         19  CENTURY MARK

              COMPUTATION INTERVAL     .03 HOURS
                   TOTAL TIME BASE    9.97 HOURS

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

   JP         MULTI-PLAN OPTION
                    NPLAN          1  NUMBER OF PLANS

   JR         MULTI-RATIO OPTION
                 RATIOS OF PRECIPITATION
                 .36       .53       .62       .76       .88      1.00
```

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS
FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES
TIME TO PEAK IN HOURS

					RATIOS APPLIED TO PRECIPITATION					
OPERATION	STATION	AREA	PLAN		RATIO 1	RATIO 2	RATIO 3	RATIO 4	RATIO 5	RATIO 6
					.36	.53	.62	.76	.88	1.00
HYDROGRAPH AT	420	.02	1	FLOW	5.	10.	14.	20.	25.	31.
				TIME	3.27	3.27	3.27	3.27	3.27	3.27
ROUTED TO	C430	.02	1	FLOW	5.	10.	14.	20.	26.	31.
				TIME	3.37	3.30	3.37	3.33	3.30	3.30
			** PEAK STAGES IN FEET **							
			1	STAGE	100.12	100.23	100.28	100.37	100.44	100.51
				TIME	3.37	3.30	3.37	3.33	3.30	3.30
HYDROGRAPH AT	430	.02	1	FLOW	6.	13.	18.	26.	33.	41.
				TIME	3.23	3.27	3.27	3.27	3.23	3.23
2 COMBINED AT	C430	.04	1	FLOW	11.	23.	31.	45.	57.	72.
				TIME	3.27	3.30	3.27	3.27	3.30	3.27
HYDROGRAPH AT	440	.01	1	FLOW	3.	5.	7.	10.	13.	16.
				TIME	3.17	3.20	3.20	3.20	3.17	3.17
OMBINED AT	C440	.05	1	FLOW	13.	27.	37.	53.	68.	85.
				TIME	3.27	3.30	3.27	3.27	3.27	3.27
DIVERSION TO	SD440	.05	1	FLOW	13.	27.	37.	53.	68.	68.
				TIME	3.27	3.30	3.27	3.27	3.27	3.17
HYDROGRAPH AT	C440	.05	1	FLOW	0.	0.	0.	0.	0.	17.
				TIME	.03	.03	.03	.03	.03	3.27
ROUTED TO	C470	.05	1	FLOW	0.	0.	0.	0.	0.	22.
				TIME	.03	.03	.03	.03	.03	3.37
			** PEAK STAGES IN FEET **							
			1	STAGE	99.68	99.68	99.68	99.68	99.68	100.07
				TIME	.00	.00	.00	.00	.00	3.37
HYDROGRAPH AT	410	.04	1	FLOW	11.	22.	29.	41.	53.	65.
				TIME	3.37	3.37	3.37	3.37	3.37	3.37
ROUTED TO	C450	.04	1	FLOW	11.	21.	29.	41.	53.	65.
				TIME	3.37	3.37	3.37	3.37	3.37	3.37
			** PEAK STAGES IN FEET **							
			1	STAGE	101.71	101.83	101.89	101.98	102.06	102.13
				TIME	3.37	3.37	3.37	3.37	3.37	3.37
HYDROGRAPH AT	450	.01	1	FLOW	2.	5.	6.	9.	12.	14.
				TIME	3.27	3.27	3.27	3.27	3.27	3.27
2 COMBINED AT	C450	.05	1	FLOW	13.	26.	34.	49.	63.	78.
				TIME	3.37	3.37	3.37	3.37	3.37	3.33

ROUTED TO	C460	.05	1	FLOW	13.	26.	34.	49.	63.	78.
				TIME	3.40	3.40	3.43	3.40	3.40	3.40
			** PEAK STAGES IN FEET **							
			1	STAGE	101.73	101.87	101.93	102.04	102.12	102.20
				TIME	3.40	3.40	3.43	3.40	3.40	3.40
HYDROGRAPH AT	460	.01	1	FLOW	1.	5.	8.	14.	19.	24.
				TIME	3.30	3.23	3.23	3.20	3.20	3.20
2 COMBINED AT	C460	.07	1	FLOW	14.	29.	39.	57.	74.	92.
				TIME	3.40	3.40	3.37	3.37	3.37	3.37
HYDROGRAPH AT	470	.01	1	FLOW	10.	15.	18.	22.	26.	29.
				TIME	3.17	3.17	3.17	3.17	3.17	3.17
3 COMBINED AT	C470	.12	1	FLOW	18.	36.	47.	67.	86.	126.
				TIME	3.30	3.30	3.33	3.33	3.30	3.37
ROUTED TO	C600	.12	1	FLOW	18.	36.	47.	67.	87.	121.
				TIME	3.43	3.43	3.40	3.37	3.40	3.43
			** PEAK STAGES IN FEET **							
			1	STAGE	101.79	101.94	102.03	102.14	102.24	102.40
				TIME	3.43	3.43	3.40	3.37	3.40	3.43
HYDROGRAPH AT	600	.03	1	FLOW	8.	17.	23.	33.	43.	53.
				TIME	3.27	3.30	3.30	3.30	3.27	3.27
2 COMBINED AT	C600	.15	1	FLOW	25.	51.	67.	97.	126.	160.
				TIME	3.37	3.33	3.33	3.37	3.33	3.43
ROUTED TO	C610	.15	1	FLOW	25.	51.	67.	97.	125.	159.
				TIME	3.40	3.37	3.37	3.37	3.33	3.43
			** PEAK STAGES IN FEET **							
			1	STAGE	96.81	97.22	97.42	97.73	97.99	98.26
				TIME	3.40	3.37	3.37	3.37	3.33	3.43
HYDROGRAPH AT	310	.02	1	FLOW	5.	11.	15.	22.	28.	35.
				TIME	3.20	3.20	3.20	3.20	3.20	3.20
DIVERSION TO	D310	.02	1	FLOW	3.	6.	8.	11.	14.	17.
				TIME	3.20	3.20	3.20	3.20	3.20	3.20
HYDROGRAPH AT	C320	.02	1	FLOW	3.	6.	8.	11.	14.	17.
				TIME	3.20	3.20	3.20	3.20	3.20	3.20
ROUTED TO	C330	.02	1	FLOW	3.	6.	8.	11.	16.	20.
				TIME	3.47	3.43	3.43	3.40	3.37	3.33
			** PEAK STAGES IN FEET **							
			1	STAGE	99.87	99.93	99.96	100.00	100.04	100.07
				TIME	3.47	3.43	3.43	3.40	3.37	3.33
ROGRAPH AT	350	.00	1	FLOW	1.	2.	3.	4.	6.	7.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
DIVERSION TO	D350	.00	1	FLOW	1.	1.	1.	2.	3.	3.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
HYDROGRAPH AT	C350	.00	1	FLOW	1.	1.	1.	2.	3.	3.

				TIME	3.10	3.10	3.10	3.10	3.10	3.10
ROUTED TO	C330	.00	1	FLOW	0.	1.	1.	2.	3.	4.
				TIME	3.63	3.53	3.53	3.47	3.43	3.43
			** PEAK STAGES IN FEET **							
			1	STAGE	99.77	99.81	99.82	99.85	99.87	99.89
				TIME	3.63	3.53	3.53	3.47	3.43	3.43
HYDROGRAPH AT	330	.06	1	FLOW	13.	27.	36.	51.	65.	81.
				TIME	3.43	3.47	3.47	3.47	3.47	3.43
3 COMBINED AT	C330	.08	1	FLOW	16.	33.	44.	63.	80.	99.
				TIME	3.47	3.47	3.43	3.47	3.43	3.43
HYDROGRAPH AT	340	.01	1	FLOW	3.	7.	10.	14.	18.	22.
				TIME	3.20	3.20	3.20	3.20	3.20	3.20
ROUTED TO	C330	.01	1	FLOW	3.	7.	10.	14.	18.	23.
				TIME	3.30	3.27	3.23	3.23	3.27	3.23
			** PEAK STAGES IN FEET **							
			1	STAGE	82.23	82.32	82.36	82.41	82.46	82.50
				TIME	3.30	3.27	3.23	3.23	3.27	3.23
2 COMBINED AT	C330	.09	1	FLOW	18.	37.	50.	71.	91.	111.
				TIME	3.47	3.43	3.43	3.43	3.37	3.43
ROUTED TO	C380F	.09	1	FLOW	18.	37.	50.	71.	90.	111.
				TIME	3.47	3.47	3.43	3.47	3.37	3.43
HYDROGRAPH AT	380F	.01	1	FLOW	2.	5.	7.	10.	13.	16.
				TIME	3.17	3.17	3.17	3.17	3.17	3.17
2 COMBINED AT	C380F	.10	1	FLOW	19.	39.	52.	74.	96.	117.
				TIME	3.47	3.47	3.43	3.43	3.37	3.37
ROUTED TO	C380E	.10	1	FLOW	19.	39.	52.	74.	95.	117.
				TIME	3.47	3.47	3.43	3.43	3.40	3.40
HYDROGRAPH AT	380E	.01	1	FLOW	2.	4.	6.	8.	11.	13.
				TIME	3.13	3.13	3.13	3.13	3.13	3.13
2 COMBINED AT	C380E	.10	1	FLOW	20.	40.	54.	76.	98.	121.
				TIME	3.47	3.47	3.43	3.43	3.37	3.37
ROUTED TO	C380D	.10	1	FLOW	19.	40.	53.	76.	98.	121.
				TIME	3.50	3.47	3.43	3.43	3.40	3.40
HYDROGRAPH AT	380D	.00	1	FLOW	1.	2.	2.	3.	4.	5.
				TIME	3.13	3.13	3.13	3.13	3.13	3.13
2 COMBINED AT	C380D	.11	1	FLOW	20.	40.	54.	77.	99.	122.
				TIME	3.47	3.47	3.43	3.43	3.40	3.37
ROUTED TO	SD700	.11	1	FLOW	20.	40.	54.	77.	99.	122.
				TIME	3.50	3.47	3.43	3.43	3.40	3.40
HYDROGRAPH AT	380B	.02	1	FLOW	7.	14.	19.	27.	35.	44.
				TIME	3.23	3.27	3.27	3.27	3.23	3.23
ROUTED TO	SD700	.02	1	FLOW	7.	14.	19.	27.	35.	43.

				TIME	3.27	3.27	3.27	3.27	3.27	3.27
HYDROGRAPH AT	380C	.00	1	FLOW	1.	2.	3.	5.	6.	8.
				TIME	3.13	3.13	3.13	3.13	3.13	3.13
ROUTED TO	SD700	.00	1	FLOW	1.	2.	3.	5.	6.	7.
				TIME	3.13	3.13	3.13	3.13	3.13	3.13
HYDROGRAPH AT	390	.01	1	FLOW	1.	3.	5.	9.	12.	15.
				TIME	3.33	3.27	3.23	3.23	3.23	3.23
4 COMBINED AT	C390	.14	1	FLOW	25.	53.	71.	104.	137.	172.
				TIME	3.37	3.40	3.40	3.37	3.37	3.33
ROUTED TO	SD700	.14	1	FLOW	6.	13.	18.	26.	34.	42.
				TIME	4.07	4.03	4.03	4.00	3.97	3.97
			** PEAK STAGES IN FEET **							
			1	STAGE	74.58	75.14	75.46	76.02	76.52	77.05
				TIME	4.07	4.07	4.03	4.00	3.97	3.97
ROUTED TO	C510	.14	1	FLOW	6.	13.	18.	26.	34.	42.
				TIME	4.13	4.10	4.07	4.03	4.00	4.03
			** PEAK STAGES IN FEET **							
			1	STAGE	96.96	97.20	97.35	97.55	97.71	97.85
				TIME	4.13	4.10	4.07	4.03	4.00	4.03
HYDROGRAPH AT	510	.01	1	FLOW	5.	10.	14.	20.	26.	32.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
2 COMBINED AT	C510	.15	1	FLOW	7.	13.	18.	27.	35.	43.
				TIME	4.13	4.07	4.07	4.03	4.00	3.97
ROUTED TO	C520	.15	1	FLOW	7.	13.	18.	27.	35.	43.
				TIME	4.20	4.13	4.07	4.10	4.03	4.03
			** PEAK STAGES IN FEET **							
			1	STAGE	97.11	97.41	97.59	97.84	98.04	98.22
				TIME	4.20	4.13	4.07	4.10	4.03	4.03
HYDROGRAPH AT	520	.01	1	FLOW	6.	12.	16.	23.	30.	37.
				TIME	3.13	3.13	3.13	3.13	3.13	3.13
2 COMBINED AT	C520	.17	1	FLOW	11.	23.	31.	45.	58.	72.
				TIME	3.17	3.13	3.13	3.13	3.13	3.13
HYDROGRAPH AT	530	.01	1	FLOW	3.	6.	8.	11.	14.	18.
				TIME	3.20	3.20	3.20	3.20	3.20	3.20
2 COMBINED AT	C530	.17	1	FLOW	14.	28.	38.	55.	71.	87.
				TIME	3.17	3.17	3.13	3.13	3.13	3.13
DIVERSION TO	SD530	.17	1	FLOW	14.	28.	38.	55.	71.	71.
				TIME	3.17	3.17	3.13	3.13	3.13	3.10
HYDROGRAPH AT	C530	.17	1	FLOW	0.	0.	0.	0.	0.	16.
				TIME	.03	.03	.03	.03	.03	3.13
ROUTED TO	C550	.17	1	FLOW	0.	0.	0.	0.	0.	16.
				TIME	.03	.03	.03	.03	.03	3.20

			** PEAK STAGES IN FEET **							
			1	STAGE	96.50	96.50	96.50	96.50	96.50	97.37
				TIME	.00	.00	.00	.00	.00	3.20
HYDROGRAPH AT	540	.01	1	FLOW	2.	4.	5.	8.	10.	12.
				TIME	3.17	3.17	3.17	3.17	3.17	3.17
ROUTED TO	C550	.01	1	FLOW	2.	4.	5.	8.	10.	12.
				TIME	3.23	3.23	3.20	3.20	3.20	3.20
			** PEAK STAGES IN FEET **							
			1	STAGE	99.96	100.01	100.04	100.07	100.10	100.13
				TIME	3.23	3.23	3.20	3.20	3.20	3.20
HYDROGRAPH AT	550	.01	1	FLOW	3.	6.	8.	12.	16.	20.
				TIME	3.10	3.13	3.13	3.10	3.10	3.10
3 COMBINED AT	C550	.19	1	FLOW	4.	9.	12.	18.	24.	43.
				TIME	3.13	3.17	3.13	3.13	3.13	3.17
DIVERSION TO	SD550	.19	1	FLOW	4.	9.	12.	18.	24.	24.
				TIME	3.13	3.17	3.13	3.13	3.13	3.10
HYDROGRAPH AT	C550	.19	1	FLOW	0.	0.	0.	0.	0.	19.
				TIME	.03	.03	.03	.03	.03	3.17
ROUTED TO	C560	.19	1	FLOW	0.	0.	0.	0.	0.	22.
				TIME	.03	.03	.03	.03	.03	3.27
			** PEAK STAGES IN FEET **							
			1	STAGE	97.00	97.00	97.00	97.00	97.00	98.06
				TIME	.00	.00	.00	.00	.00	3.27
HYDROGRAPH AT	570	.00	1	FLOW	2.	3.	5.	7.	8.	10.
				TIME	3.20	3.20	3.20	3.20	3.20	3.20
HYDROGRAPH AT	580	.01	1	FLOW	2.	4.	6.	8.	10.	13.
				TIME	3.17	3.20	3.20	3.20	3.17	3.17
HYDROGRAPH AT	560	.00	1	FLOW	1.	3.	4.	6.	8.	9.
				TIME	3.17	3.17	3.17	3.17	3.17	3.17
4 COMBINED AT	C560	.20	1	FLOW	5.	10.	14.	20.	26.	48.
				TIME	3.17	3.20	3.20	3.17	3.17	3.27
HYDROGRAPH AT	SD530	.00	1	FLOW	14.	28.	38.	55.	71.	71.
				TIME	3.17	3.17	3.13	3.13	3.13	3.10
ROUTED TO	SD550	.00	1	FLOW	13.	28.	37.	53.	68.	71.
				TIME	3.17	3.17	3.17	3.17	3.17	3.17
HYDROGRAPH AT	SD440	.00	1	FLOW	13.	27.	37.	53.	68.	68.
				TIME	3.27	3.30	3.27	3.27	3.27	3.17
ROUTED TO	SD550	.00	1	FLOW	13.	27.	36.	52.	67.	68.
				TIME	3.30	3.30	3.30	3.30	3.30	3.33
HYDROGRAPH AT	SD550	.00	1	FLOW	4.	9.	12.	18.	24.	24.
				TIME	3.13	3.17	3.13	3.13	3.13	3.10
3 COMBINED AT	SD550	.00	1	FLOW	27.	55.	74.	108.	140.	161.
				TIME	3.20	3.20	3.20	3.20	3.20	3.20

ROUTED TO	C560	.00	1	FLOW	26.	55.	74.	106.	137.	158.
				TIME	3.23	3.23	3.23	3.23	3.23	3.23
COMBINED AT	C560	.20	1	FLOW	31.	64.	87.	125.	161.	201.
				TIME	3.23	3.23	3.23	3.23	3.23	3.27
ROUTED TO	C590	.20	1	FLOW	31.	65.	87.	125.	162.	201.
				TIME	3.23	3.23	3.23	3.23	3.23	3.27
			** PEAK STAGES IN FEET **							
			1	STAGE	97.14	97.84	98.23	98.87	99.34	99.73
				TIME	3.23	3.23	3.23	3.23	3.23	3.27
HYDROGRAPH AT	590	.02	1	FLOW	6.	11.	15.	22.	29.	35.
				TIME	3.27	3.27	3.27	3.27	3.27	3.27
2 COMBINED AT	C590	.22	1	FLOW	37.	76.	102.	147.	190.	236.
				TIME	3.23	3.23	3.23	3.23	3.23	3.27
ROUTED TO	C610	.22	1	FLOW	36.	76.	102.	147.	190.	233.
				TIME	3.30	3.27	3.27	3.27	3.27	3.30
			** PEAK STAGES IN FEET **							
			1	STAGE	97.45	98.20	98.59	99.13	99.50	99.81
				TIME	3.30	3.27	3.27	3.27	3.27	3.30
HYDROGRAPH AT	610	.00	1	FLOW	2.	3.	5.	7.	9.	11.
				TIME	3.10	3.10	3.10	3.10	3.10	3.10
COMBINED AT	C610	.22	1	FLOW	37.	77.	104.	149.	193.	236.
				TIME	3.30	3.27	3.27	3.27	3.27	3.30
2 COMBINED AT	C610	.37	1	FLOW	60.	123.	165.	241.	312.	389.
				TIME	3.30	3.30	3.30	3.30	3.30	3.30

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*********************************************
*  HEC-2 WATER SURFACE PROFILES             *
*                                           *
*  Version   4.6.2;  May 1991               *
*                                           *
*  RUN DATE    03NOV94    TIME    13:05:11  *
*********************************************
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*****************************************
*  U.S. ARMY CORPS OF ENGINEERS         *
*  HYDROLOGIC ENGINEERING CENTER        *
*  609 SECOND STREET, SUITE D           *
*  DAVIS, CALIFORNIA 95616-4687         *
*          (916) 756-1104               *
*****************************************
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X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X    X            X    X
X     X  X        X                      X
XXXXXXX  XXXX     X         XXXXX    XXXXX
X     X  X        X                 X
X     X  X        X    X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
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THIS RUN EXECUTED 03NOV94 13:05:11

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****************************************
 HEC-2 WATER SURFACE PROFILES

 Version   4.6.2;  May 1991
****************************************


T1       SHEA BOULEVARD AND 82ND STREET DRAINAGE IMPROVEMENTS
T2       EXISTING CHANNEL - NO IMPROVEMENTS
T2       - FLOWS INCREASED W/ TBIRD WASH OVERSPILL
T2       FILE CHALEXRV.DAT
T2       2-5-10-25-50-100-YEAR STORM
T3       2 YR STORM

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       0         2         0         0       .01         0       0.3         0    1352.2         0

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

      1         0        -1


VARIABLE CODES FOR SUMMARY PRINTOUT

     38        43        13        14        15        42        53        54         8         1
      2        17

J5  LPRNT    NUMSEC                    *********REQUESTED SECTION NUMBERS*********

    -10       -10

NC    0.030     0.030     0.020       0.1       0.3
QT        6       106       217       290       416       539       674
X1     1.00        22    9968.4   10024.6
GR   1358.7    9915.3    1358.9    9937.4    1358.9    9960.3    1356.0    9963.1    1356.0    9968.4
GR   1354.5    9978.4    1353.4    9983.7    1352.3    9987.0    1352.2    9993.1    1351.4    9997.6
GR   1351.8   10000.0    1353.4   10006.8    1354.4   10014.1    1355.6   10020.5    1355.9   10024.6
GR   1356.0   10032.5    1355.9   10042.0    1355.5   10051.7    1355.0   10060.0    1354.8   10069.1
GR   1354.4   10073.8    1354.4   10100.9       0.0       0.0       0.0       0.0       0.0       0.0

X1     2.00        22    9972.9   10023.2        57        57        57
GR   1358.5    9900.4    1358.7    9919.3    1358.5    9941.0    1358.2    9964.1    1356.8    9965.6
GR   1355.9    9972.9    1355.7    9979.4    1353.4    9989.9    1352.6    9994.5    1351.8    9998.7
GR   1352.1   10000.0    1353.1   10005.5    1353.8   10011.7    1355.3   10019.1    1355.9   10023.2
GR   1356.2   10030.8    1356.7   10043.9    1356.4   10057.6    1356.4   10066.8    1356.5   10078.3
GR   1356.7   10084.6    1356.8   10100.6       0.0       0.0       0.0       0.0       0.0       0.0
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N				0.3	0.5					
X1	4.00	20	9994.0	10006.0	56	56	56			
X3	10							1356.7	1356.7	
GR	1357.3	9901.3	1357.5	9918.9	1357.1	9951.5	1357.7	9952.0	1357.7	9960.0
GR	1357.4	9968.3	1356.9	9978.3	1356.5	9980.0	1355.5	9986.8	1351.6	9994.0
GR	1351.6	10000.0	1351.6	10006.0	1355.5	10014.6	1356.5	10020.9	1356.5	10021.0
GR	1357.0	10031.2	1357.0	10043.6	1356.8	10052.8	1357.0	10078.3	1357.0	10102.9
SC	1.012	0.5	3.0	0	3	12	80	8.3	1352.3	1351.6
X1	5.00	19	9994.0	10006.0	75	85	80			
X2	0	0	2							
X3	10							1357.7	1357.7	
BT	3	9900	1357.8		10000	1357.8		10100	1357.7	
GR	1357.0	9900.4	1356.6	9923.4	1356.8	9941.0	1356.5	9958.8	1356.5	9973.3
GR	1355.9	9983.7	1354.6	9991.1	1352.3	9994.0	1352.3	9999.6	1352.3	10000.0
GR	1352.3	10006.0	1356.3	10007.1	1357.1	10012.6	1357.2	10022.0	1357.1	10033.9
GR	1356.6	10035.5	1356.7	10058.0	1356.5	10085.2	1356.3	10101.5	0.0	0.0
NC				0.1	0.3					
X1	6.00	22	9972.4	10017.5	9	14	17			
GR	1356.8	9901.7	1356.8	9917.1	1356.6	9941.7	1356.5	9962.6	1356.3	9972.4
GR	1355.6	9979.0	1354.3	9986.4	1353.2	9990.2	1352.9	9993.7	1352.8	9996.9
GR	1352.8	10000.0	1353.0	10006.5	1353.8	10009.7	1356.3	10014.6	1357.0	10017.5
GR	1357.0	10023.9	1357.0	10035.8	1356.9	10048.7	1356.5	10050.1	1356.6	10065.2
GR	1356.3	10088.8	1356.2	10099.8	0.0	0.0	0.0	0.0	0.0	0.0
X1	7.00	23	9968.8	10027.9	26	31	28			
GR	1358.1	9900.7	1358.1	9902.1	1357.1	9910.8	1356.6	9921.1	1356.3	9941.0
GR	1356.4	9957.9	1356.2	9968.8	1355.8	9975.1	1354.8	9983.3	1353.4	9992.3
GR	1353.3	9996.9	1353.3	10000.0	1353.5	10005.9	1353.9	10011.4	1354.6	10016.8
GR	1355.8	10022.7	1356.3	10027.9	1356.5	10034.0	1356.6	10047.8	1356.1	10060.6
GR	1356.2	10073.8	1356.2	10089.2	1356.3	10101.5	0.0	0.0	0.0	0.0
X1	8.00	22	9967.5	10026.0	33	55	45			
GR	1357.8	9901.2	1358.0	9908.8	1357.7	9918.5	1357.0	9932.2	1356.7	9944.9
GR	1356.4	9958.7	1356.3	9967.5	1355.6	9977.0	1354.5	9985.8	1353.9	9991.2
GR	1353.7	9998.5	1353.8	10000.0	1354.0	10006.2	1354.2	10011.8	1355.2	10020.2
GR	1356.0	10026.0	1356.1	10032.8	1356.2	10042.5	1356.2	10056.7	1356.4	10073.0
GR	1356.3	10090.7	1356.3	10100.6	0.0	0.0	0.0	0.0	0.0	0.0
X1	9.00	20	9953.9	10032.2	48	51	49			
GR	1359.0	9900.8	1358.3	9943.5	1358.3	9953.9	1356.4	9974.9	1355.6	9981.2
GR	1354.3	9986.7	1354.0	9991.8	1354.0	9999.2	1354.0	10000.0	1354.0	10006.2
GR	1354.4	10012.1	1355.1	10019.4	1355.6	10026.2	1356.3	10032.2	1356.2	10039.1
GR	1356.5	10046.2	1356.3	10055.8	1356.3	10073.1	1355.9	10095.7	1355.8	10100.4
X1	10.00	17	9901.2	10031.2	51	49	50			
GR	1358.7	9851.1	1358.8	9901.2	1355.7	9976.5	1354.4	9986.5	1354.1	9992.1
GR	1354.0	9997.2	1354.1	10000.0	1354.4	10005.4	1354.9	10013.4	1355.7	10019.1
GR	1356.2	10024.9	1356.5	10031.2	1356.8	10040.2	1356.6	10043.4	1356.4	10051.8
	1355.9	10094.6	1356.0	10100.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	11.00	20	9961.3	10033.9	51	49	50			
GR	1357.8	9906.2	1357.7	9937.7	1358.0	9941.1	1357.9	9950.1	1357.8	9961.3
GR	1357.3	9969.3	1355.2	9983.7	1354.7	9990.1	1354.4	9996.0	1354.3	10000.0
GR	1354.6	10005.0	1354.9	10012.9	1355.5	10020.3	1356.2	10026.9	1356.6	10033.9
GR	1356.5	10043.6	1356.2	10055.0	1356.0	10074.2	1356.0	10087.8	1356.0	10106.0
X1	12.00	23	9951.3	10036.2	50	50	50			
GR	1358.0	9900.4	1357.9	9912.6	1357.8	9928.4	1357.2	9938.9	1357.1	9951.3
GR	1355.6	9973.5	1355.1	9980.4	1355.3	9985.5	1355.1	9989.1	1354.5	9993.7
GR	1354.2	9997.2	1354.2	9998.4	1354.3	10000.0	1355.0	10004.9	1355.6	10011.3
GR	1356.1	10017.8	1356.3	10025.7	1356.6	10036.2	1356.4	10049.2	1356.0	10060.7
GR	1356.0	10076.4	1356.0	10097.6	1356.1	10100.2	0.0	0.0	0.0	0.0
X1	13.00	19	9927.3	10034.4	51	49	50			
GR	1357.3	9900.7	1357.3	9912.8	1357.3	9927.3	1356.8	9943.7	1356.2	9960.4
GR	1355.7	9971.4	1355.4	9980.7	1355.5	9988.6	1355.0	9993.1	1354.8	9998.2
GR	1354.9	10000.0	1355.3	10005.7	1356.0	10013.4	1356.3	10023.0	1356.5	10034.4
GR	1356.4	10048.1	1356.4	10065.4	1356.4	10079.8	1356.2	10101.5	0.0	0.0
X1	14.00	23	9908.6	10043.3	51	49	50			
GR	1360.0	9906.0	1360.0	9908.6	1359.1	9919.6	1358.6	9930.8	1357.9	9945.3
GR	1357.7	9958.0	1357.3	9968.5	1356.2	9977.7	1355.3	9986.8	1354.4	9995.2
GR	1353.9	9997.5	1354.1	9999.4	1354.1	10000.0	1354.3	10004.0	1354.7	10007.2
GR	1355.7	10014.4	1356.2	10022.1	1356.6	10033.6	1357.2	10043.3	1357.0	10061.5
GR	1356.7	10078.5	1356.5	10098.0	1356.4	10106.8	0.0	0.0	0.0	0.0
X1	15.00	27	9947.5	10043.8	50	24	37			
GR	1359.9	9912.7	1359.9	9935.2	1359.5	9947.5	1358.8	9959.7	1358.1	9970.9
GR	1357.4	9978.1	1355.6	9982.1	1354.5	9985.2	1354.5	9987.1	1355.0	9989.5
GR	1354.9	9992.9	1354.5	9997.4	1354.3	10000.0	1354.0	10002.3	1354.3	10005.4
GR	1354.4	10008.2	1354.8	10011.6	1355.9	10019.3	1356.6	10023.4	1356.8	10033.3
GR	1357.0	10043.8	1357.3	10054.4	1356.9	10065.2	1356.7	10073.8	1356.8	10091.1
GR	1356.5	10110.5	1356.5	10112.3	0.0	0.0	0.0	0.0	0.0	0.0
NC				0.3	0.5					
X1	16.00	14	9988.0	10012.0	41	6	25			
X3	10							1358.7	1358.7	
GR	1359.9	9901.0	1359.8	9957.2	1359.3	9985.3	1354.6	9988.0	1354.3	9996.9
GR	1354.3	10000.0	1354.3	10004.6	1354.3	10012.0	1359.3	10012.0	1359.4	10017.7
GR	1359.6	10026.4	1359.5	10033.6	1359.5	10086.5	1359.4	10101.0	0.0	0.0
SC	2.012	0.4	3.0	0	3	12	111	8.3	1354.5	1354.3
X1	17.00	18	9988.0	10012.0	111	106	111			
X2	0	0	2							
X3	10							1359.7	1359.7	
BT	4	9955.5	1359.7		9969.5	1359.7		10000	1359.8	
BT	10100	1359.9								
GR	1359.8	9947.0	1359.8	9955.5	1359.1	9969.5	1356.5	9978.6	1355.7	9985.4
GR	1354.7	9985.5	1354.5	9988.0	1354.5	9996.8	1354.5	10000.0	1354.5	10010.0
GR	1354.5	10012.0	1358.0	10013.4	1358.5	10025.4	1359.0	10038.3	1358.9	10054.4
	1358.7	10071.4	1358.5	10089.0	1359.9	10100	0.0	0.0	0.0	0.0

NC				0.1	0.3					
QT	6	69	139	184	263	340	425			
X1	18.00	17	9989.6	10008.8	25	44	28			
GR	1358.7	9901.0	1358.6	9920.1	1358.5	9950.0	1358.5	9971.5	1358.5	9989.6
GR	1355.3	9994.4	1354.9	9996.6	1354.9	10000.0	1354.9	10002.9	1358.3	10008.8
GR	1358.1	10017.1	1358.0	10035.8	1357.8	10051.1	1357.6	10066.6	1357.5	10077.9
GR	1357.7	10088.7	1357.6	10101.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	19.00	21	9989.0	10008.7	37	37	37			
GR	1359.0	9901.0	1358.8	9912.6	1358.6	9931.2	1358.6	9952.4	1358.6	9972.0
GR	1358.5	9989.0	1355.3	9994.0	1355.0	9995.0	1355.0	9998.6	1355.0	10000.0
GR	1355.0	10002.7	1358.6	10008.7	1358.6	10010.1	1358.3	10014.3	1358.1	10028.1
GR	1358.0	10047.1	1357.9	10062.1	1357.6	10070.0	1358.0	10077.7	1358.1	10087.3
GR	1358.0	10100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	20.00	22	9938.9	10008.2	39	39	39			
GR	1359.7	9900.0	1359.9	9908.4	1359.9	9938.9	1359.1	9940.1	1358.8	9954.9
GR	1358.8	9969.0	1358.8	9983.3	1358.6	9988.9	1355.1	9994.6	1355.1	9998.3
GR	1355.1	10000.0	1355.2	10002.9	1358.6	10008.2	1358.4	10015.3	1358.5	10025.3
GR	1358.4	10046.4	1358.3	10060.4	1358.0	10068.3	1357.8	10076.1	1357.9	10082.1
GR	1358.3	10094.7	1358.3	10101.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	21.00	25	9989.2	10008.8	56	56	56			
GR	1359.5	9901.0	1359.3	9909.9	1359.2	9926.4	1359.1	9955.3	1359.3	9971.0
GR	1359.1	9982.5	1359.0	9987.9	1358.8	9989.2	1355.1	9995.3	1355.1	9998.4
[illegible]	1355.2	10000.0	1355.4	10003.2	1358.8	10008.8	1358.6	10013.6	1358.4	10021.5
GR	1358.5	10033.3	1358.7	10047.3	1358.7	10067.0	1358.4	10075.5	1358.1	10081.3
GR	1357.8	10083.3	1358.5	10086.9	1358.1	10090.3	1358.6	10093.8	1358.7	10101.0
X1	22.00	26	9988.6	10008.2	58	58	58			
GR	1359.4	9901.0	1359.2	9918.3	1359.1	9934.3	1359.2	9948.6	1359.4	9963.0
GR	1359.4	9974.0	1359.1	9982.6	1359.0	9988.6	1355.3	9994.3	1355.3	9998.0
GR	1355.4	10000.0	1355.3	10002.1	1359.1	10008.2	1359.1	10013.4	1359.2	10020.6
GR	1359.0	10027.7	1359.0	10038.0	1359.1	10049.3	1359.0	10058.2	1358.5	10065.5
GR	1358.3	10068.1	1358.3	10073.5	1359.1	10079.5	1359.1	10085.7	1359.0	10096.7
GR	1358.7	10100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	23.00	25	9989.3	10009.0	53	53	53			
GR	1361.8	9919.3	1361.7	9945.2	1359.7	9949.1	1359.3	9961.0	1359.6	9970.0
GR	1360.6	9975.2	1359.7	9979.1	1359.4	9984.7	1359.1	9989.3	1355.5	9994.8
GR	1355.6	9998.6	1355.6	10000.0	1355.7	10002.9	1359.2	10009.0	1359.2	10015.6
GR	1359.5	10026.6	1359.5	10032.6	1359.2	10040.4	1359.1	10046.9	1358.8	10049.8
GR	1359.3	10055.9	1359.2	10067.7	1359.4	10080.2	1359.5	10092.4	1359.3	10101.0
X1	24.00	23	9989.1	10008.8	41	41	41			
GR	1360.9	9928.9	1360.2	9940.1	1360.1	9943.8	1359.9	9958.8	1359.9	9972.9
GR	1360.0	9979.3	1359.8	9984.9	1359.5	9987.4	1359.3	9989.1	1355.8	9994.6
GR	1355.7	9998.3	1355.6	10000.0	1355.6	10002.3	1359.6	10008.8	1359.7	10015.6
GR	1360.1	10023.7	1360.1	10030.2	1359.7	10041.1	1359.7	10050.4	1359.8	10062.3
GR	1359.7	10078.7	1359.7	10097.7	1359.7	10101.0	0.0	0.0	0.0	0.0

X1	25.00	18	9988.3	10008.8	90	1	51			
GR	1360.2	9951.1	1360.1	9960.2	1359.9	9975.6	1359.7	9984.7	1359.7	9988.3
GR	1355.8	9994.1	1355.8	9997.5	1355.7	10000.0	1355.7	10001.3	1360.5	10008.8
GR	1360.3	10015.3	1360.6	10025.6	1360.7	10039.4	1360.4	10056.0	1360.4	10071.7
GR	1360.7	10087.0	1361.0	10099.7	1360.9	10100.1	0.0	0.0	0.0	0.0
X1	26.00	23	9987.4	10006.8	100	1	50			
GR	1360.1	9950.0	1360.4	9957.4	1360.3	9963.6	1360.3	9969.1	1360.4	9975.7
GR	1360.0	9983.9	1359.8	9986.0	1359.8	9987.4	1356.1	9993.8	1356.1	9996.9
GR	1356.2	10000.0	1356.3	10001.1	1359.9	10006.8	1359.8	10008.5	1360.0	10014.6
GR	1360.5	10020.9	1360.4	10030.0	1360.4	10043.8	1360.5	10060.9	1360.8	10073.9
GR	1361.1	10088.4	1361.3	10097.3	1361.3	10099.0	0.0	0.0	0.0	0.0
X1	27.00	21	9982.8	10007.4	55	55	55			
GR	1361.7	9955.6	1361.1	9969.3	1361.0	9978.8	1360.8	9982.8	1360.1	9986.9
GR	1360.1	9988.3	1356.4	9994.5	1356.4	9997.5	1356.4	10000.0	1356.4	10001.7
GR	1360.1	10007.4	1360.1	10008.6	1360.3	10014.0	1360.6	10025.6	1360.7	10036.4
GR	1360.8	10049.6	1360.6	10057.7	1360.8	10067.1	1361.4	10078.8	1361.8	10088.3
GR	1361.8	10099.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	28.00	28	9987.0	10009.9	26	55	44			
GR	1359.7	9901.0	1360.3	9916.2	1360.4	9932.7	1360.7	9942.0	1361.2	9951.5
GR	1361.6	9958.6	1361.6	9966.5	1361.3	9973.1	1361.3	9978.9	1361.2	9981.5
GR	1360.4	9985.7	1360.4	9987.0	1356.3	9993.6	1356.3	9997.2	1356.5	10000.0
GR	1356.4	10003.6	1360.3	10009.9	1360.3	10011.6	1360.7	10015.0	1361.0	10023.1
[illegible]	1360.9	10030.9	1361.0	10042.2	1360.6	10051.6	1360.5	10058.6	1360.7	10066.3
GR	1360.9	10074.5	1361.0	10084.4	1361.9	10100.9	0.0	0.0	0.0	0.0
X1	29.00	33	9988.3	10007.9	28	55	43			
GR	1360.9	9899.3	1361.3	9911.7	1361.4	9925.6	1361.4	9936.5	1361.2	9944.5
GR	1361.1	9953.1	1361.3	9961.9	1361.4	9969.4	1361.2	9974.1	1360.6	9978.2
GR	1360.3	9987.0	1360.4	9988.3	1356.8	9993.0	1356.8	9997.0	1356.6	10000.0
GR	1356.7	10001.5	1360.4	10007.9	1360.5	10009.9	1361.0	10012.8	1361.4	10016.5
GR	1361.3	10022.1	1361.2	10028.3	1361.3	10034.3	1361.0	10037.6	1360.8	10039.0
GR	1361.0	10044.2	1361.0	10052.1	1361.0	10059.6	1361.1	10068.4	1361.2	10073.8
GR	1361.4	10083.7	1361.4	10086.9	1361.4	10098.8	0.0	0.0	0.0	0.0
NC				0.3	0.5					
X1	31.00	30	9994.0	10006.0	4	4	4			
X3	10							1360.8	1360.8	
GR	1360.9	9900.1	1361.0	9908.5	1360.8	9916.0	1360.9	9924.1	1361.2	9928.5
GR	1361.5	9936.2	1361.2	9949.0	1361.1	9962.9	1361.2	9974.1	1360.9	9981.9
GR	1360.9	9984.8	1361.2	9991.5	1356.7	9994.0	1356.7	10000.0	1356.7	10004.2
GR	1356.7	10006.0	1360.5	10011.0	1360.5	10016.0	1360.5	10020.1	1361.1	10023.5
GR	1360.7	10028.8	1361.2	10033.9	1361.1	10039.8	1361.1	10048.2	1361.0	10058.0
GR	1361.0	10069.4	1361.4	10078.6	1361.5	10087.5	1361.7	10092.8	1361.7	10099.0
SC	1.012	0.4	3.0	0	3	12	55	8.3	1356.8	1356.7
X1	32.00	29	9994.0	10006.0	55	55	55			
X2	0	0	2							
[illegible]	10							1360.8	1360.8	
BT	4	9988.8	1360.9		9994	1360.8		10006	1360.8	
BT	10012	1361.1								

[illegible]	1361.5	9900.7	1361.2	9905.0	1362.0	9908.6	1361.9	9911.2	1361.1	9913.4
[illegible]	1361.3	9918.2	1361.1	9922.2	1361.2	9928.4	1361.3	9933.8	1361.3	9936.0
GR	1361.6	9938.2	1361.8	9943.0	1361.6	9952.8	1361.4	9965.8	1361.1	9977.3
GR	1361.0	9985.5	1360.9	9988.8	1356.8	9994.0	1356.8	10000.0	1356.8	10006.0
GR	1361.1	10012	1361.4	10026.2	1361.6	10037.8	1361.7	10049.4	1361.6	10062.9
GR	1361.4	10070.2	1361.2	10080.5	1361.0	10091.2	1361.1	10100.2	0.0	0.0
NC	0.030	0.030	0.045	0.1	0.3					
QT	6	66	130	171	246	316	392			
X1	33.00	26	9966.6	10025.2	5	5	5			
GR	1361.3	9899.8	1361.0	9908.7	1360.9	9919.1	1361.4	9928.7	1361.3	9935.3
GR	1361.7	9937.1	1361.7	9943.0	1361.6	9956.2	1361.5	9966.6	1361.1	9973.6
GR	1360.8	9981.3	1360.8	9984.8	1359.2	9987.8	1359.2	10000.0	1359.3	10004.6
GR	1361.2	10007.6	1361.2	10013.7	1361.5	10025.2	1361.7	10038.3	1361.9	10050.0
GR	1362.0	10062.0	1361.9	10072.5	1361.7	10075.3	1361.4	10083.6	1361.2	10095.8
GR	1361.2	10100.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	34.00	29	9969.1	10007.9	3	3	3			
GR	1361.3	9899.3	1361.1	9908.0	1361.0	9917.6	1361.3	9926.1	1361.3	9933.1
GR	1361.7	9935.9	1361.8	9944.8	1361.7	9958.6	1361.5	9969.1	1361.1	9974.5
GR	1360.9	9980.0	1360.5	9982.8	1359.2	9987.9	1359.2	9990.8	1358.7	9995.9
GR	1358.3	9998.3	1358.6	10000.0	1359.4	10004.4	1361.1	10007.9	1361.3	10010.7
GR	1361.5	10021.5	1361.6	10036.4	1361.9	10049.3	1361.9	10062.4	1361.9	10072.7
GR	1361.8	10075.9	1361.4	10080.0	1361.3	10089.5	1361.2	10099.9	0.0	0.0
X1	35.00	30	9983.8	10010.4	6	38	15			
[illegible]	1362.1	9892.7	1362.1	9892.7	1362.2	9902.7	1362.2	9916.0	1362.0	9927.6
GR	1361.8	9930.3	1361.8	9938.3	1361.9	9943.6	1361.9	9951.2	1361.9	9954.5
GR	1362.2	9959.3	1362.5	9963.8	1362.4	9972.0	1362.2	9983.8	1361.4	9990.6
GR	1359.1	9994.2	1358.9	9997.6	1359.1	10000.0	1361.3	10005.5	1361.5	10010.4
GR	1361.6	10018.0	1361.7	10029.1	1361.9	10040.3	1362.0	10052.5	1362.1	10061.8
GR	1362.1	10071.9	1361.9	10079.8	1361.6	10082.0	1361.4	10091.0	1361.2	10095.7
X1	36.00	32	9990.8	10014.3	27	36	36			
GR	1362.1	9891.5	1361.9	9897.2	1361.8	9912.0	1361.9	9926.3	1362.0	9929.1
GR	1362.0	9940.2	1362.0	9950.4	1362.1	9967.3	1362.1	9978.8	1362.2	9985.6
GR	1361.9	9990.8	1360.9	9994.0	1359.5	9995.2	1359.9	9998.5	1360.5	10000.0
GR	1361.9	10003.9	1362.2	10006.7	1362.3	10014.3	1362.1	10022.1	1361.8	10028.3
GR	1361.6	10035.0	1361.8	10040.0	1361.6	10045.0	1361.7	10049.7	1362.1	10056.0
GR	1362.3	10064.6	1362.5	10073.6	1362.5	10081.4	1362.3	10088.9	1361.9	10090.0
GR	1361.7	10095.4	1361.5	10100.9	0.0	0.0	0.0	0.0	0.0	0.0
X1	37.00	33	9985.4	10006.6	15	35	24			
GR	1362.2	9885.3	1362.3	9901.6	1362.1	9925.1	1362.1	9948.5	1362.1	9964.6
GR	1362.4	9974.9	1362.5	9982.4	1362.3	9985.4	1361.7	9991.6	1360.5	9994.2
GR	1359.5	9996.0	1359.4	9997.1	1359.8	9998.4	1360.6	10000.0	1361.8	10003.0
GR	1362.4	10006.6	1362.4	10008.1	1362.3	10016.6	1362.0	10024.7	1361.7	10032.1
GR	1361.8	10037.0	1361.8	10042.9	1361.6	10047.6	1361.5	10048.9	1362.0	10055.3
GR	1362.2	10062.1	1362.4	10069.5	1362.6	10079.2	1362.5	10087.7	1362.4	10090.9
GR	1362.0	10092.7	1362.2	10094.7	1362.0	10099.9	0.0	0.0	0.0	0.0

X	38.00	28	9983.1	10012.0	28	30	33			
GR	1362.8	9861.6	1362.3	9954.5	1362.2	9967.9	1362.2	9974.9	1362.0	9983.1
GR	1361.3	9988.0	1360.4	9994.0	1359.6	9996.3	1359.5	9997.1	1359.6	9998.7
GR	1360.5	10000.0	1360.5	10000.0	1361.5	10003.2	1361.8	10005.9	1362.2	10012.0
GR	1361.8	10017.1	1362.2	10023.8	1362.3	10033.6	1362.1	10046.1	1361.5	10051.0
GR	1362.0	10057.0	1362.2	10063.6	1362.5	10071.9	1362.6	10078.6	1362.6	10085.6
GR	1362.4	10092.5	1362.2	10095.1	1361.9	10100.2	0.0	0.0	0.0	0.0
X1	39.00	22	9963.5	10006.6	67	35	55			
GR	1362.8	9879.1	1362.7	9904.6	1362.9	9921.5	1363.1	9950.8	1363.0	9963.5
GR	1362.7	9978.7	1362.5	9988.8	1361.1	9993.8	1359.8	9995.7	1359.8	9996.8
GR	1360.1	9998.0	1361.1	10000.0	1362.9	10003.6	1363.0	10006.6	1362.6	10012.4
GR	1362.7	10022.0	1362.4	10038.9	1362.4	10054.8	1362.6	10068.1	1362.7	10080.4
GR	1362.7	10091.7	1362.6	10100.6	0.0	0.0	0.0	0.0	0.0	0.0
X1	40.00	17	9988.9	10020.3	47	46	51			
GR	1363.0	9895.4	1363.1	9907.2	1363.0	9942.5	1362.9	9963.9	1363.1	9978.0
GR	1363.2	9978.4	1363.0	9988.9	1360.6	9996.4	1360.4	10000.0	1362.2	10014.4
GR	1362.9	10020.3	1362.9	10037.7	1362.9	10046.9	1362.7	10051.1	1362.7	10062.5
GR	1362.8	10073.5	1362.8	10100.8	0.0	0.0	0.0	0.0	0.0	0.0
X1	41.00	15	9967.6	10005.0	58	74	72			
GR	1363.2	9867.7	1363.3	9890.1	1363.4	9904.6	1363.4	9918.2	1363.3	9939.3
GR	1363.4	9959.0	1363.6	9967.6	1360.1	9993.5	1360.8	9997.6	1361.8	10000.0
GR	1364.3	10005.0	1364.2	10011.1	1363.4	10025.0	1363.4	10036.4	1363.5	10043.9
X1	42.00	28	9990.0	10009.7	65	57	62			
GR	1363.5	9890.1	1363.5	9899.2	1363.6	9914.5	1363.5	9933.0	1363.5	9950.6
GR	1363.7	9962.7	1363.9	9972.0	1363.8	9979.0	1363.8	9988.7	1363.7	9990.0
GR	1362.9	9993.1	1360.6	9997.1	1360.8	9998.3	1362.0	10000.0	1364.3	10005.3
GR	1363.3	10007.5	1364.1	10009.7	1364.2	10011.1	1363.2	10013.9	1364.1	10014.7
GR	1364.0	10022.7	1364.0	10025.6	1363.7	10039.3	1363.6	10048.1	1363.8	10053.7
GR	1363.8	10073.3	1363.6	10086.8	1363.7	10095.0	0.0	0.0	0.0	0.0
X1	43.00	22	9989.0	10012.2	52	94	80			
GR	1364.4	9912.1	1364.1	9919.9	1363.8	9929.9	1363.8	9943.2	1363.6	9954.6
GR	1363.6	9963.4	1363.8	9973.3	1364.0	9983.4	1363.9	9989.0	1362.9	9992.9
GR	1360.9	9996.4	1360.9	9997.8	1362.0	10000.0	1364.0	10002.2	1364.3	10005.0
GR	1364.4	10012.2	1364.2	10013.0	1364.1	10031.5	1364.0	10040.4	1363.9	10071.2
GR	1363.8	10129.3	1363.8	10153.5	0.0	0.0	0.0	0.0	0.0	0.0
X1	44.00	27	9989.8	10012.1	53	45	50			
GR	1365.0	9896.9	1365.0	9908.7	1364.4	9920.2	1364.1	9930.1	1364.0	9942.0
GR	1364.1	9952.4	1364.0	9960.7	1363.9	9969.6	1363.8	9971.1	1364.2	9977.9
GR	1364.3	9986.7	1364.4	9989.8	1364.1	9992.6	1361.2	9997.3	1361.0	9997.8
GR	1361.4	10000.0	1364.4	10004.6	1364.6	10012.1	1364.1	10030.0	1364.2	10037.3
GR	1364.5	10056.8	1363.9	10085.8	1363.7	10122.6	1364.1	10139.9	1364.4	10148.7
GR	1364.7	10158.2	1364.7	10159.1	0.0	0.0	0.0	0.0	0.0	0.0

X	45.00	29	9998.0	10034.8	43	54	50			
GR	1364.8	9900.0	1364.6	9928.7	1364.3	9948.4	1364.3	9956.8	1364.2	9962.2
GR	1363.8	9966.3	1364.2	9969.9	1364.1	9978.1	1364.2	9986.7	1364.5	9992.8
GR	1364.6	9998.0	1362.2	10006.0	1362.1	10008.0	1362.5	10010.2	1364.7	10015.1
GR	1365.0	10022.8	1365.3	10034.8	1365.1	10042.5	1364.8	10050.8	1364.2	10079.1
GR	1363.9	10105.9	1363.9	10119.7	1363.7	10131.1	1364.1	10135.8	1364.0	10147.8
GR	1364.5	10156.6	1364.7	10158.4	1364.8	10168.1	1364.8	10177.5	0.0	0.0
X1	46.00	28	9988.4	10038.2	49	51	51			
GR	1365.6	9938.3	1365.0	9944.8	1365.1	9952.0	1365.2	9958.6	1365.2	9961.8
GR	1365.3	9972.3	1364.4	9976.1	1364.5	9982.4	1364.7	9988.4	1364.5	9992.7
GR	1362.4	9999.0	1362.3	10000.0	1364.1	10003.2	1364.8	10009.9	1364.9	10026.4
GR	1365.2	10038.2	1364.8	10046.4	1364.8	10055.1	1364.9	10062.1	1364.7	10069.3
GR	1364.4	10083.8	1364.3	10095.5	1364.2	10108.4	1364.3	10117.7	1364.4	10194.2
GR	1364.6	10227	1364.6	10240.4	1364.7	10253.2				
X1	47.00	31	9969.9	10042.4	49	50	50			
GR	1365.6	9900.0	1365.7	9924.1	1365.5	9929.4	1365.1	9931.2	1365.2	9940.3
GR	1365.0	9950.3	1365.0	9958.7	1365.1	9962.9	1365.9	9969.9	1365.6	9973.7
GR	1364.7	9977.2	1364.7	9983.7	1364.7	9983.9	1364.7	9990.4	1362.7	9999.5
GR	1362.7	10001.1	1364.5	10005.1	1364.7	10017.2	1364.8	10024.2	1365.1	10037.7
GR	1365.2	10042.4	1364.9	10059.2	1364.7	10072.8	1364.5	10085.9	1364.6	10106.0
GR	1364.5	10126.9	1364.5	10144.2	1364.7	10173.5	1364.7	10204.0	1364.8	10231.5
GR	1364.8	10252.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X	48.00	31	9986.0	10023.0	46	49	48			
GR	1365.5	9890.0	1365.3	9904.1	1365.3	9917.2	1365.9	9925.5	1364.9	9932.8
GR	1364.8	9948.0	1365.0	9964.8	1365.0	9973.0	1365.5	9986.0	1364.8	9990.0
GR	1363.7	9993.9	1361.8	9995.8	1361.7	9997.7	1362.8	10000.0	1364.1	10002.7
GR	1364.7	10008.1	1365.0	10020.3	1365.1	10023.0	1365.0	10028.5	1365.0	10036.7
GR	1364.6	10051.5	1364.5	10064.7	1364.4	10078.4	1364.4	10096.8	1364.5	10110.7
GR	1364.4	10118.6	1364.5	10128.3	1364.5	10137.4	1364.5	10143.3	1365.0	10183.7
GR	1365.4	10235.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	49.00	35	9996.1	10012.8	62	45	51			
GR	1365.6	9888.7	1365.6	9905.6	1365.6	9923.7	1365.2	9942.5	1365.2	9968.1
GR	1365.9	9973.7	1365.3	9980.6	1365.1	9987.9	1365.2	9989.7	1365.1	9996.1
GR	1362.5	9997.7	1363.2	10000.0	1364.9	10004.8	1365.3	10012.8	1365.2	10017.5
GR	1365.5	10029.1	1365.5	10032.6	1365.8	10042.3	1365.6	10050.5	1365.6	10056.2
GR	1366.0	10060.8	1366.3	10069.4	1366.2	10074.3	1364.7	10082.0	1364.7	10091.9
GR	1364.8	10107.1	1364.7	10116.8	1364.6	10119.6	1364.9	10123.4	1365.1	10131.7
GR	1364.9	10135.1	1365.2	10148.5	1365.3	10157.3	1366.2	10169.2	1366.5	10224.3
X1	50.00	31	9989.6	10022.0	46	48	52			
GR	1365.6	9900.2	1365.5	9911.0	1365.3	9925.0	1365.1	9936.4	1365.3	9950.3
GR	1365.4	9962.5	1365.5	9972.4	1365.6	9981.2	1365.6	9989.6	1365.2	9993.2
GR	1362.9	9997.5	1364.5	10000.0	1364.7	10001.0	1365.1	10009.6	1365.7	10022.0
GR	1366.3	10038.8	1365.7	10049.2	1365.7	10063.1	1365.8	10075.0	1365.4	10084.4
GR	1365.1	10093.7	1365.2	10106.8	1365.2	10116.9	1365.3	10133.0	1365.4	10148.8
GR	1365.8	10162.6	1365.9	10172.6	1366.1	10187.0	1366.2	10207.8	1366.4	10226.3
GR	1366.3	10236.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	51.00	25	9977.8	10010.0	51	49	49			
GR	1366.1	9947.5	1366.5	9962.8	1366.6	9977.8	1366.4	9987.0	1365.9	9992.0
GR	1362.9	9994.1	1362.9	9999.2	1363.6	10000.0	1363.9	10002.2	1365.8	10010.0
GR	1365.8	10021.1	1366.0	10038.5	1366.0	10059.0	1365.9	10072.8	1365.6	10088.4
GR	1365.5	10105.2	1365.5	10121.2	1365.8	10137.6	1366.3	10154.1	1366.3	10168.3
GR	1366.5	10186.6	1366.6	10201.1	1366.9	10215.0	1367.0	10228.4	1367.4	10229.8
X1	52.00	26	9991.9	10033.3	33	58	50			
GR	1366.8	9848.5	1366.7	9965.2	1366.8	9984.6	1366.9	9991.9	1363.9	9997.5
GR	1363.8	10000.0	1363.7	10009.2	1365.8	10026.3	1366.8	10033.3	1366.9	10043.5
GR	1366.7	10057.0	1366.4	10069.7	1366.0	10080.9	1366.0	10091.0	1365.9	10098.2
GR	1365.7	10110.7	1365.5	10116.7	1365.8	10120.8	1366.0	10129.4	1366.2	10138.5
GR	1366.2	10146.9	1366.4	10159.7	1366.6	10171.4	1367.0	10204.6	1367.1	10221.3
GR	1367.0	10232.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	53.00	26	9955.5	10038.3	19	25	25			
GR	1366.9	9878.0	1367.1	9955.5	1366.8	9970.9	1366.5	9984.2	1366.1	9990.8
GR	1364.7	9997.3	1364.3	10000.0	1364.3	10007.6	1364.2	10018.5	1366.8	10026.4
GR	1366.8	10027.5	1367.0	10038.3	1367.0	10051.4	1366.7	10061.9	1366.7	10073.3
GR	1366.1	10075.5	1366.5	10084.2	1366.2	10097.5	1366.2	10109.2	1366.1	10123.1
GR	1366.4	10131.9	1366.4	10141.8	1366.6	10153.1	1367.0	10177.6	1367.3	10202.7
GR	1367.3	10219.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	6	65	126	166	237	308	398			
X1	54.00	27	9860.2	10106.8	26	25	39			
GR	1367.4	9850.8	1367.3	9860.2	1366.7	9878.4	1366.7	9898.0	1366.8	9914.9
GR	1366.9	9929.8	1366.6	9951.7	1365.9	9968.0	1365.4	9990.0	1365.1	10000.0
GR	1364.8	10017.2	1364.6	10028.1	1364.7	10032.0	1364.8	10044.4	1365.3	10060.3
GR	1365.9	10074.8	1366.1	10086.0	1366.7	10106.8	1366.9	10114.7	1366.8	10122.9
GR	1367.0	10132.8	1366.9	10149.2	1366.9	10166.7	1367.0	10181.4	1367.3	10192.7
GR	1367.4	10202.2	1367.4	10214.6	0.0	0.0	0.0	0.0	0.0	0.0
X1	55.00	33	9903.5	10123.2	69	37	50			
GR	1367.5	9845.4	1367.4	9852.6	1366.9	9857.2	1366.5	9867.0	1366.5	9879.1
GR	1366.7	9892.5	1366.8	9903.5	1366.4	9914.3	1365.9	9921.0	1365.5	9922.7
GR	1365.8	9929.0	1366.0	9937.8	1366.2	9950.7	1366.0	9961.5	1365.8	9972.2
GR	1365.6	9974.9	1364.9	9980.2	1366.1	9988.4	1366.7	9995.3	1366.7	10000.0
GR	1366.5	10015.1	1365.7	10040.2	1365.9	10059.7	1367.3	10067.2	1367.1	10077.3
GR	1367.1	10090.2	1366.9	10102.6	1367.0	10113.5	1367.8	10123.2	1367.7	10130.5
GR	1367.7	10139.9	1368.2	10149.1	1368.6	10157.8	0.0	0.0	0.0	0.0
X1	56.00	36	9935.2	10070	49	45	50			
GR	1368.1	9852.3	1368.0	9864.3	1368.1	9875.9	1367.8	9889.8	1367.5	9898.7
GR	1367.3	9911.4	1367.3	9924.5	1367.3	9935.2	1367.2	9940.9	1366.9	9946.3
GR	1366.7	9952.3	1367.0	9957.8	1366.9	9964.0	1366.7	9971.8	1365.7	9977.5
GR	1365.7	9979.0	1366.2	9980.7	1366.7	9985.0	1366.9	9991.3	1366.9	10000.0
GR	1366.9	10012.5	1366.9	10022.9	1366.8	10035.4	1366.5	10036.1	1365.7	10042.8
GR	1366.6	10049.3	1366.8	10059.7	1367.3	10070.0	1367.1	10084.9	1367.1	10101.3
GR	1367.4	10115.0	1367.9	10124.3	1368.2	10131.8	1368.6	10138.2	1368.7	10147.1
GR	1368.7	10152.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	57.00	31	9913.4	10080.9	49	52	50			
GR	1369.0	9901.3	1368.6	9913.4	1368.3	9919.0	1368.0	9923.8	1367.8	9931.6
GR	1367.6	9942.2	1367.4	9952.2	1367.1	9957.3	1367.3	9960.0	1367.3	9968.2
GR	1366.9	9975.5	1367.1	9981.2	1366.3	9984.6	1366.4	9987.2	1367.1	9990.4
GR	1367.5	9994.0	1367.4	10000.0	1367.2	10012.2	1367.1	10022.4	1367.1	10028.7
GR	1367.0	10031.9	1365.7	10035.0	1365.7	10036.4	1366.6	10046.9	1367.2	10080.9
GR	1367.3	10092.0	1367.3	10102.1	1367.6	10113.5	1367.8	10128.0	1368.2	10143.7
GR	1368.5	10149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	58.00	25	9929	10044.2	54	44	51			
GR	1368.8	9844.9	1368.3	9908.0	1368.1	9929.0	1367.9	9948.7	1367.4	9961.8
GR	1367.6	9970.7	1367.3	9974.8	1367.3	9978.4	1367.0	9984.4	1367.7	9988.7
GR	1367.8	9993.8	1368.0	9999.2	1368.1	10000.0	1368.1	10008.3	1367.7	10016.3
GR	1365.5	10025.5	1365.5	10027.3	1367.8	10036.6	1368.4	10044.2	1368.3	10055.0
GR	1368.2	10072.0	1368.3	10086.3	1368.3	10108.2	1368.9	10123.6	1369.2	10138.4
X1	59.00	27	9914	10023.9	65	31	49			
GR	1369.3	9819.0	1368.4	9897.7	1368.4	9906.9	1368.6	9914.0	1368.3	9920.2
GR	1368.4	9930.9	1368.3	9940.7	1368.3	9946.5	1367.9	9954.3	1367.4	9958.8
GR	1367.2	9962.0	1367.4	9968.3	1367.2	9973.4	1366.9	9981.4	1367.4	9988.7
GR	1367.0	9994.7	1366.3	10000.0	1366.8	10001.4	1367.3	10006.3	1367.3	10014.8
GR	1367.8	10023.9	1367.8	10024.7	1368.7	10033.3	1368.9	10039.1	1369.1	10048.6
GR	1369.1	10050.9	1369.1	10052.5	0.0	0.0	0.0	0.0	0.0	0.0
X1	60.00	25	9951.0	10027.2	40	50	52			
[illegible]	1369.2	9818.7	1368.9	9868.2	1368.7	9880.6	1369.0	9893.2	1368.9	9914.5
GR	1368.8	9941.3	1368.9	9951.0	1367.0	9957.2	1367.1	9963.0	1366.5	9969.1
GR	1366.6	9975.2	1366.1	9982.5	1366.4	9985.4	1366.4	9991.0	1367.3	9995.9
GR	1367.4	10000.0	1367.5	10005.7	1368.2	10012.9	1368.6	10019.6	1368.8	10027.2
GR	1368.7	10040.3	1368.7	10054.2	1369.0	10102.6	1369.1	10119.7	1369.1	10120.7
QT	6	57	110	142	204	288	364			
X1	61.00	26	9956.3	10074.8	61	36	47			
GR	1369.1	9839.0	1369.1	9850.4	1369.0	9864.9	1368.9	9881.1	1369.0	9898.5
GR	1369.1	9902.9	1368.8	9913.6	1368.8	9928.3	1368.9	9939.2	1369.1	9946.1
GR	1369.0	9956.3	1366.4	9971.9	1366.4	9981.0	1366.5	9992.5	1366.8	10000.0
GR	1367.6	10013.8	1368.0	10025.5	1368.4	10040.6	1368.6	10057.1	1368.7	10074.8
GR	1368.3	10083.5	1368.4	10086.7	1368.4	10097.0	1368.6	10106.2	1369.0	10112.8
GR	1369.1	10116.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	62.00	22	9958.5	10063.6	60	38	49			
GR	1369.1	9840.4	1369.1	9855.0	1368.9	9872.8	1369.0	9887.7	1368.8	9926.0
GR	1368.8	9958.5	1368.2	9969.8	1367.4	9978.8	1366.5	9986.2	1366.8	9992.1
GR	1367.1	9998.0	1367.1	10000.0	1367.0	10004.1	1367.5	10009.4	1368.6	10014.8
GR	1368.9	10021.8	1369.0	10035.2	1369.4	10048.6	1369.7	10063.6	1369.7	10077.8
GR	1369.9	10089.6	1369.9	10099.2	0.0	0.0	0.0	0.0	0.0	0.0
X1	63.00	24	9958.0	10056.6	53	39	51			
GR	1369.7	9831.5	1369.5	9876.2	1369.3	9893.2	1369.1	9924.7	1369.2	9944.9
GR	1369.0	9953.4	1369.2	9958.0	1369.1	10000.0	1368.6	10011.1	1368.1	10011.9
[illegible]	1368.4	10016.7	1368.5	10020.6	1368.5	10025.5	1368.5	10028.0	1368.9	10034.2
GR	1369.3	10040.8	1369.6	10048.4	1370.0	10056.6	1370.0	10068.6	1370.0	10079.5
GR	1370.1	10089.8	1370.1	10094.0	1370.0	10109.2	1370.2	10121.7	0.0	0.0

X1	64.00	34	9973.8	10051.5	48	54	52			
GR	1369.7	9860.2	1369.6	9890.2	1369.5	9907.3	1369.5	9921.4	1369.4	9929.8
GR	1369.4	9943.2	1369.3	9954.3	1369.4	9964.1	1369.6	9973.8	1369.7	9996.4
GR	1368.2	10000.0	1367.3	10002.8	1367.3	10005.2	1370.3	10012.8	1370.5	10023.1
GR	1370.8	10028.4	1370.6	10033.6	1369.0	10036.3	1369.3	10040.7	1369.4	10046.4
GR	1369.6	10051.5	1369.3	10056.4	1369.3	10060.7	1369.3	10063.4	1369.6	10069.0
GR	1370.0	10074.3	1369.9	10077.9	1369.6	10081.1	1369.5	10091.7	1369.7	10104.3
GR	1369.9	10115.9	1369.9	10125.8	1369.9	10136.7	1370.0	10141.7	0.0	0.0
X1	65.00	33	9978.2	10048.6	40	65	48			
GR	1370.4	9869.0	1370.2	9889.0	1370.2	9906.1	1369.9	9924.3	1369.7	9935.6
GR	1369.9	9943.4	1369.9	9953.3	1370.1	9961.5	1370.3	9972.6	1370.5	9978.2
GR	1370.4	9994.8	1370.5	9998.8	1369.9	10000.0	1368.1	10005.5	1369.3	10011.3
GR	1370.5	10024.9	1370.6	10039.9	1370.6	10048.6	1370.2	10056.9	1369.2	10061.8
GR	1369.3	10063.7	1369.6	10065.4	1369.8	10071.1	1369.8	10078.4	1369.6	10085.1
GR	1369.2	10088.0	1369.3	10093.4	1369.7	10097.3	1369.9	10103.6	1369.9	10111.6
GR	1369.9	10126.1	1370.0	10143.0	1370.1	10153.6	0.0	0.0	0.0	0.0
X1	66.00	34	9963.7	10029.6	47	53	49			
GR	1370.8	9870.5	1370.8	9885.2	1370.8	9909.6	1370.7	9922.8	1370.7	9946.8
GR	1370.9	9963.7	1370.8	9966.8	1369.7	9977.3	1369.6	9984.0	1369.7	9993.4
GR	1366.6	9997.4	1367.0	10000.0	1367.6	10004.7	1370.3	10011.6	1370.7	10014.5
GR	1370.9	10020.5	1371.1	10029.6	1371.0	10042.5	1370.5	10050.0	1370.1	10054.4
GR	1370.5	10055.6	1370.4	10063.6	1370.4	10076.7	1370.6	10081.7	1370.5	10088.2
GR	1370.2	10093.2	1370.2	10096.2	1369.9	10098.4	1370.4	10101.5	1370.7	10107.0
	1370.5	10116.5	1370.4	10125.2	1370.5	10138.6	1370.6	10139.2	0.0	0.0
X1	67.00	44	9975.8	10072.5	43	56	50			
GR	1371.1	9883.8	1371.0	9893.2	1370.9	9906.3	1370.8	9914.6	1370.7	9928.7
GR	1370.6	9934.1	1369.9	9937.8	1370.9	9940.5	1371.1	9943.4	1371.2	9953.5
GR	1371.3	9966.0	1371.3	9975.8	1371.2	9980.4	1369.4	9989.4	1367.5	9996.0
GR	1367.5	9998.9	1367.6	10000.0	1367.8	10003.0	1370.8	10011.9	1371.1	10016.8
GR	1371.3	10026.4	1371.3	10034.9	1371.1	10040.3	1371.1	10041.5	1370.9	10045.1
GR	1371.0	10047.3	1371.0	10061.5	1370.7	10061.8	1371.7	10066.2	1372.2	10068.3
GR	1372.4	10072.5	1372.4	10076.0	1372.0	10078.9	1370.8	10081.9	1370.7	10085.4
GR	1370.7	10092.6	1370.7	10100.5	1370.7	10107.3	1370.3	10110.4	1370.6	10112.7
GR	1371.0	10116.1	1371.2	10121.4	1371.1	10127.3	1370.9	10127.9	0.0	0.0
X1	68.00	37	9974.4	10023.0	17	10	17			
GR	1371.0	9898.2	1371.0	9903.9	1370.6	9909.4	1370.3	9914.3	1370.6	9918.2
GR	1370.7	9923.4	1371.0	9932.0	1371.3	9937.4	1371.7	9943.2	1371.5	9947.4
GR	1371.5	9954.2	1371.8	9963.2	1371.9	9974.4	1367.4	9988.3	1367.7	9996.4
GR	1367.9	10000.0	1368.5	10004.0	1370.8	10010.7	1373.0	10018.1	1373.8	10023.0
GR	1373.2	10030.0	1372.4	10037.5	1372.0	10044.6	1370.9	10049.6	1371.1	10059.5
GR	1371.0	10067.3	1370.8	10067.5	1371.0	10071.6	1371.0	10078.0	1371.2	10080.4
GR	1371.5	10082.6	1371.3	10086.6	1370.7	10089.9	1370.8	10091.4	1370.9	10093.2
GR	1371.0	10102.1	1371.1	10103.5	0.0	0.0	0.0	0.0	0.0	0.0

NH	5	0.030	9924.3	0.9	9993.8	0.025	10013.4	0.9	10076.1	0.030
NH	10128									
QT	6	55	102	133	201	288	360			
X1	69.00	31	9979.6	10013.4	74	115	88			
GR	1371.9	9902.8	1371.9	9913.2	1371.5	9920.1	1371.9	9924.3	1371.9	9934.6
GR	1371.9	9945.7	1371.7	9960.2	1371.9	9960.6	1371.9	9979.6	1371.8	9984.0
GR	1371.4	9987.9	1370.4	9992.2	1368.4	9993.8	1368.2	9997.3	1367.8	10000.0
GR	1367.8	10001.9	1368.3	10003.4	1370.7	10008.1	1371.8	10013.4	1371.8	10015.9
GR	1371.7	10027.3	1371.6	10041.1	1371.7	10057.2	1371.7	10064.0	1371.7	10076.1
GR	1372.0	10091.5	1372.1	10109.6	1372.2	10118.6	1371.7	10121.8	1371.6	10123.3
GR	1371.7	10128	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.030	0.030	0.045							
X1	70.00	19	9987.2	10069.1	48	30	41			
GR	1371.8	9892.3	1371.6	9934.8	1372.0	9941.3	1371.7	9948.6	1371.6	9959.2
GR	1371.8	9974.2	1371.8	9987.2	1371.7	9993.6	1369.5	10000.0	1367.5	10003.0
GR	1367.6	10005.4	1371.9	10025.2	1372.0	10054.9	1372.3	10069.1	1372.2	10085.7
GR	1372.0	10097.7	1372.0	10112.3	1372.3	10126.5	1372.4	10127.6	0.0	0.0
X1	71.00	25	9995.8	10050.4	50	48	50			
GR	1372.3	9904.0	1372.4	9923.0	1372.0	9937.7	1371.8	9953.2	1371.7	9965.9
GR	1371.8	9977.6	1371.9	9983.1	1373.0	9986.5	1373.2	9988.6	1373.4	9995.8
GR	1371.3	10000.0	1371.1	10003.8	1371.9	10007.7	1372.0	10008.6	1372.0	10012.6
GR	1370.7	10015.6	1371.6	10019.1	1371.9	10024.4	1372.1	10033.0	1372.2	10050.4
GR	1372.1	10061.0	1372.3	10082.4	1372.3	10101.6	1372.4	10122.1	1372.5	10123.1
X1	72.00	28	9989.5	10022.1	49	50	50			
GR	1372.4	9905.6	1372.3	9918.2	1372.3	9931.8	1372.2	9940.2	1372.5	9950.6
GR	1372.5	9956.1	1372.2	9961.5	1372.3	9969.1	1372.4	9975.8	1372.2	9977.9
GR	1372.3	9986.4	1372.2	9989.5	1369.9	10000.0	1369.3	10003.6	1371.1	10008.0
GR	1372.4	10014.1	1372.8	10022.1	1372.5	10033.0	1372.3	10037.3	1372.3	10056.1
GR	1372.4	10069.7	1372.3	10077.0	1372.4	10087.3	1372.9	10094.8	1373.3	10101.6
GR	1373.5	10107.0	1373.3	10120.7	1373.2	10120.8	0.0	0.0	0.0	0.0
X1	73.00	26	9991.7	10025.0	47	32	40			
GR	1373.1	9898.6	1373.0	9919.7	1372.9	9934.9	1372.8	9946.6	1372.6	9957.9
GR	1372.5	9966.0	1372.6	9975.2	1372.6	9981.4	1373.1	9985.2	1373.5	9989.0
GR	1373.3	9991.7	1372.9	9994.1	1369.9	10000.0	1369.8	10005.0	1372.1	10013.9
GR	1373.4	10020.5	1373.5	10025.0	1372.9	10027.2	1372.6	10029.7	1372.9	10035.7
GR	1373.0	10046.5	1372.9	10060.2	1373.0	10076.7	1373.0	10094.6	1373.2	10113.6
GR	1373.2	10118.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	74.00	27	9990.1	10013.5	65	39	53			
GR	1373.9	9900.8	1374.0	9911.6	1373.7	9944.9	1373.3	9967.3	1372.9	9975.0
GR	1372.7	9982.8	1373.0	9987.6	1374.0	9990.1	1370.4	10000.0	1373.0	10007.4
GR	1373.0	10013.5	1372.1	10019.3	1371.7	10033.6	1371.3	10041.9	1371.1	10050.4
GR	1371.4	10055.0	1371.5	10060.7	1372.4	10066.9	1372.6	10069.4	1371.9	10072.4
GR	1372.0	10079.4	1372.9	10083.7	1372.6	10087.7	1372.2	10089.9	1372.8	10112.0
GR	1373.4	10117.4	1373.7	10119.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	75.00	23	9990.6	10014.5	33	28	29			
GR	1373.8	9913.5	1373.6	9943.2	1373.3	9970.0	1373.4	9980.8	1373.6	9986.2
GR	1374.1	9990.6	1370.1	9999.5	1369.9	10000.0	1371.9	10007.6	1373.8	10014.5
GR	1373.3	10023.8	1373.0	10036.6	1373.2	10050.8	1373.2	10060.2	1372.8	10066.7
GR	1372.8	10074.6	1373.0	10081.5	1372.8	10089.4	1372.4	10098.1	1372.0	10103.6
GR	1372.5	10111.4	1373.3	10117.8	1373.3	10121.0	0.0	0.0	0.0	0.0
X1	76.00	24	9982.8	10014.9	38	32	36			
GR	1373.8	9932.7	1373.5	9939.4	1373.6	9953.7	1373.4	9966.1	1373.3	9974.7
GR	1373.5	9979.1	1374.5	9982.8	1369.5	9991.4	1369.5	9994.1	1371.6	9996.4
GR	1371.4	10000.0	1373.3	10007.3	1373.6	10014.9	1373.2	10028.3	1373.1	10040.7
GR	1373.1	10053.2	1373.1	10060.7	1373.4	10067.7	1373.0	10072.9	1373.2	10080.3
GR	1373.0	10085.1	1374.0	10094.2	1373.9	10101.2	1373.8	10110.9	0.0	0.0
X1	77.00	19	9992.6	10027.1	34	49	39			
GR	1374.3	9897.2	1373.9	9920.1	1373.7	9936.3	1373.6	9953.1	1373.6	9969.3
GR	1373.7	9980.7	1373.7	9986.0	1374.5	9989.9	1374.7	9992.6	1374.0	9995.3
GR	1373.4	9997.2	1369.9	10000.0	1369.6	10002.6	1372.2	10005.8	1373.2	10008.4
GR	1373.5	10013.6	1373.8	10019.7	1374.1	10027.1	1374.0	10031.3	0.0	0.0
X1	78.00	31	9985.0	10026.7	42	65	58			
GR	1375.3	9877.4	1374.8	9892.3	1374.3	9896.2	1374.4	9899.3	1374.5	9910.3
GR	1374.2	9921.9	1373.5	9923.2	1373.8	9927.3	1374.1	9931.8	1374.7	9936.2
GR	1374.9	9939.2	1375.1	9943.7	1374.2	9947.9	1374.3	9953.5	1373.7	9961.7
GR	1373.1	9968.5	1372.6	9972.8	1373.1	9978.4	1373.8	9985.0	1373.7	9990.2
GR	1370.3	9995.7	1370.3	9996.6	1370.9	10000.0	1371.8	10003.0	1372.2	10008.5
GR	1372.6	10015.6	1373.3	10021.2	1373.6	10026.7	1374.1	10035.7	1374.4	10042.6
GR	1374.4	10042.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	79.00	43	9981.0	10031.2	42	62	55			
GR	1375.4	9877.0	1375.2	9887.0	1374.8	9900.0	1374.8	9910.2	1374.8	9917.6
GR	1374.3	9919.3	1374.1	9922.9	1374.1	9924.4	1374.3	9928.0	1374.3	9934.6
GR	1374.2	9942.7	1374.1	9945.3	1373.7	9949.0	1373.5	9952.3	1374.0	9956.9
GR	1374.6	9960.3	1374.6	9965.1	1374.6	9970.2	1374.8	9975.2	1374.6	9981.0
GR	1374.0	9986.2	1373.7	9990.8	1373.6	9993.1	1371.3	9995.2	1371.5	9996.5
GR	1373.3	10000.0	1374.1	10004.6	1374.6	10007.6	1374.3	10011.5	1372.7	10015.6
GR	1371.6	10019.0	1370.1	10021.8	1370.1	10022.9	1373.6	10027.9	1374.3	10031.2
GR	1374.2	10034.1	1373.5	10037.9	1373.2	10041.5	1373.4	10047.6	1373.7	10052.9
GR	1373.9	10060.0	1374.2	10067.7	1374.7	10071.4	0.0	0.0	0.0	0.0
NC				0.3	0.5					
X1	80.00	32	10000	10052.8	62	51	60			
X3	10							1374.4	1373.6	
GR	1375.6	9878.7	1375.6	9888.2	1375.1	9899.4	1375.1	9910.7	1375.2	9919.9
GR	1374.7	9923.1	1374.1	9927.6	1374.1	9930.7	1374.4	9939.0	1374.2	9948.5
GR	1373.9	9952.8	1373.5	9957.7	1374.1	9964.7	1374.0	9971.8	1373.7	9977.5
GR	1374.0	9981.7	1374.1	9982.9	1374.6	9996.0	1374.8	10000.0	1374.7	10006.8
GR	1374.4	10010.9	1371.9	10017.0	1371.4	10018.0	1369.7	10019.9	1370.3	10022.8
GR	1372.3	10026.9	1373.1	10030.9	1373.6	10036.4	1374.1	10042.9	1374.4	10052.8
GR	1374.4	10070.3	1374.6	10090.8	0.0	0.0	0.0	0.0	0.0	0.0

SD		1.56	3.0	0	10	0	40	1	0	0
X1	81.00	28	9987.9	10029.4	13	14	13			
X2	0	0	1	1372.8	1373.4	0	0	0	0	
X3	10							1373.7	1373.5	
BT	2	9987.9	1373.7	1372.8	10029.4	1373.5	1373.0			
GR	1375.8	9879.6	1375.0	9911.2	1375.6	9923.8	1373.9	9927.8	1374.2	9931.4
GR	1374.2	9940.7	1374.0	9947.4	1373.8	9950.2	1373.1	9953.9	1373.2	9963.4
GR	1373.2	9968.4	1373.4	9978.7	1372.8	9987.9	1371.0	9997.4	1371.0	10000.0
GR	1371.0	10005.3	1371.0	10008.4	1371.0	10019.0	1373.0	10029.4	1372.8	10029.9
GR	1373.2	10032.7	1373.7	10039.0	1374.1	10044.6	1374.3	10056.3	1374.5	10069.7
GR	1374.4	10078.5	1374.4	10089.5	1374.4	10092.7	0.0	0.0	0.0	0.0
NC				0.1	0.3					
X1	82.00	40	9981.8	10031.4	23	21	30			
GR	1375.6	9877.7	1375.5	9887.9	1374.9	9904.1	1375.1	9910.8	1375.4	9919.3
GR	1375.1	9922.4	1374.2	9926.6	1373.8	9926.7	1374.1	9932.9	1374.3	9940.3
GR	1374.3	9947.0	1374.0	9950.0	1373.3	9954.7	1373.6	9958.6	1373.9	9963.1
GR	1374.0	9967.2	1374.6	9971.3	1375.3	9975.3	1375.6	9977.2	1375.9	9981.8
GR	1375.5	9985.3	1372.1	9990.3	1372.0	9994.0	1372.1	9994.2	1372.5	10000.0
GR	1372.4	10016.7	1374.3	10024.2	1376.2	10028.9	1376.4	10031.4	1375.5	10034.3
GR	1375.7	10035.0	1375.5	10041.5	1375.1	10047.2	1374.9	10051.2	1374.7	10060.1
GR	1374.6	10066.9	1374.9	10089.6	1374.6	10091.2	1375.1	10092.7	1375.2	10095.1
X1	83.00	31	9976.8	10034.4	32	58	50			
GR	1375.7	9882.4	1375.9	9894.9	1375.6	9911.6	1375.5	9922.7	1375.3	9925.9
GR	1374.4	9928.1	1374.3	9934.1	1374.7	9935.9	1374.9	9940.3	1374.9	9945.3
GR	1374.8	9951.3	1374.5	9954.4	1374.2	9956.7	1374.5	9962.7	1375.1	9968.9
GR	1375.0	9971.5	1375.2	9976.8	1371.4	9985.7	1371.7	9986.8	1373.0	10000.0
GR	1373.5	10006.7	1373.7	10010.0	1374.6	10019.3	1374.9	10025.8	1375.1	10034.4
GR	1375.1	10035.5	1375.6	10040.3	1375.7	10050.3	1375.3	10060.5	1375.0	10070.0
GR	1375.2	10089.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	84.00	27	9977.3	10015.0	45	56	52			
GR	1376.5	9886.0	1376.4	9896.3	1376.1	9906.5	1376.1	9914.6	1375.9	9920.4
GR	1376.2	9925.1	1375.6	9932.1	1375.6	9937.4	1375.6	9939.1	1375.7	9944.9
GR	1375.7	9951.1	1375.3	9957.4	1375.1	9962.9	1375.2	9970.5	1375.3	9974.8
GR	1375.4	9977.3	1374.1	9982.1	1372.3	9984.9	1372.0	9988.0	1372.2	9992.4
GR	1374.4	10000.0	1375.5	10005.9	1375.5	10015.0	1375.5	10035.4	1375.3	10055.5
GR	1375.2	10067.3	1375.5	10081.1	0.0	0.0	0.0	0.0	0.0	0.0
X1	85.00	28	9980.7	10010.7	46	53	50			
GR	1376.9	9887.8	1377.3	9899.8	1377.4	9907.9	1376.7	9917.0	1376.5	9927.4
GR	1376.4	9935.8	1376.1	9938.3	1376.5	9942.2	1376.7	9950.0	1376.5	9953.6
GR	1376.0	9960.2	1375.6	9962.4	1375.8	9966.9	1375.9	9974.3	1376.0	9974.8
GR	1376.0	9980.7	1373.3	9991.8	1373.3	9996.1	1373.1	9997.0	1373.9	10000.0
GR	1375.1	10006.9	1376.7	10010.7	1376.7	10017.3	1376.2	10033.0	1376.1	10048.8
GR	1376.0	10063.3	1376.1	10075.8	1376.1	10083.3	0.0	0.0	0.0	0.0

X1	86.00	27	9982.5	10013.9	54	42	48			
GR	1377.3	9890.8	1377.2	9902.9	1377.2	9919.3	1377.3	9930.1	1376.0	9935.9
GR	1375.6	9940.4	1375.5	9944.1	1375.8	9949.3	1375.9	9954.2	1375.7	9963.1
GR	1375.9	9967.4	1376.7	9972.9	1377.3	9978.6	1377.2	9982.5	1376.7	9986.1
GR	1373.1	9997.9	1372.9	10000.0	1372.8	10006.6	1376.7	10013.9	1376.8	10021.3
GR	1376.8	10033.7	1376.9	10039.3	1376.7	10044.3	1376.2	10051.9	1376.2	10065.6
GR	1376.3	10074.4	1376.5	10078.1	0.0	0.0	0.0	0.0	0.0	0.0
X1	87.00	32	9983.7	10026.6	51	51	50			
GR	1378.0	9853.8	1378.1	9865.5	1378.1	9881.3	1377.9	9892.0	1377.8	9900.2
GR	1377.6	9905.0	1377.0	9911.6	1376.0	9918.9	1375.2	9924.9	1375.1	9928.1
GR	1375.3	9932.9	1375.3	9940.1	1375.0	9947.9	1374.8	9953.9	1374.7	9963.8
GR	1374.3	9970.0	1374.3	9972.6	1375.9	9979.3	1376.5	9983.7	1376.4	9987.1
GR	1375.2	9992.2	1372.9	9995.2	1373.2	10000.0	1373.4	10002.0	1375.0	10014.8
GR	1376.3	10020.8	1376.8	10026.6	1376.5	10043.2	1376.4	10059.3	1376.8	10074.6
GR	1377.0	10089.3	1377.1	10098.1	0.0	0.0	0.0	0.0	0.0	0.0
X1	88.00	36	9946.5	10027.0	17	17	17			
GR	1378.3	9852.7	1378.6	9856.7	1379.3	9860.7	1379.3	9863.1	1378.7	9866.3
GR	1379.1	9869.1	1378.3	9872.1	1378.3	9882.2	1377.9	9888.9	1377.0	9897.7
GR	1376.2	9907.0	1375.6	9915.3	1375.1	9920.5	1375.3	9922.9	1375.5	9930.1
GR	1375.5	9938.0	1375.0	9946.5	1374.8	9954.0	1374.5	9963.2	1374.2	9973.5
GR	1374.0	9976.0	1373.7	9977.4	1374.2	9980.6	1373.7	9987.7	1373.5	9997.8
GR	1373.2	10000.0	1373.4	10006.5	1374.2	10014.0	1375.6	10021.5	1376.5	10027.0
GR	1376.7	10037.6	1376.8	10052.1	1376.8	10067.5	1376.9	10083.1	1377.3	10090.4
GR	1377.5	10100.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	6	53	99	131	205	287	365			
X1	89.00	23	9948.8	10062.1	17	17	17			
GR	1376.9	9908.2	1376.5	9920.7	1376.2	9935.2	1375.3	9948.8	1375.5	9956.5
GR	1375.7	9965.1	1375.7	9977.2	1375.6	9990.5	1375.3	10000.0	1374.8	10011.8
GR	1374.1	10027.5	1373.5	10042.8	1373.3	10051.8	1373.2	10055.6	1373.3	10062.1
GR	1373.5	10069.8	1374.0	10078.5	1374.9	10088.3	1375.7	10096.3	1376.3	10108.8
GR	1376.7	10119.4	1377.1	10132.3	1377.5	10152.8	0.0	0.0	0.0	0.0
X1	90.00	28	9925.4	10042.1	16	16	16			
GR	1376.3	9853.7	1376.4	9861.6	1376.6	9872.5	1376.6	9882.0	1376.1	9894.9
GR	1375.8	9909.5	1375.6	9925.4	1375.3	9938.8	1374.7	9949.3	1374.5	9955.1
GR	1374.0	9958.0	1374.2	9965.0	1374.5	9975.6	1374.3	9990.9	1373.3	9993.5
GR	1373.2	9997.6	1373.3	10000.0	1373.3	10003.3	1374.0	10006.3	1374.8	10010.5
GR	1374.8	10017.0	1374.0	10019.9	1374.2	10024.3	1375.6	10042.1	1376.6	10057.4
GR	1376.9	10075.8	1377.1	10091.2	1376.9	10094.2	0.0	0.0	0.0	0.0
X1	91.00	30	9974.0	10024.5	20	17	16			
GR	1376.8	9864.7	1376.6	9875.1	1376.5	9891.6	1376.0	9907.1	1375.6	9925.2
GR	1375.8	9938.8	1375.4	9950.1	1376.0	9953.9	1377.9	9958.2	1377.8	9965.7
GR	1378.4	9974.0	1378.3	9980.7	1378.2	9986.7	1377.6	9990.8	1375.3	9994.6
GR	1373.1	9998.9	1373.1	10000.0	1373.2	10001.9	1374.7	10005.0	1374.8	10010.9
GR	1374.5	10014.5	1376.3	10020.0	1377.1	10024.5	1376.5	10030.1	1377.2	10034.8
GR	1378.1	10040.3	1378.3	10055.4	1378.2	10065.2	1377.6	10074.7	1377.4	10100.0

X1	92.00	43	9962.6	10000.0	46	49	49			
GR	1378.6	9869.9	1378.6	9881.1	1377.7	9884.6	1377.9	9888.8	1377.9	9895.3
GR	1378.5	9899.0	1378.5	9904.0	1377.7	9907.9	1377.4	9911.5	1377.2	9917.4
GR	1377.1	9923.4	1376.7	9924.2	1377.2	9932.6	1377.2	9938.4	1377.1	9946.1
GR	1377.2	9948.8	1377.8	9952.8	1378.3	9956.3	1378.3	9962.6	1377.9	9969.4
GR	1377.5	9977.9	1376.9	9985.5	1375.9	9992.4	1375.0	9995.4	1373.6	9997.5
GR	1373.6	9998.6	1373.6	9999.4	1374.2	10000.0	1375.1	10002.3	1375.9	10006.6
GR	1376.7	10012.7	1376.8	10013.0	1377.1	10020.7	1376.9	10027.2	1376.9	10029.4
GR	1377.4	10034.9	1377.5	10038.6	1379.0	10044.6	1377.7	10048.1	1377.8	10058.4
GR	1377.8	10075.0	1377.9	10092.9	1378.0	10099.9	0.0	0.0	0.0	0.0
X1	93.00	35	9961.6	10019.9	53	47	50			
GR	1380.3	9872.5	1380.0	9878.8	1380.0	9882.2	1379.9	9886.9	1378.7	9893.2
GR	1378.0	9900.9	1377.9	9908.3	1378.1	9914.3	1378.0	9919.0	1377.8	9923.0
GR	1377.4	9926.9	1377.0	9927.3	1377.3	9933.2	1377.6	9941.2	1377.5	9949.5
GR	1377.8	9950.7	1378.6	9955.6	1378.7	9961.6	1378.4	9967.9	1378.0	9974.5
GR	1377.4	9980.6	1375.4	9995.0	1375.1	9997.6	1374.1	9999.1	1374.1	10000.0
GR	1374.5	10002.5	1377.0	10006.8	1377.3	10011.8	1378.2	10019.9	1378.6	10026.1
GR	1378.3	10047.7	1378.2	10062.6	1378.3	10083.4	1378.3	10099.6	1378.3	10099.6
X1	94.00	34	9962.4	10024.7	55	42	50			
GR	1382.1	9877.9	1383.8	9882.3	1380.7	9889.2	1379.0	9894.5	1378.4	9901.2
GR	1378.0	9912.6	1378.2	9921.3	1378.0	9925.1	1377.7	9937.1	1377.4	9937.9
GR	1377.7	9945.8	1377.9	9960.8	1378.2	9962.4	1379.3	9967.9	1379.2	9972.1
GR	1377.6	9984.8	1376.0	9993.9	1375.2	9997.0	1375.0	9999.9	1374.9	10000.0
	1375.0	10001.7	1376.9	10008.1	1378.4	10012.3	1377.9	10017.5	1376.6	10024.7
GR	1376.5	10029.7	1377.8	10035.0	1379.1	10039.9	1378.9	10044.9	1378.1	10050.1
GR	1378.0	10057.4	1378.0	10067.2	1378.6	10083.7	1379.1	10100.2	0.0	0.0
X1	95.00	33	10084.1	10134.2	42	46	50			
GR	1379.6	10000.0	1379.5	10008.6	1378.9	10020.2	1378.5	10031.4	1378.4	10042.4
GR	1378.4	10049.0	1378.0	10052.9	1378.1	10058.7	1377.8	10059.3	1378.1	10070.6
GR	1378.1	10077.5	1378.0	10082.0	1378.3	10084.1	1379.4	10088.3	1379.5	10090.5
GR	1379.4	10091.1	1379.1	10094.9	1378.7	10099.6	1378.1	10104.6	1374.7	10107.2
GR	1374.5	10109.4	1374.8	10110.3	1376.5	10114.2	1376.9	10118.3	1377.1	10121.6
GR	1378.1	10124.8	1378.4	10134.2	1378.4	10136.5	1378.4	10147.4	1378.6	10163.3
GR	1378.9	10175.2	1379.1	10189.9	1379.2	10211.0	0.0	0.0	0.0	0.0
X1	96.00	29	9991.9	10027.4	52	48	51			
GR	1380.3	9898.5	1380.1	9904.7	1379.5	9911.1	1379.1	9922.4	1378.8	9933.5
GR	1378.7	9944.8	1378.5	9956.0	1378.2	9956.3	1378.4	9962.2	1378.5	9972.2
GR	1378.6	9979.5	1378.6	9981.6	1378.7	9984.2	1379.4	9987.2	1379.8	9991.9
GR	1377.4	9994.9	1376.8	9998.0	1375.6	9999.2	1375.7	10000.0	1375.8	10002.5
GR	1377.0	10005.0	1377.9	10008.9	1378.2	10014.1	1378.6	10027.4	1378.9	10043.2
GR	1379.4	10058.3	1379.6	10074.8	1379.6	10094.1	1379.6	10100.6	0.0	0.0
X1	97.00	26	9988.1	10020.3	40	52	50			
GR	1380.4	9899.0	1380.0	9910.8	1379.7	9926.2	1379.4	9941.1	1379.2	9950.3
GR	1379.0	9957.6	1379.0	9958.1	1378.6	9958.5	1378.8	9967.2	1378.9	9978.0
GR	1378.9	9983.3	1379.9	9988.1	1379.1	9991.9	1376.7	9995.7	1376.5	10000.0
	1376.5	10001.1	1377.4	10004.6	1377.8	10010.0	1379.0	10016.2	1379.3	10020.3
GR	1379.7	10027.9	1379.8	10042.1	1379.8	10056.2	1379.9	10073.0	1380.1	10087.3
GR	1380.2	10100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	98.00	27	9989.9	10027.8	50	50	50			
GR	1381.2	9903.0	1381.0	9909.2	1380.4	9910.2	1380.1	9921.2	1380.2	9932.4
GR	1380.0	9938.3	1379.5	9939.0	1379.4	9945.4	1379.5	9954.4	1379.4	9961.7
GR	1378.9	9962.4	1379.2	9969.6	1379.1	9979.0	1379.1	9984.6	1379.1	9985.7
GR	1379.3	9989.9	1377.9	9993.2	1376.9	9999.4	1377.0	10000.0	1377.0	10005.4
GR	1378.1	10015.8	1379.1	10027.8	1379.2	10041.1	1380.1	10053.1	1380.4	10068.6
GR	1380.5	10083.5	1380.4	10099.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	99.00	25	9989.2	10000.0	50	48	50			
GR	1382.1	9901.0	1382.0	9908.9	1381.1	9918.5	1380.2	9927.9	1379.8	9937.3
GR	1379.8	9946.1	1379.6	9959.4	1379.3	9960.1	1379.5	9969.4	1379.5	9980.6
GR	1379.6	9984.0	1381.0	9986.6	1381.1	9989.2	1378.7	9994.5	1377.6	9997.8
GR	1377.5	10000.0	1377.4	10002.6	1378.9	10008.7	1379.8	10014.7	1380.4	10025.1
GR	1380.5	10035.0	1380.2	10045.9	1380.7	10061.3	1380.7	10079.5	1380.8	10098.0
X1	100.00	23	9989.4	10000.0	46	52	50			
GR	1382.6	9907.0	1382.3	9916.1	1381.4	9927.7	1380.8	9941.6	1380.5	9956.4
GR	1380.1	9963.9	1380.0	9964.9	1379.6	9965.7	1379.9	9974.4	1380.0	9986.4
GR	1380.0	9989.4	1379.4	9993.6	1378.3	9996.9	1378.0	9998.7	1378.0	10000.0
GR	1379.3	10004.0	1379.5	10012.4	1380.1	10020.8	1380.7	10036.8	1380.4	10058.2
GR	1381.1	10075.6	1381.1	10089.1	1380.9	10097.1	0.0	0.0	0.0	0.0
X1	101.00	26	9960.4	10036.1	50	49	49			
GR	1381.5	9919.0	1381.5	9931.9	1381.3	9946.8	1381.1	9960.4	1380.9	9970.1
GR	1380.5	9975.1	1379.9	9976.3	1380.4	9985.0	1380.5	9993.9	1380.5	10000.0
[illegible]	1380.0	10003.8	1379.3	10007.7	1379.2	10011.0	1379.2	10019.0	1379.8	10022.8
GR	1380.2	10027.9	1381.1	10030.2	1380.2	10036.1	1378.9	10041.2	1379.1	10045.3
GR	1380.1	10053.0	1381.2	10060.5	1381.1	10076.4	1381.3	10091.5	1381.3	10108.9
GR	1381.3	10113.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	102.00	24	9959.9	10030.8	51	50	51			
GR	1381.4	9917.0	1381.1	9942.6	1381.1	9959.9	1380.7	9960.8	1380.3	9973.5
GR	1380.3	9976.1	1380.6	9981.4	1380.8	9988.5	1380.8	9995.9	1380.6	10000.0
GR	1380.3	10006.1	1379.5	10009.5	1379.3	10011.8	1379.2	10015.1	1379.1	10019.2
GR	1380.0	10021.6	1380.5	10026.6	1381.0	10030.8	1381.1	10033.4	1381.5	10042.9
GR	1381.1	10065.0	1381.3	10081.4	1381.6	10099.9	1381.5	10114.0	0.0	0.0
X1	103.00	26	9935.6	10027.8	50	50	50			
GR	1383.9	9918.0	1383.7	9928.5	1383.6	9935.6	1382.5	9946.0	1381.6	9958.3
GR	1381.4	9967.3	1381.1	9974.9	1380.7	9974.9	1380.9	9980.8	1381.1	9988.8
GR	1381.0	9998.2	1381.0	10000.0	1380.7	10005.6	1380.0	10011.0	1379.2	10012.3
GR	1379.1	10017.9	1378.9	10020.5	1380.6	10022.3	1381.2	10027.8	1381.5	10033.4
GR	1381.6	10046.6	1381.4	10059.0	1381.4	10076.6	1381.9	10090.6	1381.8	10104.2
GR	1381.6	10113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	104.00	25	9958.6	10028.8	50	50	50			
GR	1383.7	9919.0	1382.8	9934.7	1382.7	9945.3	1382.6	9958.6	1381.9	9975.4
GR	1381.4	9976.1	1381.8	9982.4	1382.0	9990.4	1381.7	9999.9	1381.6	10000.0
GR	1381.3	10006.1	1380.9	10010.8	1380.4	10012.8	1378.8	10014.5	1379.0	10016.6
GR	1380.9	10020.3	1381.6	10024.5	1382.2	10028.8	1382.4	10035.1	1382.5	10046.5
[illegible]	1382.4	10060.9	1382.5	10077.3	1382.3	10094.4	1382.4	10113.5	1382.3	10115.0

X1	105.00	26	9950.4	10033.9	50	50	50			
GR	1383.2	9919.0	1383.1	9928.0	1382.8	9932.8	1382.9	9938.9	1382.8	9950.4
GR	1382.7	9959.9	1382.2	9975.1	1382.0	9976.4	1382.3	9983.4	1382.3	9989.8
GR	1382.2	9998.0	1382.1	10000.0	1381.5	10012.0	1381.2	10015.5	1380.3	10018.0
GR	1381.1	10019.5	1382.0	10022.6	1382.6	10028.3	1383.0	10033.9	1383.0	10040.9
GR	1382.8	10055.7	1382.9	10073.0	1382.7	10085.6	1382.5	10094.4	1382.6	10108.2
GR	1382.5	10116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	106.00	25	9966.4	10032.8	51	50	50			
GR	1383.0	9920.0	1382.9	9930.0	1382.8	9940.1	1382.9	9952.3	1383.1	9959.8
GR	1383.1	9966.4	1382.6	9975.6	1382.3	9976.4	1382.5	9981.1	1382.6	9988.6
GR	1382.5	9997.6	1382.3	10000.0	1382.2	10008.9	1382.1	10012.3	1381.2	10018.0
GR	1381.2	10019.3	1381.9	10022.6	1382.6	10026.3	1383.2	10032.8	1383.0	10038.7
GR	1383.0	10054.1	1382.8	10073.7	1382.6	10091.1	1382.8	10113.6	1382.6	10117.0
X1	107.00	27	9958.9	10027.2	56	50	50			
GR	1384.1	9920.0	1383.5	9949.7	1383.7	9953.2	1384.8	9957.1	1384.6	9958.9
GR	1383.3	9959.5	1383.0	9969.2	1382.7	9973.4	1382.7	9974.9	1382.6	9976.2
GR	1382.9	9983.9	1382.8	9991.2	1382.7	10000.0	1382.5	10008.3	1381.9	10013.4
GR	1381.6	10015.9	1381.8	10019.8	1382.1	10023.1	1382.7	10027.2	1383.4	10034.1
GR	1383.3	10042.2	1383.3	10055.8	1383.5	10064.8	1382.9	10074.9	1382.8	10088.8
GR	1382.7	10106.1	1382.7	10117.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	108.00	28	9975.2	10022.3	77	50	50			
GR	1383.5	9920.0	1383.4	9932.2	1384.0	9936.9	1384.1	9939.5	1384.0	9943.2
GR	1383.8	9946.4	1383.4	9948.6	1383.5	9956.6	1383.5	9967.7	1383.4	9975.2
GR	1383.0	9975.9	1383.2	9983.4	1383.2	9989.1	1383.1	9997.6	1383.2	10000.0
GR	1383.0	10013.1	1382.9	10021.4	1383.3	10022.3	1383.4	10028.2	1383.1	10033.6
GR	1383.3	10038.4	1383.7	10042.4	1383.9	10049.4	1383.4	10059.0	1382.9	10072.8
GR	1382.6	10090.6	1382.5	10109.6	1382.3	10118.0	0.0	0.0	0.0	0.0
X1	109.00	30	9975.5	10021.9	61	50	50			
GR	1385.1	9920.0	1384.0	9930.4	1383.9	9941.6	1383.6	9952.9	1383.9	9964.8
GR	1383.9	9971.1	1383.8	9974.7	1383.4	9975.5	1383.5	9981.3	1383.7	9989.7
GR	1383.5	9999.1	1383.6	10000.0	1383.5	10011.6	1383.3	10021.4	1383.6	10021.9
GR	1383.7	10026.6	1383.9	10029.9	1383.8	10036.3	1383.6	10044.6	1382.9	10051.9
GR	1382.3	10058.2	1382.3	10063.6	1382.6	10068.6	1383.2	10074.2	1383.9	10081.4
GR	1384.2	10089.5	1384.0	10097.4	1384.5	10106.3	1385.0	10117.1	1385.1	10119.0
X1	110.00	31	9975.2	10021.6	51	50	50			
GR	1384.9	9933.3	1384.7	9949.1	1384.4	9953.5	1384.3	9959.6	1384.4	9965.7
GR	1384.2	9970.6	1384.2	9974.2	1383.9	9975.2	1384.0	9981.1	1384.1	9989.7
GR	1384.0	10000.0	1383.8	10009.8	1383.7	10020.9	1384.0	10021.6	1384.0	10025.9
GR	1384.6	10030.3	1385.1	10035.9	1386.0	10040.3	1386.4	10043.6	1386.5	10046.9
GR	1385.9	10052.2	1384.8	10058.4	1384.1	10063.2	1384.0	10068.3	1384.4	10073.9
GR	1385.3	10080.2	1386.4	10089.6	1387.6	10098.8	1388.3	10107.5	1388.9	10118.0
GR	1388.9	10119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	111.00	36	9974.1	10021.4	50	51	50			
GR	1384.9	9919.0	1385.1	9929.2	1384.8	9944.2	1384.7	9944.7	1384.7	9952.5
GR	1384.3	9957.6	1384.5	9961.9	1384.6	9968.7	1384.4	9974.1	1384.0	9974.6
GR	1384.3	9980.6	1384.4	9990.7	1384.3	10000.0	1384.2	10010.4	1384.1	10020.6
GR	1384.3	10021.4	1384.5	10025.5	1384.8	10029.1	1385.6	10035.1	1386.2	10039.3
GR	1386.6	10041.5	1386.5	10044.1	1386.1	10048.9	1385.0	10056.2	1384.4	10063.0
GR	1384.5	10068.8	1385.5	10074.4	1386.6	10081.3	1388.2	10088.5	1389.4	10095.8
GR	1390.5	10102.6	1391.4	10106.6	1391.8	10113.6	1391.0	10118.9	1390.1	10120.2
GR	1389.5	10121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	112.00	29	9976.2	10022.1	50	50	50			
GR	1385.0	9920.0	1384.9	9931.1	1384.7	9948.8	1384.6	9964.4	1384.4	9976.2
GR	1384.6	9984.5	1384.7	9994.8	1384.7	10000.0	1384.6	10010.8	1384.2	10021.5
GR	1384.5	10022.1	1384.5	10026.4	1385.0	10031.7	1385.7	10037.4	1386.2	10041.4
GR	1386.5	10043.9	1386.2	10047.7	1385.3	10053.4	1384.7	10058.8	1385.0	10062.6
GR	1385.1	10069.6	1385.7	10074.3	1387.0	10085.6	1388.5	10092.3	1389.8	10098.2
GR	1390.2	10103.8	1390.5	10109.6	1390.6	10116.1	1389.6	10122.0	0.0	0.0

T 5 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	3	0	0	.01	0	0.3	0	1352.5	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2	0	-1							

10 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	4	0	0	.01	0	0.3	0	1353.0	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3	0	-1							

25 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	5	0	0	.01	0	0.3	0	1353.5	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	4	0	-1							

50 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	6	0	0	.01	0	0.3	0	1354.0	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	5	0	-1							

T[illegible] 100 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	7	0	0	.01	0	0.3	0	1354.5	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	6	0	-1							

THIS RUN EXECUTED 03NOV94 13:05:21

****
HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

2 YR STORM

SUMMARY PRINTOUT

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	1.000	106.00	.00	106.00	.00	1351.40	9984.60	10005.52	1.70	1353.10	1353.10	20.00
*	1.000	217.00	.00	217.00	.00	1351.40	9982.10	10009.22	2.33	1353.73	1353.73	20.00
*	1.000	290.00	.00	290.00	.00	1351.40	9980.63	10011.45	2.64	1354.04	1354.04	20.00
*	1.000	416.00	.00	409.77	6.23	1351.40	9977.70	10100.90	3.20	1354.60	1354.60	20.00
*	1.000	539.00	.00	507.18	31.82	1351.40	9975.45	10100.90	3.54	1354.94	1354.94	20.00
*	1.000	674.00	.00	609.48	64.52	1351.40	9973.80	10100.90	3.79	1355.19	1355.19	20.00
*	2.000	106.00	.00	106.00	.00	1351.80	9988.51	10010.86	1.90	1353.70	1353.70	20.00
*	2.000	217.00	.00	217.00	.00	1351.80	9985.92	10014.03	2.47	1354.27	1354.27	20.00
*	2.000	290.00	.00	290.00	.00	1351.80	9984.59	10015.46	2.76	1354.56	1354.56	20.00
*	2.000	416.00	.00	416.00	.00	1351.80	9982.64	10017.57	3.19	1354.99	1354.99	20.00
*	2.000	539.00	.00	539.00	.00	1351.80	9981.02	10019.41	3.55	1355.35	1355.35	20.00
*	2.000	674.00	.00	674.00	.00	1351.80	9977.86	10022.16	3.95	1355.75	1355.75	20.00
*	4.000	106.00	.00	106.00	.00	1351.60	9994.00	10006.00	2.52	1354.12	.00	20.00
*	4.000	217.00	.00	217.00	.00	1351.60	9994.00	10006.00	2.84	1354.44	.00	20.00
*	4.000	290.00	.00	290.00	.00	1351.60	9994.00	10006.00	3.04	1354.64	.00	20.00
*	4.000	416.00	.00	416.00	.00	1351.60	9994.00	10006.00	3.52	1355.12	.00	20.00
*	4.000	539.00	.00	539.00	.00	1351.60	9994.00	10006.00	3.96	1355.56	1355.56	20.00
*	4.000	674.00	.00	674.00	.00	1351.60	9994.00	10006.00	4.60	1356.20	1356.20	20.00
	5.000	106.00	.00	106.00	.00	1352.30	9994.00	10006.00	2.16	1354.46	.00	20.00
	5.000	217.00	.00	217.00	.00	1352.30	9994.00	10006.00	3.23	1355.53	.00	20.00
*	5.000	290.00	.00	290.00	.00	1352.30	9994.00	10006.00	4.80	1357.10	.00	20.00
*	5.000	416.00	128.89	197.10	90.01	1352.30	9900.40	10101.50	5.70	1358.00	.00	20.00
*	5.000	539.00	174.08	238.03	126.90	1352.30	9900.40	10101.50	5.88	1358.18	.00	20.00
*	5.000	674.00	227.34	273.58	173.08	1352.30	9900.40	10101.50	6.12	1358.42	.00	20.00
	6.000	106.00	.00	106.00	.00	1352.80	9984.55	10011.32	1.82	1354.62	.00	20.00
*	6.000	217.00	.00	217.00	.00	1352.80	9975.69	10013.92	3.15	1355.95	.00	20.00
*	6.000	290.00	27.35	230.47	32.18	1352.80	9901.70	10099.80	4.70	1357.50	.00	20.00
	6.000	416.00	59.02	288.77	68.21	1352.80	9901.70	10099.80	5.24	1358.04	.00	20.00
	6.000	539.00	83.29	359.59	96.12	1352.80	9901.70	10099.80	5.43	1358.23	.00	20.00
	6.000	674.00	113.43	429.79	130.77	1352.80	9901.70	10099.80	5.67	1358.47	.00	20.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	7.000	106.00	.00	106.00	.00	1353.30	9984.53	10016.84	1.31	1354.61	.00	20.00
	7.000	217.00	.00	217.00	.00	1353.30	9972.07	10024.70	2.69	1355.99	.00	20.00
	7.000	290.00	26.62	221.93	41.45	1353.30	9907.18	10101.50	4.21	1357.51	.00	20.00
	7.000	416.00	52.49	288.61	74.90	1353.30	9902.47	10101.50	4.76	1358.06	.00	20.00
	7.000	539.00	73.54	363.12	102.34	1353.30	9900.70	10101.50	4.95	1358.25	.00	20.00
	7.000	674.00	99.71	439.29	135.00	1353.30	9900.70	10101.50	5.19	1358.49	.00	20.00
*	8.000	106.00	.00	106.00	.00	1353.70	9983.66	10016.57	1.07	1354.77	1354.77	20.00
	8.000	217.00	.00	217.00	.00	1353.70	9971.62	10025.97	2.30	1356.00	.00	20.00
	8.000	290.00	14.74	224.53	50.73	1353.70	9922.11	10100.60	3.82	1357.52	.00	20.00
	8.000	416.00	33.69	293.42	88.89	1353.70	9901.20	10100.60	4.36	1358.06	.00	20.00
	8.000	539.00	49.51	369.14	120.35	1353.70	9901.20	10100.60	4.55	1358.25	.00	20.00
	8.000	674.00	70.50	446.33	157.17	1353.70	9901.20	10100.60	4.79	1358.49	.00	20.00
*	9.000	106.00	.00	106.00	.00	1354.00	9983.11	10020.07	1.15	1355.15	.00	20.00
	9.000	217.00	.00	216.36	.64	1354.00	9977.71	10100.40	2.04	1356.04	.00	20.00
	9.000	290.00	.00	232.97	57.03	1354.00	9962.54	10100.40	3.52	1357.52	.00	20.00
	9.000	416.00	.00	315.22	100.78	1354.00	9956.57	10100.40	4.06	1358.06	.00	20.00
	9.000	539.00	.00	401.89	137.11	1354.00	9954.45	10100.40	4.25	1358.25	.00	20.00
	9.000	674.00	.59	495.63	177.78	1354.00	9932.02	10100.40	4.49	1358.49	.00	20.00
	10.000	106.00	.00	106.00	.00	1354.00	9979.78	10016.06	1.27	1355.27	.00	20.00
	10.000	217.00	.00	215.95	1.05	1354.00	9967.02	10100.00	2.09	1356.09	.00	20.00
	10.000	290.00	.00	232.21	57.79	1354.00	9932.19	10100.00	3.53	1357.53	.00	20.00
	10.000	416.00	.00	318.24	97.76	1354.00	9919.03	10100.00	4.07	1358.07	.00	20.00
	10.000	539.00	.00	407.50	131.50	1354.00	9914.04	10100.00	4.27	1358.27	.00	20.00
	10.000	674.00	.00	503.93	170.07	1354.00	9908.11	10100.00	4.52	1358.52	.00	20.00
	11.000	106.00	.00	106.00	.00	1354.30	9982.20	10019.30	1.12	1355.42	.00	20.00
	11.000	217.00	.00	213.87	3.13	1354.30	9977.27	10106.00	1.84	1356.14	.00	20.00
	11.000	290.00	.00	212.56	77.44	1354.30	9965.58	10106.00	3.23	1357.53	.00	20.00
	11.000	416.00	3.72	287.52	124.76	1354.30	9906.20	10106.00	3.77	1358.07	.00	20.00
	11.000	539.00	10.18	365.21	163.61	1354.30	9906.20	10106.00	3.97	1358.27	.00	20.00
	11.000	674.00	21.48	446.10	206.41	1354.30	9906.20	10106.00	4.21	1358.52	.00	20.00
	12.000	106.00	.00	106.00	.00	1354.20	9971.26	10013.27	1.55	1355.75	.00	20.00
	12.000	217.00	.00	201.73	15.27	1354.20	9962.80	10100.20	2.12	1356.32	.00	20.00
	12.000	290.00	1.83	218.47	69.69	1354.20	9932.86	10100.20	3.35	1357.55	.00	20.00
	12.000	416.00	9.54	299.97	106.49	1354.20	9900.40	10100.20	3.89	1358.09	.00	20.00
	12.000	539.00	17.43	382.15	139.42	1354.20	9900.40	10100.20	4.09	1358.29	.00	20.00
	12.000	674.00	29.53	468.68	175.79	1354.20	9900.40	10100.20	4.33	1358.53	.00	20.00
	13.000	106.00	.00	106.00	.00	1354.80	9965.85	10012.88	1.15	1355.95	.00	20.00
	13.000	217.00	.00	213.79	3.20	1354.80	9953.67	10101.50	1.64	1356.44	1356.32	20.00
	13.000	290.00	1.92	226.97	61.10	1354.80	9900.70	10101.50	2.75	1357.55	.00	20.00
	13.000	416.00	10.36	311.39	94.25	1354.80	9900.70	10101.50	3.29	1358.09	.00	20.00
	13.000	539.00	16.49	398.48	124.03	1354.80	9900.70	10101.50	3.50	1358.30	.00	20.00
	13.000	674.00	24.64	492.04	157.33	1354.80	9900.70	10101.50	3.75	1358.55	.00	20.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	14.000	106.00	.00	106.00	.00	1353.90	9977.38	10023.22	2.34	1356.24	.00	20.00
*	14.000	217.00	.00	215.85	1.15	1353.90	9974.11	10106.80	2.72	1356.62	.00	20.00
	14.000	290.00	.00	253.30	36.70	1353.90	9962.03	10106.80	3.65	1357.55	.00	20.00
	14.000	416.00	.00	336.46	79.54	1353.90	9941.39	10106.80	4.19	1358.09	.00	20.00
	14.000	539.00	.00	428.84	110.16	1353.90	9937.20	10106.80	4.39	1358.29	.00	20.00
	14.000	674.00	.00	527.70	146.30	1353.90	9932.09	10106.80	4.64	1358.54	.00	20.00
	15.000	106.00	.00	106.00	.00	1354.00	9980.59	10021.53	2.28	1356.28	.00	20.00
	15.000	217.00	.00	216.57	.43	1354.00	9979.70	10112.30	2.68	1356.68	.00	20.00
	15.000	290.00	.00	255.24	34.76	1354.00	9976.49	10112.30	3.56	1357.56	.00	20.00
	15.000	416.00	.00	338.02	77.98	1354.00	9970.98	10112.30	4.09	1358.09	.00	20.00
	15.000	539.00	.00	426.87	112.13	1354.00	9967.79	10112.30	4.29	1358.29	.00	20.00
	15.000	674.00	.00	519.66	154.34	1354.00	9963.88	10112.30	4.54	1358.54	.00	20.00
	16.000	106.00	.00	106.00	.00	1354.30	9988.00	10012.00	1.98	1356.28	.00	20.00
	16.000	217.00	.00	217.00	.00	1354.30	9988.00	10012.00	2.35	1356.65	.00	20.00
*	16.000	290.00	.00	290.00	.00	1354.30	9988.00	10012.00	3.18	1357.48	.00	20.00
*	16.000	416.00	.00	416.00	.00	1354.30	9988.00	10012.00	3.65	1357.95	.00	20.00
*	16.000	539.00	.00	539.00	.00	1354.30	9988.00	10012.00	3.76	1358.06	.00	20.00
*	16.000	674.00	.00	674.00	.00	1354.30	9988.00	10012.00	3.88	1358.18	.00	20.00
	17.000	106.00	.00	106.00	.00	1354.50	9988.00	10012.00	1.82	1356.32	.00	20.00
	17.000	217.00	.00	217.00	.00	1354.50	9988.00	10012.00	2.31	1356.81	.00	20.00
	17.000	290.00	.00	290.00	.00	1354.50	9988.00	10012.00	3.20	1357.70	.00	20.00
	17.000	416.00	.00	416.00	.00	1354.50	9988.00	10012.00	4.08	1358.58	.00	20.00
*	17.000	539.00	.00	539.00	.00	1354.50	9988.00	10012.00	4.75	1359.25	.00	20.00
*	17.000	674.00	103.20	476.26	94.54	1354.50	9947.00	10100.00	5.40	1359.90	.00	20.00
*	18.000	69.00	.00	69.00	.00	1354.90	9993.13	10005.06	1.25	1356.15	1356.15	20.00
*	18.000	139.00	.00	139.00	.00	1354.90	9992.18	10006.16	1.88	1356.78	1356.78	20.00
*	18.000	184.00	.00	184.00	.00	1354.90	9991.07	10078.94	2.61	1357.51	.00	20.00
*	18.000	263.00	10.27	157.72	95.01	1354.90	9901.00	10101.00	3.92	1358.82	.00	20.00
	18.000	340.00	57.21	139.27	143.52	1354.90	9901.00	10101.00	4.70	1359.60	.00	20.00
	18.000	425.00	91.27	149.88	183.85	1354.90	9901.00	10101.00	5.15	1360.05	.00	20.00
*	19.000	69.00	.00	69.00	.00	1355.00	9992.05	10005.28	1.55	1356.55	.00	20.00
*	19.000	139.00	.00	139.00	.00	1355.00	9990.94	10006.46	2.26	1357.26	.00	20.00
	19.000	184.00	.00	184.00	.00	1355.00	9990.28	10071.57	2.68	1357.68	.00	20.00
	19.000	263.00	6.11	183.76	73.13	1355.00	9912.39	10100.00	3.80	1358.80	.00	20.00
	19.000	340.00	54.95	155.43	129.63	1355.00	9901.00	10100.00	4.60	1359.60	.00	20.00
	19.000	425.00	90.16	164.51	170.33	1355.00	9901.00	10100.00	5.05	1360.05	.00	20.00
	20.000	69.00	.00	69.00	.00	1355.10	9992.07	10005.16	1.55	1356.65	.00	20.00
	20.000	139.00	.00	139.00	.00	1355.10	9990.92	10006.27	2.26	1357.36	.00	20.00
	20.000	184.00	.00	184.00	.00	1355.10	9990.25	10006.91	2.67	1357.77	.00	20.00
*	20.000	263.00	.00	175.14	87.86	1355.10	9952.27	10101.00	3.75	1358.85	.00	20.00
	20.000	340.00	.00	195.59	144.41	1355.10	9939.33	10101.00	4.51	1359.61	.00	20.00
	20.000	425.00	1.70	238.58	184.72	1355.10	9900.00	10101.00	4.96	1360.06	.00	20.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
	21.000	69.00	.00	69.00	.00	1355.10	9992.50	10005.50	1.70	1356.80	.00	20.00
	21.000	139.00	.00	139.00	.00	1355.10	9991.31	10006.69	2.42	1357.52	.00	20.00
	21.000	184.00	.00	184.00	.00	1355.10	9990.66	10083.88	2.81	1357.91	.00	20.00
	21.000	263.00	.00	239.19	23.80	1355.10	9989.21	10101.00	3.69	1358.79	1357.90	20.00
	21.000	340.00	19.72	212.01	108.27	1355.10	9901.00	10101.00	4.49	1359.59	.00	20.00
	21.000	425.00	56.98	211.25	156.78	1355.10	9901.00	10101.00	4.95	1360.05	.00	20.00
	22.000	69.00	.00	69.00	.00	1355.30	9991.76	10004.74	1.64	1356.94	.00	20.00
	22.000	139.00	.00	139.00	.00	1355.30	9990.64	10005.92	2.38	1357.68	.00	20.00
	22.000	184.00	.00	184.00	.00	1355.30	9990.05	10006.53	2.76	1358.06	.00	20.00
	22.000	263.00	.00	256.90	6.10	1355.30	9988.91	10100.00	3.50	1358.80	.00	20.00
	22.000	340.00	18.53	261.28	60.19	1355.30	9901.00	10100.00	4.24	1359.54	.00	20.00
	22.000	425.00	64.46	245.87	114.68	1355.30	9901.00	10100.00	4.74	1360.04	.00	20.00
	23.000	69.00	.00	69.00	.00	1355.50	9992.43	10005.25	1.55	1357.05	.00	20.00
	23.000	139.00	.00	139.00	.00	1355.50	9991.31	10006.53	2.28	1357.78	.00	20.00
	23.000	184.00	.00	184.00	.00	1355.50	9990.73	10007.19	2.66	1358.16	.00	20.00
	23.000	263.00	.00	263.00	.00	1355.50	9989.70	10050.28	3.34	1358.84	.00	20.00
*	23.000	340.00	.34	332.40	7.26	1355.50	9958.85	10101.00	3.87	1359.37	1358.68	20.00
*	23.000	425.00	14.65	339.85	70.50	1355.50	9948.69	10101.00	4.41	1359.91	.00	20.00
	24.000	69.00	.00	69.00	.00	1355.60	9992.44	10004.86	1.57	1357.17	.00	20.00
	24.000	139.00	.00	139.00	.00	1355.60	9991.33	10006.01	2.28	1357.88	.00	20.00
	24.000	184.00	.00	184.00	.00	1355.60	9990.73	10006.62	2.66	1358.26	.00	20.00
	24.000	263.00	.00	263.00	.00	1355.60	9989.73	10007.66	3.30	1358.90	.00	20.00
	24.000	340.00	.00	340.00	.00	1355.60	9988.44	10008.44	3.78	1359.38	.00	20.00
*	24.000	425.00	.19	424.81	.00	1355.60	9987.07	10008.70	3.94	1359.54	.00	20.00
	25.000	69.00	.00	69.00	.00	1355.70	9991.81	10003.87	1.65	1357.35	.00	20.00
	25.000	139.00	.00	139.00	.00	1355.70	9990.75	10004.97	2.35	1358.05	.00	20.00
	25.000	184.00	.00	184.00	.00	1355.70	9990.23	10005.53	2.70	1358.40	.00	20.00
	25.000	263.00	.00	263.00	.00	1355.70	9989.34	10006.46	3.31	1359.01	.00	20.00
	25.000	340.00	.00	340.00	.00	1355.70	9988.63	10007.20	3.78	1359.48	.00	20.00
	25.000	425.00	.00	425.00	.00	1355.70	9988.32	10007.53	3.99	1359.69	.00	20.00
*	26.000	69.00	.00	69.00	.00	1356.10	9991.52	10002.87	1.32	1357.42	1357.42	20.00
	26.000	139.00	.00	139.00	.00	1356.10	9990.35	10003.94	1.99	1358.09	1358.08	20.00
	26.000	184.00	.00	184.00	.00	1356.10	9989.77	10004.47	2.34	1358.44	1358.42	20.00
	26.000	263.00	.00	263.00	.00	1356.10	9988.71	10005.45	2.95	1359.05	.00	20.00
	26.000	340.00	.00	340.00	.00	1356.10	9987.91	10006.17	3.41	1359.51	.00	20.00
*	26.000	425.00	.00	425.00	.00	1356.10	9987.47	10006.58	3.66	1359.76	1359.76	20.00
	27.000	69.00	.00	69.00	.00	1356.40	9992.07	10003.93	1.45	1357.85	.00	20.00
	27.000	139.00	.00	139.00	.00	1356.40	9990.98	10004.93	2.09	1358.49	.00	20.00
	27.000	184.00	.00	184.00	.00	1356.40	9990.41	10005.46	2.44	1358.84	.00	20.00
	27.000	263.00	.00	263.00	.00	1356.40	9989.67	10006.14	2.88	1359.28	.00	20.00
	27.000	340.00	.00	340.00	.00	1356.40	9988.96	10006.79	3.31	1359.71	.00	20.00
*	27.000	425.00	.00	425.00	.00	1356.40	9988.38	10007.33	3.65	1360.05	1360.05	20.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	28.000	69.00	.00	69.00	.00	1356.30	9990.53	10006.52	1.91	1358.21	.00	20.00
*	28.000	139.00	.00	139.00	.00	1356.30	9989.24	10007.82	2.71	1359.01	.00	20.00
*	28.000	184.00	.00	184.00	.00	1356.30	9988.56	10008.49	3.13	1359.43	.00	20.00
*	28.000	263.00	.73	262.27	.00	1356.30	9901.00	10009.48	3.74	1360.04	.00	20.00
*	28.000	340.00	11.45	328.06	.49	1356.30	9901.00	10061.48	4.28	1360.58	.00	20.00
*	28.000	425.00	49.06	352.71	23.24	1356.30	9901.00	10088.28	4.92	1361.22	.00	20.00
*	29.000	69.00	.00	69.00	.00	1356.60	9991.25	10003.99	1.54	1358.14	.00	20.00
*	29.000	139.00	.00	139.00	.00	1356.60	9990.24	10005.33	2.31	1358.91	.00	20.00
*	29.000	184.00	.00	184.00	.00	1356.60	9989.70	10006.04	2.72	1359.32	.00	20.00
*	29.000	263.00	.00	263.00	.00	1356.60	9988.95	10007.04	3.30	1359.90	.00	20.00
*	29.000	340.00	.05	339.95	.00	1356.60	9984.04	10007.92	3.80	1360.40	.00	20.00
*	29.000	425.00	7.07	416.16	1.77	1356.60	9899.30	10042.19	4.33	1360.93	.00	20.00
*	31.000	69.00	.00	69.00	.00	1356.70	9994.00	10006.00	1.63	1358.33	.00	20.00
*	31.000	139.00	.00	139.00	.00	1356.70	9994.00	10006.00	2.31	1359.01	.00	20.00
	31.000	184.00	.00	184.00	.00	1356.70	9994.00	10006.00	2.62	1359.32	.00	20.00
	31.000	263.00	.00	263.00	.00	1356.70	9994.00	10006.00	3.14	1359.84	.00	20.00
	31.000	340.00	.00	340.00	.00	1356.70	9994.00	10006.00	3.56	1360.26	.00	20.00
	31.000	425.00	9.62	378.38	37.00	1356.70	9912.74	10030.71	4.19	1360.89	1360.82	20.00
	32.000	69.00	.00	69.00	.00	1356.80	9994.00	10006.00	1.66	1358.46	.00	20.00
	32.000	139.00	.00	139.00	.00	1356.80	9994.00	10006.00	2.48	1359.28	.00	20.00
	32.000	184.00	.00	184.00	.00	1356.80	9994.00	10006.00	2.90	1359.70	.00	20.00
	32.000	263.00	17.85	225.23	19.92	1356.80	9986.90	10011.80	4.16	1360.96	.00	20.00
*	32.000	340.00	34.55	269.36	36.09	1356.80	9900.70	10100.20	4.70	1361.50	.00	20.00
*	32.000	425.00	79.15	265.45	80.40	1356.80	9900.70	10100.20	5.30	1362.10	.00	20.00
*	33.000	66.00	.00	66.00	.00	1359.20	9986.35	10005.66	.77	1359.97	1359.97	45.00
*	33.000	130.00	.00	130.00	.00	1359.20	9985.56	10006.33	1.20	1360.40	1360.40	45.00
*	33.000	171.00	.00	171.00	.00	1359.20	9985.13	10006.69	1.42	1360.62	1360.62	45.00
*	33.000	246.00	20.31	224.48	1.20	1359.20	9899.80	10100.50	2.11	1361.31	1361.31	45.00
*	33.000	316.00	55.92	246.32	13.76	1359.20	9899.80	10100.50	2.37	1361.57	.00	45.00
*	33.000	392.00	118.40	205.55	68.05	1359.20	9899.80	10100.50	3.03	1362.23	.00	45.00
*	34.000	66.00	.00	66.00	.00	1358.30	9983.61	10006.24	1.99	1360.29	1359.68	45.00
*	34.000	130.00	.00	130.00	.00	1358.30	9980.47	10007.35	2.53	1360.83	1360.11	45.00
*	34.000	171.00	.88	170.12	.00	1358.30	9906.38	10008.42	2.84	1361.14	1360.33	45.00
*	34.000	246.00	22.53	215.22	8.25	1358.30	9899.30	10099.90	3.21	1361.51	.00	45.00
	34.000	316.00	39.08	256.79	20.13	1358.30	9899.30	10099.90	3.33	1361.63	1361.38	45.00
	34.000	392.00	97.90	205.14	88.96	1358.30	9899.30	10099.90	3.93	1362.23	.00	45.00
*	35.000	66.00	.00	66.00	.00	1358.90	9992.19	10003.21	1.48	1360.38	1360.38	45.00
*	35.000	130.00	.00	130.00	.00	1358.90	9991.21	10004.77	2.11	1361.01	1361.01	45.00
*	35.000	171.00	.00	157.55	13.44	1358.90	9987.95	10095.70	2.81	1361.71	1361.71	45.00
*	35.000	246.00	9.80	171.11	65.09	1358.90	9923.95	10095.70	3.16	1362.06	1362.06	45.00
*	35.000	316.00	21.89	193.32	100.79	1358.90	9892.70	10095.70	3.27	1362.17	1362.17	45.00
*	35.000	392.00	35.53	220.58	135.89	1358.90	9892.70	10095.70	3.34	1362.24	1362.24	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
	36.000	66.00	.00	66.00	.00	1359.50	9992.01	10100.90	2.03	1361.53	1361.47	45.00
*	36.000	130.00	25.09	63.05	41.86	1359.50	9891.50	10100.90	2.65	1362.15	.00	45.00
*	36.000	171.00	58.04	50.66	62.30	1359.50	9891.50	10100.90	2.82	1362.32	.00	45.00
*	36.000	246.00	95.75	60.99	89.26	1359.50	9891.50	10100.90	2.96	1362.46	.00	45.00
*	36.000	316.00	131.36	69.13	115.51	1359.50	9891.50	10100.90	3.07	1362.57	.00	45.00
*	36.000	392.00	169.41	77.40	145.19	1359.50	9891.50	10100.90	3.18	1362.68	.00	45.00
*	37.000	66.00	2.82	40.55	22.63	1359.40	9885.30	10099.90	2.80	1362.20	.00	45.00
	37.000	130.00	18.49	60.84	50.66	1359.40	9885.30	10099.90	2.94	1362.34	.00	45.00
	37.000	171.00	35.66	67.12	68.23	1359.40	9885.30	10099.90	3.04	1362.44	.00	45.00
	37.000	246.00	68.43	77.85	99.71	1359.40	9885.30	10099.90	3.17	1362.57	.00	45.00
	37.000	316.00	99.73	86.58	129.68	1359.40	9885.30	10099.90	3.28	1362.68	.00	45.00
	37.000	392.00	134.10	95.20	162.70	1359.40	9885.30	10099.90	3.38	1362.78	.00	45.00
	38.000	66.00	1.59	51.17	13.24	1359.50	9954.76	10100.20	2.79	1362.29	.00	45.00
*	38.000	130.00	11.01	81.01	37.98	1359.50	9920.09	10100.20	2.98	1362.48	.00	45.00
	38.000	171.00	20.56	95.04	55.39	1359.50	9902.88	10100.20	3.08	1362.58	.00	45.00
	38.000	246.00	41.49	116.73	87.78	1359.50	9879.09	10100.20	3.21	1362.71	.00	45.00
	38.000	316.00	65.20	132.61	118.20	1359.50	9861.60	10100.20	3.31	1362.81	.00	45.00
	38.000	392.00	96.54	145.92	149.54	1359.50	9861.60	10100.20	3.41	1362.91	.00	45.00
*	39.000	66.00	.00	66.00	.00	1359.80	9989.40	10002.46	2.53	1362.33	.00	45.00
*	39.000	130.00	.36	90.12	39.52	1359.80	9889.39	10100.60	2.96	1362.76	1362.76	45.00
*	39.000	171.00	2.65	103.54	64.81	1359.80	9879.10	10100.60	3.02	1362.82	1362.82	45.00
	39.000	246.00	14.05	115.18	116.77	1359.80	9879.10	10100.60	3.13	1362.93	1362.90	45.00
*	39.000	316.00	30.75	122.33	162.93	1359.80	9879.10	10100.60	3.23	1363.03	.00	45.00
*	39.000	392.00	50.92	136.85	204.22	1359.80	9879.10	10100.60	3.32	1363.12	.00	45.00
*	40.000	66.00	.00	65.81	.19	1360.40	9989.69	10067.84	2.35	1362.75	.00	45.00
*	40.000	130.00	4.63	99.26	26.11	1360.40	9895.40	10100.80	2.72	1363.12	.00	45.00
*	40.000	171.00	14.11	114.42	42.47	1360.40	9895.40	10100.80	2.82	1363.22	.00	45.00
*	40.000	246.00	35.45	138.66	71.89	1360.40	9895.40	10100.80	2.95	1363.35	.00	45.00
*	40.000	316.00	57.94	158.61	99.46	1360.40	9895.40	10100.80	3.05	1363.45	.00	45.00
*	40.000	392.00	83.69	178.85	129.46	1360.40	9895.40	10100.80	3.13	1363.53	.00	45.00
	41.000	66.00	.00	66.00	.00	1360.10	9973.00	10002.14	2.78	1362.88	.00	45.00
	41.000	130.00	.13	129.87	.00	1360.10	9867.70	10002.93	3.16	1363.26	.00	45.00
	41.000	171.00	3.27	167.73	.00	1360.10	9867.70	10003.18	3.28	1363.38	.00	45.00
	41.000	246.00	23.61	220.37	2.03	1360.10	9867.70	10043.90	3.43	1363.53	.00	45.00
	41.000	316.00	53.21	255.92	6.87	1360.10	9867.70	10043.90	3.55	1363.65	.00	45.00
	41.000	392.00	87.04	291.95	13.01	1360.10	9867.70	10043.90	3.66	1363.76	.00	45.00
*	42.000	66.00	.00	66.00	.00	1360.60	9993.13	10002.04	2.28	1362.88	1362.88	45.00
*	42.000	130.00	41.80	79.59	8.61	1360.60	9890.10	10095.00	3.22	1363.82	1363.82	45.00
*	42.000	171.00	60.75	95.02	15.23	1360.60	9890.10	10095.00	3.26	1363.86	1363.86	45.00
*	42.000	246.00	103.82	106.05	36.13	1360.60	9890.10	10095.00	3.37	1363.97	.00	45.00
	42.000	316.00	148.35	102.41	65.25	1360.60	9890.10	10095.00	3.51	1364.11	.00	45.00
	42.000	392.00	191.50	104.10	96.40	1360.60	9890.10	10095.00	3.63	1364.23	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	43.000	66.00	11.31	49.18	5.51	1360.90	9925.22	10153.50	3.03	1363.93	.00	45.00
*	43.000	130.00	37.97	47.09	44.94	1360.90	9916.87	10153.50	3.31	1364.21	.00	45.00
*	43.000	171.00	53.43	47.35	70.22	1360.90	9914.14	10153.50	3.42	1364.32	.00	45.00
*	43.000	246.00	81.06	49.54	115.40	1360.90	9912.10	10153.50	3.55	1364.45	.00	45.00
*	43.000	316.00	104.33	58.99	152.67	1360.90	9912.10	10153.50	3.63	1364.53	.00	45.00
*	43.000	392.00	129.67	66.74	195.58	1360.90	9912.10	10153.50	3.72	1364.62	.00	45.00
	44.000	66.00	2.03	48.47	15.51	1361.00	9932.24	10139.12	3.08	1364.08	.00	45.00
	44.000	130.00	19.18	57.74	53.08	1361.00	9923.08	10146.14	3.32	1364.32	.00	45.00
	44.000	171.00	32.96	59.98	78.06	1361.00	9919.90	10149.20	3.42	1364.42	.00	45.00
	44.000	246.00	59.08	60.78	126.14	1361.00	9917.26	10153.56	3.56	1364.56	.00	45.00
	44.000	316.00	81.61	65.35	169.04	1361.00	9915.21	10156.94	3.66	1364.66	.00	45.00
	44.000	392.00	104.66	73.50	213.84	1361.00	9913.52	10159.10	3.75	1364.75	.00	45.00
	45.000	66.00	3.19	38.03	24.79	1362.10	9959.10	10152.33	2.16	1364.26	.00	45.00
	45.000	130.00	17.26	47.48	65.26	1362.10	9935.92	10156.42	2.39	1364.49	.00	45.00
	45.000	171.00	28.10	53.07	89.82	1362.10	9929.64	10157.37	2.48	1364.58	.00	45.00
	45.000	246.00	51.27	61.19	133.54	1362.10	9910.38	10161.08	2.63	1364.73	.00	45.00
	45.000	316.00	75.38	65.42	175.20	1362.10	9900.00	10177.50	2.73	1364.83	.00	45.00
	45.000	392.00	102.62	69.69	219.69	1362.10	9900.00	10177.50	2.82	1364.92	.00	45.00
*	46.000	66.00	.14	40.36	25.49	1362.30	9975.73	10208.40	2.19	1364.49	1364.49	45.00
*	46.000	130.00	2.86	37.86	89.28	1362.30	9974.88	10251.81	2.38	1364.68	.00	45.00
	46.000	171.00	5.03	40.11	125.85	1362.30	9974.51	10253.20	2.47	1364.77	.00	45.00
	46.000	246.00	9.67	35.55	200.77	1362.30	9973.91	10253.20	2.61	1364.91	.00	45.00
	46.000	316.00	13.50	41.78	260.72	1362.30	9944.57	10253.20	2.72	1365.02	.00	45.00
	46.000	392.00	17.87	48.96	325.17	1362.30	9943.55	10253.20	2.81	1365.11	.00	45.00
*	47.000	66.00	.00	27.96	38.04	1362.70	9976.67	10252.50	2.13	1364.83	.00	45.00
	47.000	130.00	.00	42.34	87.66	1362.70	9976.22	10252.50	2.26	1364.96	.00	45.00
	47.000	171.00	.04	49.99	120.97	1362.70	9949.35	10252.50	2.32	1365.02	.00	45.00
	47.000	246.00	1.35	62.33	182.32	1362.70	9931.05	10252.50	2.44	1365.14	.00	45.00
	47.000	316.00	4.03	74.15	237.82	1362.70	9930.65	10252.50	2.53	1365.23	.00	45.00
	47.000	392.00	8.47	88.05	295.48	1362.70	9930.26	10252.50	2.61	1365.31	.00	45.00
*	48.000	66.00	.38	24.62	41.01	1361.70	9932.67	10177.01	3.22	1364.92	.00	45.00
*	48.000	130.00	4.37	35.60	90.03	1361.70	9931.50	10193.82	3.38	1365.08	1364.69	45.00
*	48.000	171.00	8.39	42.23	120.37	1361.70	9930.92	10203.89	3.46	1365.16	1364.75	45.00
*	48.000	246.00	17.05	53.55	175.40	1361.70	9930.05	10219.30	3.58	1365.28	1364.85	45.00
*	48.000	316.00	26.66	62.83	226.52	1361.70	9898.73	10232.04	3.67	1365.37	1364.94	45.00
	48.000	392.00	37.95	72.58	281.47	1361.70	9892.88	10235.10	3.76	1365.46	1364.99	45.00
*	49.000	66.00	.00	35.35	30.65	1362.50	9996.13	10141.80	2.55	1365.05	1365.05	45.00
*	49.000	130.00	.23	52.36	77.41	1362.50	9985.04	10147.53	2.68	1365.18	1365.18	45.00
*	49.000	171.00	4.86	55.23	110.91	1362.50	9938.70	10155.60	2.78	1365.28	1365.28	45.00
*	49.000	246.00	16.04	68.36	161.60	1362.50	9934.67	10158.18	2.87	1365.37	1365.37	45.00
*	49.000	316.00	35.92	73.30	206.78	1362.50	9928.90	10159.80	2.99	1365.49	1365.49	45.00
*	49.000	392.00	52.59	83.92	255.48	1362.50	9926.05	10160.61	3.05	1365.55	1365.55	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
	50.000	66.00	12.54	33.01	20.46	1362.90	9913.05	10151.24	2.56	1365.46	.00	45.00
*	50.000	130.00	38.81	39.77	51.41	1362.90	9900.20	10158.57	2.78	1365.68	.00	45.00
*	50.000	171.00	55.45	46.32	69.23	1362.90	9900.20	10161.46	2.86	1365.76	.00	45.00
*	50.000	246.00	85.17	56.46	104.36	1362.90	9900.20	10172.90	3.00	1365.90	.00	45.00
*	50.000	316.00	111.25	67.38	137.36	1362.90	9900.20	10178.07	3.08	1365.98	.00	45.00
*	50.000	392.00	139.85	76.10	176.06	1362.90	9900.20	10185.66	3.18	1366.08	.00	45.00
*	51.000	66.00	.00	64.17	1.83	1362.90	9992.20	10127.69	2.72	1365.62	.00	45.00
	51.000	130.00	.00	108.09	21.91	1362.90	9992.05	10138.74	2.93	1365.83	.00	45.00
*	51.000	171.00	.00	133.27	37.73	1362.90	9992.00	10140.81	3.00	1365.90	.00	45.00
*	51.000	246.00	.00	169.13	76.87	1362.90	9991.02	10144.13	3.11	1366.01	1365.99	45.00
*	51.000	316.00	.00	179.35	136.64	1362.90	9947.50	10148.47	3.24	1366.14	1366.13	45.00
*	51.000	392.00	.21	195.11	196.68	1362.90	9947.50	10151.46	3.32	1366.22	1366.22	45.00
	52.000	66.00	.00	65.26	.74	1363.70	9994.03	10120.22	2.06	1365.76	.00	45.00
*	52.000	130.00	.00	116.73	13.27	1363.70	9993.41	10133.58	2.39	1366.09	.00	45.00
*	52.000	171.00	.00	140.72	30.28	1363.70	9993.12	10149.99	2.55	1366.25	.00	45.00
*	52.000	246.00	.00	174.63	71.37	1363.70	9992.71	10163.68	2.77	1366.47	.00	45.00
*	52.000	316.00	.00	206.86	109.14	1363.70	9992.49	10170.38	2.88	1366.58	.00	45.00
*	52.000	392.00	.00	236.88	155.12	1363.70	9992.28	10179.41	2.99	1366.69	.00	45.00
	53.000	66.00	.00	66.00	.00	1364.20	9992.24	10023.33	1.59	1365.79	.00	45.00
	53.000	130.00	.00	130.00	.00	1364.20	9990.31	10123.97	1.94	1366.14	.00	45.00
	53.000	171.00	.00	167.42	3.58	1364.20	9987.60	10128.79	2.09	1366.29	.00	45.00
	53.000	246.00	.00	217.97	28.03	1364.20	9983.39	10148.48	2.32	1366.52	.00	45.00
*	53.000	316.00	.00	254.02	61.98	1364.20	9977.52	10156.20	2.45	1366.65	.00	45.00
*	53.000	392.00	.00	282.77	109.23	1364.20	9971.56	10164.44	2.58	1366.78	.00	45.00
*	54.000	65.00	.00	65.00	.00	1364.60	9968.70	10074.41	1.29	1365.89	.00	45.00
*	54.000	126.00	.00	126.00	.00	1364.60	9958.53	10093.16	1.71	1366.31	.00	45.00
*	54.000	166.00	.00	166.00	.00	1364.60	9954.02	10099.88	1.90	1366.50	.00	45.00
*	54.000	237.00	.00	236.98	.02	1364.60	9876.24	10109.62	2.17	1366.77	.00	45.00
*	54.000	308.00	.00	307.01	.99	1364.60	9871.43	10171.10	2.33	1366.93	.00	45.00
*	54.000	398.00	.00	390.49	7.51	1364.60	9867.36	10183.81	2.46	1367.06	.00	45.00
*	55.000	65.00	.00	65.00	.00	1364.90	9919.26	10060.40	1.13	1366.03	1366.03	45.00
*	55.000	126.00	.00	126.00	.00	1364.90	9914.47	10062.31	1.48	1366.38	.00	45.00
*	55.000	166.00	.88	165.12	.00	1364.90	9865.01	10063.35	1.68	1366.58	.00	45.00
*	55.000	237.00	13.70	223.30	.00	1364.90	9858.18	10064.84	1.96	1366.86	.00	45.00
*	55.000	308.00	31.06	276.94	.00	1364.90	9855.95	10113.94	2.13	1367.03	.00	45.00
*	55.000	398.00	52.18	345.82	.00	1364.90	9854.68	10115.61	2.27	1367.17	.00	45.00
*	56.000	65.00	.00	65.00	.00	1365.70	9943.68	10064.75	1.35	1367.05	.00	45.00
	56.000	126.00	.00	125.99	.01	1365.70	9942.60	10101.56	1.40	1367.10	.00	45.00
*	56.000	166.00	.00	165.39	.61	1365.70	9942.00	10103.07	1.43	1367.13	.00	45.00
*	56.000	237.00	.00	230.92	6.08	1365.70	9939.16	10107.26	1.53	1367.23	1367.23	45.00
*	56.000	308.00	.00	293.52	14.48	1365.70	9935.26	10110.39	1.60	1367.30	1367.30	45.00
*	56.000	398.00	7.55	353.73	36.72	1365.70	9902.35	10115.79	1.74	1367.44	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	57.000	65.00	.00	63.68	1.31	1365.70	9952.77	10104.63	1.66	1367.36	.00	45.00
*	57.000	126.00	.00	115.83	10.17	1365.70	9943.58	10112.45	1.87	1367.57	.00	45.00
*	57.000	166.00	.00	148.19	17.81	1365.70	9938.04	10119.19	1.98	1367.68	.00	45.00
*	57.000	237.00	.00	203.79	33.21	1365.70	9930.64	10128.96	2.12	1367.82	.00	45.00
*	57.000	308.00	.00	257.32	50.68	1365.70	9925.90	10133.73	2.24	1367.94	.00	45.00
*	57.000	398.00	.00	326.32	71.68	1365.70	9923.22	10137.27	2.33	1368.03	.00	45.00
*	58.000	65.00	.00	65.00	.00	1365.50	9956.14	10035.86	2.12	1367.62	.00	45.00
*	58.000	126.00	.00	126.00	.00	1365.50	9950.17	10037.16	2.35	1367.85	.00	45.00
*	58.000	166.00	.00	166.00	.00	1365.50	9940.38	10038.94	2.48	1367.98	.00	45.00
*	58.000	237.00	.28	236.72	.00	1365.50	9920.19	10041.46	2.69	1368.19	.00	45.00
*	58.000	308.00	4.57	299.59	3.84	1365.50	9902.90	10109.24	2.83	1368.33	.00	45.00
*	58.000	398.00	13.74	364.23	20.03	1365.50	9888.04	10112.26	2.96	1368.46	.00	45.00
*	59.000	65.00	.00	65.00	.00	1366.30	9954.18	10025.71	1.60	1367.90	.00	45.00
*	59.000	126.00	.00	124.59	1.41	1366.30	9947.84	10028.82	1.93	1368.23	.00	45.00
*	59.000	166.00	.08	162.10	3.81	1366.30	9895.07	10030.72	2.13	1368.43	.00	45.00
*	59.000	237.00	4.71	225.01	7.27	1366.30	9877.73	10032.62	2.33	1368.63	.00	45.00
*	59.000	308.00	12.90	284.14	10.96	1366.30	9866.66	10034.90	2.45	1368.75	.00	45.00
*	59.000	398.00	26.74	354.79	16.47	1366.30	9855.42	10038.62	2.58	1368.88	.00	45.00
*	60.000	65.00	.00	65.00	.00	1366.10	9953.99	10010.67	1.89	1367.99	.00	45.00
*	60.000	126.00	.00	126.00	.00	1366.10	9952.82	10015.31	2.25	1368.35	.00	45.00
*	60.000	166.00	.00	166.00	.00	1366.10	9952.12	10018.88	2.46	1368.56	.00	45.00
	60.000	237.00	.07	236.28	.64	1366.10	9876.08	10065.96	2.68	1368.78	.00	45.00
	60.000	308.00	2.79	297.97	7.24	1366.10	9864.74	10089.86	2.82	1368.92	.00	45.00
	60.000	398.00	17.34	357.45	23.20	1366.10	9840.56	10114.15	2.97	1369.07	.00	45.00
	61.000	57.00	.00	57.00	.00	1366.40	9962.11	10026.73	1.63	1368.03	.00	45.00
	61.000	110.00	.00	109.85	.15	1366.40	9959.75	10098.16	2.03	1368.43	.00	45.00
	61.000	142.00	.00	137.93	4.07	1366.40	9958.36	10107.15	2.25	1368.65	.00	45.00
	61.000	204.00	.77	188.50	14.73	1366.40	9880.43	10111.22	2.50	1368.90	.00	45.00
	61.000	288.00	7.59	252.72	27.70	1366.40	9854.46	10115.68	2.67	1369.07	.00	45.00
	61.000	364.00	25.08	297.80	41.12	1366.40	9839.00	10116.80	2.83	1369.23	.00	45.00
*	62.000	57.00	.00	57.00	.00	1366.50	9971.24	10012.21	1.57	1368.07	.00	45.00
*	62.000	110.00	.00	110.00	.00	1366.50	9964.52	10014.21	1.98	1368.48	.00	45.00
*	62.000	142.00	.00	142.00	.00	1366.50	9960.16	10017.41	2.21	1368.71	.00	45.00
*	62.000	204.00	6.71	197.29	.00	1366.50	9867.26	10030.14	2.46	1368.96	.00	45.00
*	62.000	288.00	37.94	250.05	.00	1366.50	9840.40	10040.15	2.65	1369.15	.00	45.00
*	62.000	364.00	81.43	282.57	.00	1366.50	9840.40	10045.45	2.81	1369.31	.00	45.00
*	63.000	57.00	.01	56.99	.00	1368.10	9951.57	10036.56	.94	1369.04	1369.04	45.00
*	63.000	110.00	17.15	92.85	.00	1368.10	9897.31	10040.37	1.17	1369.27	1369.27	45.00
*	63.000	142.00	31.86	110.14	.00	1368.10	9889.63	10041.86	1.24	1369.34	1369.34	45.00
*	63.000	204.00	59.03	144.97	.00	1368.10	9882.75	10043.91	1.32	1369.42	1369.42	45.00
*	63.000	288.00	101.73	186.27	.00	1368.10	9868.78	10046.71	1.43	1369.53	1369.52	45.00
*	63.000	364.00	145.27	218.73	.00	1368.10	9846.13	10049.11	1.53	1369.63	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	64.000	57.00	17.16	33.43	6.41	1367.30	9874.49	10101.30	2.35	1369.65	.00	45.00
*	64.000	110.00	46.39	46.02	17.59	1367.30	9860.20	10110.27	2.50	1369.80	.00	45.00
*	64.000	142.00	65.39	50.65	25.95	1367.30	9860.20	10138.12	2.63	1369.93	.00	45.00
*	64.000	204.00	97.35	62.84	43.81	1367.30	9860.20	10141.70	2.76	1370.06	.00	45.00
*	64.000	288.00	138.93	80.01	69.06	1367.30	9860.20	10141.70	2.90	1370.20	.00	45.00
*	64.000	364.00	176.57	94.28	93.15	1367.30	9860.20	10141.70	3.01	1370.31	.00	45.00
*	65.000	57.00	.73	30.67	25.60	1368.10	9927.55	10101.79	1.75	1369.85	.00	45.00
*	65.000	110.00	8.43	43.67	57.89	1368.10	9917.54	10144.22	1.92	1370.02	.00	45.00
*	65.000	142.00	14.71	49.83	77.46	1368.10	9913.89	10150.58	1.97	1370.07	.00	45.00
*	65.000	204.00	30.28	57.70	116.01	1368.10	9907.02	10153.60	2.08	1370.18	.00	45.00
*	65.000	288.00	57.79	65.17	165.04	1368.10	9877.22	10153.60	2.22	1370.32	.00	45.00
*	65.000	364.00	88.64	65.36	210.00	1368.10	9869.00	10153.60	2.32	1370.42	.00	45.00
*	66.000	57.00	.00	57.00	.00	1366.60	9974.01	10099.30	3.44	1370.04	.00	45.00
*	66.000	110.00	.00	108.78	1.22	1366.60	9971.65	10100.83	3.69	1370.29	.00	45.00
*	66.000	142.00	.00	138.74	3.26	1366.60	9970.70	10101.45	3.79	1370.39	.00	45.00
	66.000	204.00	.00	191.30	12.70	1366.60	9969.37	10138.78	3.93	1370.53	1369.42	45.00
	66.000	288.00	.00	248.75	39.25	1366.60	9968.05	10139.20	4.07	1370.67	1370.06	45.00
	66.000	364.00	2.46	284.42	77.12	1366.60	9910.84	10139.20	4.19	1370.79	1370.61	45.00
	67.000	57.00	.04	56.96	.00	1367.50	9936.76	10009.81	2.60	1370.10	.00	45.00
	67.000	110.00	1.06	108.94	.00	1367.50	9935.09	10111.26	2.91	1370.41	.00	45.00
	67.000	142.00	2.32	139.31	.36	1367.50	9934.35	10112.34	3.05	1370.55	.00	45.00
	67.000	204.00	6.92	193.76	3.32	1367.50	9919.35	10114.11	3.27	1370.77	.00	45.00
	67.000	288.00	40.17	213.07	34.76	1367.50	9884.05	10127.90	3.59	1371.09	.00	45.00
	67.000	364.00	74.07	229.16	60.76	1367.50	9883.80	10127.90	3.75	1371.25	.00	45.00
*	68.000	57.00	.00	57.00	.00	1367.40	9979.86	10008.76	2.73	1370.13	.00	45.00
*	68.000	110.00	.17	109.83	.00	1367.40	9911.26	10009.79	3.09	1370.49	.00	45.00
*	68.000	142.00	1.16	140.84	.00	1367.40	9908.69	10010.27	3.25	1370.65	.00	45.00
*	68.000	204.00	7.52	196.17	.31	1367.40	9905.10	10094.36	3.51	1370.91	.00	45.00
*	68.000	288.00	23.65	256.57	7.77	1367.40	9898.20	10103.50	3.77	1371.17	.00	45.00
*	68.000	364.00	40.25	302.77	20.98	1367.40	9898.20	10103.50	3.90	1371.30	.00	45.00
*	69.000	55.00	.00	55.00	.00	1367.80	9992.32	10007.22	2.44	1370.24	.00	252.72
*	69.000	102.00	.00	102.00	.00	1367.80	9990.73	10008.30	2.94	1370.74	.00	322.84
*	69.000	133.00	.00	132.99	.00	1367.80	9989.63	10009.54	3.20	1371.00	.00	351.06
*	69.000	201.00	.00	200.99	.00	1367.80	9987.68	10011.58	3.62	1371.42	.00	387.88
*	69.000	288.00	28.37	223.70	35.92	1367.80	9913.57	10128.00	4.08	1371.88	1370.89	501.34
*	69.000	360.00	101.00	127.25	131.75	1367.80	9902.80	10128.00	4.40	1372.20	.00	513.60
*	70.000	55.00	.00	55.00	.00	1367.50	9997.20	10018.58	2.96	1370.46	.00	45.00
*	70.000	102.00	.00	102.00	.00	1367.50	9995.39	10021.45	3.59	1371.09	.00	45.00
*	70.000	133.00	.00	133.00	.00	1367.50	9994.46	10022.92	3.91	1371.41	.00	45.00
*	70.000	201.00	43.11	157.30	.59	1367.50	9892.30	10115.82	4.57	1372.07	.00	45.00
*	70.000	288.00	100.18	173.17	14.65	1367.50	9892.30	10127.60	4.91	1372.41	.00	45.00
*	70.000	360.00	131.20	203.89	24.91	1367.50	9892.30	10127.60	5.02	1372.52	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	71.000	55.00	20.10	34.89	.00	1370.70	9939.05	10027.95	1.28	1371.98	1371.98	45.00
*	71.000	102.00	50.58	51.42	.00	1370.70	9934.41	10032.55	1.39	1372.09	1372.09	45.00
*	71.000	133.00	77.17	53.58	2.24	1370.70	9929.13	10075.25	1.53	1372.23	1372.23	45.00
*	71.000	201.00	110.75	75.73	14.52	1370.70	9904.00	10117.62	1.68	1372.38	1372.38	45.00
*	71.000	288.00	152.72	100.45	34.83	1370.70	9904.00	10122.85	1.78	1372.48	1372.45	45.00
*	71.000	360.00	183.93	114.93	61.14	1370.70	9904.00	10123.10	1.90	1372.60	.00	45.00
*	72.000	55.00	.12	54.88	.00	1369.30	9934.48	10013.48	2.97	1372.27	.00	45.00
*	72.000	102.00	15.03	78.91	8.06	1369.30	9905.60	10089.28	3.23	1372.53	.00	45.00
*	72.000	133.00	27.72	89.18	16.10	1369.30	9905.60	10090.60	3.32	1372.62	.00	45.00
*	72.000	201.00	73.64	74.76	52.60	1369.30	9905.60	10098.49	3.81	1373.11	.00	45.00
*	72.000	288.00	112.94	89.35	85.71	1369.30	9905.60	10120.80	4.08	1373.38	.00	45.00
*	72.000	360.00	144.35	101.84	113.81	1369.30	9905.60	10120.80	4.25	1373.55	.00	45.00
	73.000	55.00	.00	55.00	.00	1369.80	9995.24	10015.02	2.53	1372.33	.00	45.00
	73.000	102.00	.30	101.70	.00	1369.80	9958.47	10016.40	2.79	1372.59	.00	45.00
*	73.000	133.00	1.99	131.01	.00	1369.80	9954.38	10030.95	2.86	1372.66	.00	45.00
*	73.000	201.00	41.62	147.65	11.72	1369.80	9898.60	10104.27	3.30	1373.10	.00	45.00
*	73.000	288.00	91.41	143.22	53.37	1369.80	9898.60	10118.90	3.59	1373.39	.00	45.00
*	73.000	360.00	130.18	140.64	89.18	1369.80	9898.60	10118.90	3.77	1373.57	.00	45.00
*	74.000	55.00	.00	8.69	46.31	1370.40	9994.49	10097.40	2.01	1372.41	.00	45.00
*	74.000	102.00	.00	13.41	88.59	1370.40	9980.78	10110.22	2.36	1372.76	.00	45.00
*	74.000	133.00	.31	16.33	116.36	1370.40	9974.96	10112.92	2.51	1372.91	.00	45.00
	74.000	201.00	4.05	19.99	176.95	1370.40	9968.31	10116.03	2.85	1373.25	.00	45.00
*	74.000	288.00	10.32	28.88	248.80	1370.40	9957.21	10117.83	3.08	1373.48	.00	45.00
*	74.000	360.00	17.22	36.04	306.73	1370.40	9948.35	10118.67	3.24	1373.64	.00	45.00
*	75.000	55.00	.00	52.48	2.52	1369.90	9994.44	10109.41	2.48	1372.38	.00	45.00
*	75.000	102.00	.00	85.17	16.83	1369.90	9993.77	10112.80	2.78	1372.68	.00	45.00
*	75.000	133.00	.00	104.05	28.94	1369.90	9993.50	10113.77	2.91	1372.81	1372.58	45.00
*	75.000	201.00	.00	115.84	85.16	1369.90	9992.61	10116.97	3.30	1373.20	.00	45.00
*	75.000	288.00	1.28	130.33	156.39	1369.90	9957.41	10121.00	3.54	1373.44	1373.19	45.00
*	75.000	360.00	8.45	137.87	213.68	1369.90	9942.19	10121.00	3.71	1373.61	1373.29	45.00
*	76.000	55.00	.00	55.00	.00	1369.50	9986.13	10004.47	3.07	1372.57	.00	45.00
	76.000	102.00	.00	102.00	.00	1369.50	9985.46	10005.97	3.45	1372.95	.00	45.00
	76.000	133.00	.00	132.50	.50	1369.50	9985.17	10086.24	3.62	1373.12	.00	45.00
	76.000	201.00	.21	174.15	26.64	1369.50	9966.63	10088.68	3.90	1373.40	.00	45.00
	76.000	288.00	9.26	194.80	83.94	1369.50	9936.34	10090.90	4.14	1373.64	.00	45.00
	76.000	360.00	23.75	211.29	124.96	1369.50	9933.18	10092.19	4.28	1373.78	1373.61	45.00
*	77.000	55.00	.00	55.00	.00	1369.60	9997.81	10006.93	3.04	1372.64	.00	45.00
*	77.000	102.00	.00	102.00	.00	1369.60	9997.48	10008.02	3.44	1373.04	.00	45.00
*	77.000	133.00	.00	133.00	.00	1369.60	9997.34	10008.82	3.62	1373.22	.00	45.00
*	77.000	201.00	44.70	156.30	.00	1369.60	9917.56	10023.26	4.34	1373.94	1373.94	45.00
*	77.000	288.00	93.36	194.64	.01	1369.60	9910.81	10031.30	4.46	1374.06	1374.06	45.00
*	77.000	360.00	141.13	218.10	.77	1369.60	9904.86	10031.30	4.57	1374.17	1374.17	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	78.000	55.00	1.17	53.83	.00	1370.30	9969.49	10018.68	2.69	1372.99	.00	45.00
*	78.000	102.00	15.01	86.99	.00	1370.30	9923.02	10026.63	3.29	1373.59	.00	45.00
*	78.000	133.00	30.11	102.33	.55	1370.30	9922.40	10032.65	3.63	1373.93	.00	45.00
*	78.000	201.00	59.02	137.41	4.57	1370.30	9896.05	10040.74	4.03	1374.33	.00	45.00
*	78.000	288.00	95.18	182.19	10.63	1370.30	9894.39	10042.70	4.24	1374.54	.00	45.00
*	78.000	360.00	128.00	215.65	16.35	1370.30	9893.33	10042.70	4.37	1374.67	.00	45.00
	79.000	55.00	.00	55.00	.00	1370.10	9993.53	10027.22	3.02	1373.12	.00	45.00
*	79.000	102.00	.37	94.59	7.04	1370.10	9948.95	10053.08	3.61	1373.71	.00	45.00
*	79.000	133.00	4.08	106.74	22.18	1370.10	9946.05	10063.05	3.92	1374.02	.00	45.00
*	79.000	201.00	18.88	128.54	53.57	1370.10	9918.92	10069.26	4.30	1374.40	.00	45.00
	79.000	288.00	40.72	161.67	85.61	1370.10	9918.18	10070.87	4.53	1374.63	.00	45.00
	79.000	360.00	61.04	189.72	109.24	1370.10	9917.69	10071.40	4.67	1374.77	.00	45.00
	80.000	55.00	.00	55.00	.00	1369.70	10013.60	10033.03	3.59	1373.29	.00	45.00
	80.000	102.00	.00	102.00	.00	1369.70	10012.08	10040.51	4.22	1373.92	.00	45.00
	80.000	133.00	.00	133.00	.00	1369.70	10011.37	10046.52	4.51	1374.21	.00	45.00
	80.000	201.00	54.28	144.27	2.45	1369.70	9924.20	10086.01	4.85	1374.55	.00	45.00
	80.000	288.00	104.46	167.14	16.40	1369.70	9922.45	10090.80	5.10	1374.80	.00	45.00
	80.000	360.00	139.63	191.50	28.87	1369.70	9921.49	10090.80	5.25	1374.95	.00	45.00
	81.000	55.00	.00	55.00	.00	1371.00	9987.90	10029.40	2.37	1373.37	.00	45.00
*	81.000	102.00	15.99	82.36	3.66	1371.00	9927.58	10043.13	2.99	1373.99	.00	45.00
*	81.000	133.00	27.78	98.23	6.99	1371.00	9926.89	10055.53	3.30	1374.30	.00	45.00
	81.000	201.00	52.78	130.65	17.57	1371.00	9926.05	10092.70	3.64	1374.64	.00	45.00
*	81.000	288.00	84.50	167.08	36.42	1371.00	9925.34	10092.70	3.94	1374.94	.00	45.00
*	81.000	360.00	111.29	194.52	54.19	1371.00	9905.23	10092.70	4.15	1375.15	.00	45.00
*	82.000	55.00	.00	55.00	.00	1372.00	9954.05	10020.63	1.40	1373.40	.00	45.00
*	82.000	102.00	5.68	96.32	.00	1372.00	9926.66	10022.89	1.97	1373.97	.00	45.00
*	82.000	133.00	17.37	115.63	.00	1372.00	9926.24	10024.11	2.28	1374.28	.00	45.00
*	82.000	201.00	46.27	154.73	.00	1372.00	9924.67	10091.24	2.61	1374.61	.00	45.00
*	82.000	288.00	86.69	196.82	4.49	1372.00	9903.84	10092.13	2.91	1374.91	.00	45.00
*	82.000	360.00	120.57	222.11	17.32	1372.00	9898.01	10093.32	3.12	1375.12	.00	45.00
	83.000	55.00	.00	55.00	.00	1371.40	9980.63	10007.80	2.17	1373.57	.00	45.00
	83.000	102.00	.00	102.00	.00	1371.40	9979.41	10014.00	2.69	1374.09	.00	45.00
*	83.000	133.00	.26	132.74	.00	1371.40	9930.29	10016.86	2.97	1374.37	.00	45.00
*	83.000	201.00	8.77	192.23	.00	1371.40	9927.39	10021.25	3.29	1374.69	.00	45.00
*	83.000	288.00	33.77	254.23	.00	1371.40	9926.65	10029.83	3.59	1374.99	.00	45.00
*	83.000	360.00	63.69	294.19	2.12	1371.40	9926.14	10089.10	3.80	1375.20	.00	45.00
	84.000	55.00	.00	55.00	.00	1372.00	9982.56	9997.94	1.80	1373.80	.00	45.00
	84.000	102.00	.00	102.00	.00	1372.00	9981.35	9999.67	2.30	1374.30	.00	45.00
*	84.000	133.00	.00	133.00	.00	1372.00	9980.41	10000.85	2.55	1374.55	.00	45.00
*	84.000	201.00	.00	201.00	.00	1372.00	9979.20	10002.61	2.88	1374.88	.00	45.00
*	84.000	288.00	.18	287.82	.00	1372.00	9960.73	10004.18	3.18	1375.18	.00	45.00
*	84.000	360.00	28.38	294.52	37.10	1372.00	9931.62	10081.10	3.64	1375.64	1375.64	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	85.000	55.00	.00	55.00	.00	1373.10	9986.77	10003.58	1.42	1374.52	.00	45.00
*	85.000	102.00	.00	102.00	.00	1373.10	9985.48	10005.39	1.73	1374.83	.00	45.00
*	85.000	133.00	.00	133.00	.00	1373.10	9984.33	10006.94	2.02	1375.12	.00	45.00
	85.000	201.00	.00	201.00	.00	1373.10	9982.43	10008.04	2.48	1375.58	.00	45.00
*	85.000	288.00	12.03	274.93	1.04	1373.10	9938.30	10083.30	3.00	1376.10	1376.10	45.00
*	85.000	360.00	31.22	306.63	22.15	1373.10	9936.54	10083.30	3.21	1376.31	1376.31	45.00
*	86.000	55.00	.00	55.00	.00	1372.80	9991.78	10010.65	2.17	1374.97	.00	45.00
*	86.000	102.00	.00	102.00	.00	1372.80	9943.98	10011.66	2.70	1375.50	.00	45.00
*	86.000	133.00	1.55	131.45	.00	1372.80	9938.42	10012.17	2.98	1375.78	.00	45.00
*	86.000	201.00	28.46	172.21	.33	1372.80	9934.77	10070.38	3.45	1376.25	.00	45.00
*	86.000	288.00	73.29	196.26	18.44	1372.80	9932.83	10078.10	3.89	1376.69	.00	45.00
*	86.000	360.00	101.83	224.44	33.73	1372.80	9932.13	10078.10	4.05	1376.85	.00	45.00
	87.000	55.00	13.98	41.02	.00	1372.90	9945.53	10015.22	2.19	1375.09	.00	45.00
*	87.000	102.00	49.40	52.59	.00	1372.90	9921.40	10017.88	2.77	1375.67	.00	45.00
*	87.000	133.00	73.77	59.23	.00	1372.90	9919.22	10019.22	3.06	1375.96	.00	45.00
*	87.000	201.00	126.51	74.49	.00	1372.90	9915.86	10059.93	3.52	1376.42	.00	45.00
*	87.000	288.00	188.75	93.30	5.96	1372.90	9912.88	10076.39	3.92	1376.82	.00	45.00
*	87.000	360.00	232.06	113.31	14.63	1372.90	9911.61	10089.19	4.10	1377.00	.00	45.00
*	88.000	55.00	.03	54.97	.00	1373.20	9920.20	10018.98	1.93	1375.13	.00	45.00
*	88.000	102.00	4.93	97.07	.00	1373.20	9914.04	10022.06	2.49	1375.69	.00	45.00
*	88.000	133.00	12.96	120.04	.00	1373.20	9910.05	10023.82	2.78	1375.98	.00	45.00
	88.000	201.00	33.35	167.65	.00	1373.20	9904.21	10026.63	3.24	1376.44	.00	45.00
	88.000	288.00	60.72	226.00	1.28	1373.20	9899.46	10075.12	3.65	1376.85	.00	45.00
	88.000	360.00	80.86	273.03	6.11	1373.20	9897.44	10085.41	3.83	1377.03	.00	45.00
*	89.000	53.00	.00	29.53	23.47	1373.20	10004.03	10090.59	1.94	1375.14	.00	45.00
	89.000	99.00	.26	50.34	48.40	1373.20	9942.89	10096.21	2.50	1375.70	.00	45.00
	89.000	131.00	1.09	69.12	60.79	1373.20	9938.54	10102.11	2.78	1375.98	.00	45.00
*	89.000	205.00	4.77	113.90	86.32	1373.20	9923.63	10112.49	3.25	1376.45	.00	45.00
*	89.000	287.00	12.92	159.52	114.56	1373.20	9909.63	10124.37	3.66	1376.86	.00	45.00
*	89.000	365.00	20.26	201.37	143.37	1373.20	9908.20	10130.15	3.84	1377.04	.00	45.00
*	90.000	53.00	.00	53.00	.00	1373.20	9941.65	10036.21	1.94	1375.14	.00	45.00
*	90.000	99.00	.05	98.95	.00	1373.20	9917.69	10043.58	2.50	1375.70	.00	45.00
	90.000	131.00	1.87	128.80	.33	1373.20	9900.51	10047.99	2.79	1375.99	.00	45.00
	90.000	205.00	12.28	190.19	2.53	1373.20	9853.70	10055.06	3.25	1376.45	.00	45.00
	90.000	287.00	32.67	246.48	7.85	1373.20	9853.70	10073.33	3.66	1376.86	.00	45.00
	90.000	365.00	49.94	301.52	13.54	1373.20	9853.70	10094.20	3.84	1377.04	.00	45.00
*	91.000	53.00	.00	53.00	.00	1373.10	9995.09	10016.17	1.96	1375.06	.00	45.00
*	91.000	99.00	.70	98.29	.00	1373.10	9925.11	10017.87	2.50	1375.60	.00	45.00
*	91.000	131.00	12.79	118.21	.00	1373.10	9911.88	10018.76	2.80	1375.90	.00	45.00
*	91.000	205.00	73.51	131.49	.00	1373.10	9894.62	10020.58	3.30	1376.40	.00	45.00
*	91.000	287.00	144.80	141.63	.57	1373.10	9864.70	10032.29	3.73	1376.83	.00	45.00
*	91.000	365.00	200.24	162.92	1.83	1373.10	9864.70	10033.47	3.90	1377.00	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
	92.000	53.00	.00	37.45	15.55	1373.60	9993.22	10005.27	2.05	1375.65	.00	45.00
*	92.000	99.00	.00	61.84	37.15	1373.60	9991.58	10007.51	2.42	1376.02	1376.02	45.00
*	92.000	131.00	.00	73.55	57.45	1373.60	9989.47	10009.84	2.72	1376.32	1376.32	45.00
*	92.000	205.00	.94	97.02	107.04	1373.60	9923.64	10030.29	3.38	1376.98	1376.98	45.00
*	92.000	287.00	13.78	114.85	158.37	1373.60	9913.87	10034.02	3.72	1377.32	1377.32	45.00
*	92.000	365.00	33.12	132.61	199.28	1373.60	9910.66	10037.49	3.87	1377.47	1377.47	45.00
*	93.000	53.00	.00	53.00	.00	1374.10	9988.07	10005.70	2.26	1376.36	.00	45.00
*	93.000	99.00	.00	99.00	.00	1374.10	9927.23	10007.90	2.97	1377.07	.00	45.00
*	93.000	131.00	2.48	128.51	.00	1374.10	9926.75	10012.84	3.31	1377.41	.00	45.00
	93.000	205.00	17.22	187.78	.00	1374.10	9923.64	10015.71	3.63	1377.73	.00	45.00
	93.000	287.00	43.36	243.64	.00	1374.10	9903.73	10017.76	3.86	1377.96	.00	45.00
	93.000	365.00	78.28	286.72	.00	1374.10	9899.25	10019.45	4.05	1378.15	.00	45.00
	94.000	53.00	.00	51.56	1.44	1374.90	9989.72	10030.66	1.83	1376.73	.00	45.00
	94.000	99.00	.00	83.74	15.26	1374.90	9986.17	10033.20	2.46	1377.36	.00	45.00
	94.000	131.00	.93	104.54	25.54	1374.90	9937.17	10034.49	2.78	1377.68	.00	45.00
	94.000	205.00	15.97	143.93	45.10	1374.90	9911.15	10068.60	3.15	1378.05	.00	45.00
*	94.000	287.00	48.43	169.70	68.87	1374.90	9903.19	10076.28	3.43	1378.33	.00	45.00
*	94.000	365.00	81.78	191.48	91.74	1374.90	9899.77	10081.73	3.63	1378.53	.00	45.00
	95.000	53.00	.00	53.00	.00	1374.50	10105.35	10121.67	2.62	1377.12	.00	45.00
	95.000	99.00	.00	99.00	.00	1374.50	10104.98	10123.21	3.11	1377.61	.00	45.00
*	95.000	131.00	.00	131.00	.00	1374.50	10059.19	10124.01	3.36	1377.86	.00	45.00
	95.000	205.00	12.59	192.41	.00	1374.50	10050.79	10128.46	3.71	1378.21	1377.73	45.00
*	95.000	287.00	92.81	175.11	19.08	1374.50	10022.80	10171.52	4.30	1378.80	.00	45.00
*	95.000	365.00	134.27	192.21	38.52	1374.50	10018.47	10181.77	4.48	1378.98	.00	45.00
	96.000	53.00	.00	53.00	.00	1375.60	9994.65	10007.61	2.00	1377.60	.00	45.00
	96.000	99.00	.00	99.00	.00	1375.60	9993.93	10013.69	2.58	1378.18	.00	45.00
	96.000	131.00	4.65	126.34	.00	1375.60	9953.63	10025.48	2.94	1378.54	.00	45.00
*	96.000	205.00	49.78	150.15	5.07	1375.60	9927.41	10045.15	3.36	1378.96	.00	45.00
	96.000	287.00	84.57	190.07	12.36	1375.60	9922.83	10048.89	3.49	1379.09	.00	45.00
	96.000	365.00	124.92	217.24	22.83	1375.60	9918.83	10053.06	3.64	1379.24	.00	45.00
*	97.000	53.00	.00	53.00	.00	1376.50	9993.25	10012.29	1.75	1378.25	.00	45.00
*	97.000	99.00	1.08	97.92	.00	1376.50	9958.27	10015.31	2.33	1378.83	.00	45.00
*	97.000	131.00	11.90	119.10	.00	1376.50	9954.29	10017.44	2.58	1379.08	.00	45.00
	97.000	205.00	36.32	168.68	.00	1376.50	9946.66	10020.01	2.79	1379.29	.00	45.00
	97.000	287.00	72.97	213.79	.24	1376.50	9937.84	10023.45	2.97	1379.47	.00	45.00
	97.000	365.00	109.99	253.85	1.16	1376.50	9931.60	10025.84	3.10	1379.60	.00	45.00
*	98.000	53.00	.00	53.00	.00	1376.90	9991.66	10021.23	1.65	1378.55	.00	45.00
*	98.000	99.00	.38	98.62	.00	1376.90	9962.09	10030.56	2.22	1379.12	.00	45.00
*	98.000	131.00	6.15	122.56	2.29	1376.90	9961.78	10043.05	2.45	1379.35	.00	45.00
*	98.000	205.00	28.39	164.90	11.71	1376.90	9938.79	10047.10	2.75	1379.65	.00	45.00
*	98.000	287.00	58.78	204.68	23.55	1376.90	9938.47	10050.10	2.98	1379.88	.00	45.00
*	98.000	365.00	91.55	236.84	36.62	1376.90	9936.16	10052.73	3.17	1380.07	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	99.000	53.00	.00	14.74	38.26	1377.40	9994.48	10007.92	1.31	1378.71	1378.71	45.00
*	99.000	99.00	.00	27.81	71.19	1377.40	9993.46	10010.49	1.77	1379.17	1379.17	45.00
*	99.000	131.00	4.65	34.80	91.55	1377.40	9958.37	10013.47	2.22	1379.62	1379.62	45.00
*	99.000	205.00	41.78	43.78	119.44	1377.40	9932.58	10018.18	2.60	1380.00	1380.00	45.00
*	99.000	287.00	80.23	54.54	152.23	1377.40	9928.53	10021.17	2.77	1380.17	1380.17	45.00
*	99.000	365.00	126.07	61.61	177.31	1377.40	9926.28	10050.69	2.96	1380.36	1380.36	45.00
	100.000	53.00	.00	27.53	25.46	1378.00	9965.67	10014.04	1.62	1379.62	.00	45.00
*	100.000	99.00	5.78	38.00	55.22	1378.00	9964.73	10019.64	2.02	1380.02	1379.97	45.00
	100.000	131.00	17.72	43.81	69.46	1378.00	9961.90	10023.65	2.20	1380.20	.00	45.00
	100.000	205.00	40.63	60.17	104.20	1378.00	9958.47	10028.52	2.39	1380.39	.00	45.00
	100.000	287.00	75.92	69.94	141.15	1378.00	9948.48	10064.68	2.65	1380.65	.00	45.00
	100.000	365.00	104.42	80.03	180.55	1378.00	9941.60	10068.15	2.79	1380.79	.00	45.00
*	101.000	53.00	.00	22.31	30.69	1378.90	9975.82	10053.29	1.24	1380.14	.00	45.00
*	101.000	99.00	.00	41.59	57.41	1378.90	9975.17	10055.49	1.56	1380.46	.00	45.00
	101.000	131.00	.00	54.80	76.19	1378.90	9974.27	10056.18	1.67	1380.57	.00	45.00
	101.000	205.00	.00	97.39	107.61	1378.90	9970.90	10058.02	1.94	1380.84	.00	45.00
	101.000	287.00	.00	140.43	146.57	1378.90	9966.46	10058.97	2.08	1380.98	.00	45.00
	101.000	365.00	.00	181.84	183.16	1378.90	9960.29	10076.52	2.21	1381.11	.00	45.00
*	102.000	53.00	.00	53.00	.00	1379.10	9968.43	10026.20	1.36	1380.46	.00	45.00
*	102.000	99.00	.00	99.00	.00	1379.10	9960.52	10029.32	1.73	1380.83	.00	45.00
*	102.000	131.00	.00	131.00	.00	1379.10	9960.14	10030.73	1.89	1380.99	.00	45.00
	102.000	205.00	2.86	200.66	1.48	1379.10	9932.73	10074.49	2.12	1381.22	.00	45.00
	102.000	287.00	21.99	246.99	18.02	1379.10	9917.00	10091.79	2.36	1381.46	.00	45.00
	102.000	365.00	43.85	274.62	46.53	1379.10	9917.00	10114.00	2.56	1381.66	.00	45.00
*	103.000	53.00	.00	53.00	.00	1378.90	9974.90	10026.33	2.14	1381.04	.00	45.00
*	103.000	99.00	.00	98.83	.17	1378.90	9968.37	10030.74	2.46	1381.36	.00	45.00
	103.000	131.00	.00	129.00	2.00	1378.90	9963.78	10078.79	2.58	1381.48	.00	45.00
	103.000	205.00	.00	182.37	22.63	1378.90	9956.83	10113.00	2.80	1381.70	.00	45.00
	103.000	287.00	.00	237.68	49.32	1378.90	9955.08	10113.00	2.94	1381.84	.00	45.00
	103.000	365.00	.00	281.50	83.50	1378.90	9953.41	10113.00	3.06	1381.96	.00	45.00
	104.000	53.00	.00	53.00	.00	1378.80	10004.35	10023.22	2.58	1381.38	.00	45.00
*	104.000	99.00	.00	99.00	.00	1378.80	9975.58	10025.74	2.98	1381.78	.00	45.00
*	104.000	131.00	.00	131.00	.00	1378.80	9973.39	10027.25	3.18	1381.98	.00	45.00
*	104.000	205.00	.00	204.99	.00	1378.80	9966.77	10030.68	3.46	1382.26	.00	45.00
*	104.000	287.00	.00	278.96	8.03	1378.80	9961.77	10115.00	3.66	1382.46	1382.32	45.00
*	104.000	365.00	.00	320.52	44.47	1378.80	9954.13	10115.00	3.84	1382.64	.00	45.00
*	105.000	53.00	.00	53.00	.00	1380.30	9975.31	10024.19	1.87	1382.17	.00	45.00
	105.000	99.00	.00	97.87	1.13	1380.30	9962.78	10116.00	2.30	1382.60	.00	45.00
*	105.000	131.00	.00	120.61	10.39	1380.30	9953.52	10116.00	2.47	1382.77	.00	45.00
*	105.000	205.00	2.71	165.97	36.32	1380.30	9929.93	10116.00	2.68	1382.98	.00	45.00
*	105.000	287.00	10.26	205.56	71.18	1380.30	9923.78	10116.00	2.84	1383.14	.00	45.00
*	105.000	365.00	17.95	244.93	102.11	1380.30	9919.00	10116.00	2.94	1383.24	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	106.000	53.00	.00	48.35	4.65	1381.20	9937.73	10117.00	1.62	1382.82	.00	45.00
*	106.000	99.00	4.10	72.35	22.54	1381.20	9920.00	10117.00	1.81	1383.01	.00	45.00
*	106.000	131.00	9.94	83.70	37.35	1381.20	9920.00	10117.00	1.92	1383.12	.00	45.00
*	106.000	205.00	24.65	110.71	69.64	1381.20	9920.00	10117.00	2.07	1383.27	.00	45.00
	106.000	287.00	41.60	140.12	105.28	1381.20	9920.00	10117.00	2.21	1383.41	.00	45.00
	106.000	365.00	58.39	166.92	139.68	1381.20	9920.00	10117.00	2.32	1383.52	.00	45.00
	107.000	53.00	.00	38.27	14.73	1381.60	9967.89	10117.00	1.44	1383.04	.00	45.00
	107.000	99.00	.00	62.97	36.03	1381.60	9962.19	10117.00	1.62	1383.22	.00	45.00
	107.000	131.00	.00	79.68	51.32	1381.60	9959.50	10117.00	1.71	1383.31	.00	45.00
	107.000	205.00	.00	117.25	87.75	1381.60	9959.43	10117.00	1.86	1383.46	.00	45.00
	107.000	287.00	.11	154.39	132.50	1381.60	9944.93	10117.00	2.00	1383.60	.00	45.00
	107.000	365.00	1.15	187.57	176.27	1381.60	9939.36	10117.00	2.11	1383.71	.00	45.00
	108.000	53.00	.00	1.76	51.24	1382.30	9975.58	10118.00	.88	1383.18	.00	45.00
	108.000	99.00	.00	10.61	88.39	1382.30	9975.24	10118.00	1.08	1383.38	.00	45.00
	108.000	131.00	.31	17.93	112.76	1382.30	9922.32	10118.00	1.18	1383.48	.00	45.00
	108.000	205.00	7.26	33.92	163.83	1382.30	9920.00	10118.00	1.35	1383.65	.00	45.00
	108.000	287.00	19.34	51.00	216.66	1382.30	9920.00	10118.00	1.50	1383.80	.00	45.00
	108.000	365.00	33.39	66.98	264.63	1382.30	9920.00	10118.00	1.63	1383.93	.00	45.00
	109.000	53.00	.00	.00	53.00	1382.30	10020.38	10075.44	1.02	1383.32	.00	45.00
*	109.000	99.00	.00	.52	98.48	1382.30	9975.35	10077.03	1.17	1383.47	1383.44	45.00
*	109.000	131.00	.26	7.38	123.36	1382.30	9948.82	10079.43	1.41	1383.71	1383.71	45.00
	109.000	205.00	5.61	26.34	173.05	1382.30	9938.95	10082.04	1.62	1383.92	1383.92	45.00
*	109.000	287.00	17.19	44.42	225.39	1382.30	9929.91	10098.33	1.75	1384.05	1384.05	45.00
*	109.000	365.00	31.28	61.36	272.35	1382.30	9928.97	10100.08	1.85	1384.15	1384.15	45.00
*	110.000	53.00	.82	43.42	8.76	1383.70	9969.50	10071.73	.55	1384.24	1384.24	45.00
*	110.000	99.00	5.18	72.94	20.87	1383.70	9953.45	10073.92	.70	1384.40	1384.40	45.00
*	110.000	131.00	10.86	90.83	29.31	1383.70	9952.32	10074.46	.78	1384.48	1384.48	45.00
*	110.000	205.00	30.73	123.51	50.76	1383.70	9949.12	10075.99	1.00	1384.70	.00	45.00
*	110.000	287.00	47.70	166.51	72.79	1383.70	9943.58	10076.49	1.07	1384.77	1384.77	45.00
*	110.000	365.00	74.34	193.69	96.97	1383.70	9933.30	10077.74	1.25	1384.95	.00	45.00
*	111.000	53.00	10.02	35.37	7.61	1384.00	9943.93	10070.51	.81	1384.81	.00	45.00
*	111.000	99.00	23.96	58.27	16.77	1384.00	9919.00	10071.45	.98	1384.98	.00	45.00
*	111.000	131.00	34.88	72.44	23.68	1384.00	9919.00	10071.99	1.08	1385.08	.00	45.00
*	111.000	205.00	62.78	102.47	39.75	1384.00	9919.00	10072.89	1.22	1385.22	.00	45.00
*	111.000	287.00	97.35	130.97	58.68	1384.00	9919.00	10073.92	1.41	1385.41	.00	45.00
*	111.000	365.00	128.63	159.82	76.55	1384.00	9919.00	10074.49	1.52	1385.52	.00	45.00
	112.000	53.00	23.39	23.07	6.53	1384.20	9920.22	10062.58	.80	1385.00	.00	45.00
	112.000	99.00	46.27	38.88	13.85	1384.20	9920.00	10070.24	.98	1385.18	.00	45.00
	112.000	131.00	62.02	49.29	19.69	1384.20	9920.00	10070.99	1.07	1385.27	.00	45.00
	112.000	205.00	97.91	72.81	34.28	1384.20	9920.00	10072.22	1.24	1385.44	.00	45.00
	112.000	287.00	137.26	96.93	52.80	1384.20	9920.00	10073.63	1.42	1385.62	.00	45.00
	112.000	365.00	174.14	119.62	71.24	1384.20	9920.00	10074.70	1.55	1385.75	.00	45.00

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*********************************************
*  HEC-2 WATER SURFACE PROFILES             *
*                                           *
*  Version   4.6.2;  May 1991               *
*                                           *
*  RUN DATE    03NOV94    TIME   16:05:35   *
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****************************************
*  U.S. ARMY CORPS OF ENGINEERS        *
*  HYDROLOGIC ENGINEERING CENTER       *
*  609 SECOND STREET, SUITE D          *
*  DAVIS, CALIFORNIA 95616-4687        *
*          (916) 756-1104              *
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X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
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THIS RUN EXECUTED 03NOV94 16:05:35

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****************************************
 HEC-2 WATER SURFACE PROFILES

 Version   4.6.2;  May 1991
****************************************


T1       SHEA BOULEVARD AND 82ND STREET DRAINAGE IMPROVEMENTS
T2       EXISTING CHANNEL - NO IMPROVEMENTS
T2       - FLOWS INCREASED W/ TBIRD WASH
T2       - CONNECTOR AT CORTEZ INTERCEPTS 100-YR FLOW
T2       - INTERIM CONDITION
T2       FILE CHALINRV.DAT
T2       2-5-10-25-50-100-YEAR STORM
T3       2-YEAR STORM

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0         2         0         0       .01         0       0.3         0    1354.5         0

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

      1         0        -1


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

     38        43        13        14        15        42        53        54         8         1
      2        17

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

    -10       -10

NC    0.030     0.030     0.020       0.1       0.3
QT        6        57       120       163       240       317       399
X1     1.00        22    9968.4   10024.6
GR   1358.7    9915.3    1358.9    9937.4    1358.9    9960.3    1356.0    9963.1    1356.0    9968.4
GR   1354.5    9978.4    1353.4    9983.7    1352.3    9987.0    1352.2    9993.1    1351.4    9997.6
GR   1351.8   10000.0    1353.4   10006.8    1354.4   10014.1    1355.6   10020.5    1355.9   10024.6
GR   1356.0   10032.5    1355.9   10042.0    1355.5   10051.7    1355.0   10060.0    1354.8   10069.1
GR   1354.4   10073.8    1354.4   10100.9       0.0       0.0       0.0       0.0       0.0       0.0

X1     2.00        22    9972.9   10023.2        57        57        57
GR   1358.5    9900.4    1358.7    9919.3    1358.5    9941.0    1358.2    9964.1    1356.8    9965.6
GR   1355.9    9972.9    1355.7    9979.4    1353.4    9989.9    1352.6    9994.5    1351.8    9998.7
GR   1352.1   10000.0    1353.1   10005.5    1353.8   10011.7    1355.3   10019.1    1355.9   10023.2
GR   1356.2   10030.8    1356.7   10043.9    1356.4   10057.6    1356.4   10066.8    1356.5   10078.3
GR   1356.7   10084.6    1356.8   10100.6       0.0       0.0       0.0       0.0       0.0       0.0
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NC				0.3	0.5					
X1	4.00	20	9994.0	10006.0	56	56	56			
X3	10							1356.7	1356.7	
GR	1357.3	9901.3	1357.5	9918.9	1357.1	9951.5	1357.7	9952.0	1357.7	9960.0
GR	1357.4	9968.3	1356.9	9978.3	1356.5	9980.0	1355.5	9986.8	1351.6	9994.0
GR	1351.6	10000.0	1351.6	10006.0	1355.5	10014.6	1356.5	10020.9	1356.5	10021.0
GR	1357.0	10031.2	1357.0	10043.6	1356.8	10052.8	1357.0	10078.3	1357.0	10102.9
SC	1.012	0.5	3.0	0	3	12	80	8.3	1352.3	1351.6
X1	5.00	19	9994.0	10006.0	75	85	80			
X2	0	0	2							
X3	10							1357.7	1357.7	
BT	3	9900	1357.8		10000	1357.8		10100	1357.7	
GR	1357.0	9900.4	1356.6	9923.4	1356.8	9941.0	1356.5	9958.8	1356.5	9973.3
GR	1355.9	9983.7	1354.6	9991.1	1352.3	9994.0	1352.3	9999.6	1352.3	10000.0
GR	1352.3	10006.0	1356.3	10007.1	1357.1	10012.6	1357.2	10022.0	1357.1	10033.9
GR	1356.6	10035.5	1356.7	10058.0	1356.5	10085.2	1356.3	10101.5	0.0	0.0
NC				0.1	0.3					
X1	6.00	22	9972.4	10017.5	9	14	17			
GR	1356.8	9901.7	1356.8	9917.1	1356.6	9941.7	1356.5	9962.6	1356.3	9972.4
GR	1355.6	9979.0	1354.3	9986.4	1353.2	9990.2	1352.9	9993.7	1352.8	9996.9
GR	1352.8	10000.0	1353.0	10006.5	1353.8	10009.7	1356.3	10014.6	1357.0	10017.5
GR	1357.0	10023.9	1357.0	10035.8	1356.9	10048.7	1356.5	10050.1	1356.6	10065.2
GR	1356.3	10088.8	1356.2	10099.8	0.0	0.0	0.0	0.0	0.0	0.0
X1	7.00	23	9968.8	10027.9	26	31	28			
GR	1358.1	9900.7	1358.1	9902.1	1357.1	9910.8	1356.6	9921.1	1356.3	9941.0
GR	1356.4	9957.9	1356.2	9968.8	1355.8	9975.1	1354.8	9983.3	1353.4	9992.3
GR	1353.3	9996.9	1353.3	10000.0	1353.5	10005.9	1353.9	10011.4	1354.6	10016.8
GR	1355.8	10022.7	1356.3	10027.9	1356.5	10034.0	1356.6	10047.8	1356.1	10060.6
GR	1356.2	10073.8	1356.2	10089.2	1356.3	10101.5	0.0	0.0	0.0	0.0
X1	8.00	22	9967.5	10026.0	33	55	45			
GR	1357.8	9901.2	1358.0	9908.8	1357.7	9918.5	1357.0	9932.2	1356.7	9944.9
GR	1356.4	9958.7	1356.3	9967.5	1355.6	9977.0	1354.5	9985.8	1353.9	9991.2
GR	1353.7	9998.5	1353.8	10000.0	1354.0	10006.2	1354.2	10011.8	1355.2	10020.2
GR	1356.0	10026.0	1356.1	10032.8	1356.2	10042.5	1356.2	10056.7	1356.4	10073.0
GR	1356.3	10090.7	1356.3	10100.6	0.0	0.0	0.0	0.0	0.0	0.0
X1	9.00	20	9953.9	10032.2	48	51	49			
GR	1359.0	9900.8	1358.3	9943.5	1358.3	9953.9	1356.4	9974.9	1355.6	9981.2
GR	1354.3	9986.7	1354.0	9991.8	1354.0	9999.2	1354.0	10000.0	1354.0	10006.2
GR	1354.4	10012.1	1355.1	10019.4	1355.6	10026.2	1356.3	10032.2	1356.2	10039.1
GR	1356.5	10046.2	1356.3	10055.8	1356.3	10073.1	1355.9	10095.7	1355.8	10100.4
X1	10.00	17	9901.2	10031.2	51	49	50			
GR	1358.7	9851.1	1358.8	9901.2	1355.7	9976.5	1354.4	9986.5	1354.1	9992.1
GR	1354.0	9997.2	1354.1	10000.0	1354.4	10005.4	1354.9	10013.4	1355.7	10019.1
GR	1356.2	10024.9	1356.5	10031.2	1356.8	10040.2	1356.6	10043.4	1356.4	10051.8
	1355.9	10094.6	1356.0	10100.0	0.0	0.0	0.0	0.0	0.0	0.0

X	11.00	20	9961.3	10033.9	51	49	50			
GR	1357.8	9906.2	1357.7	9937.7	1358.0	9941.1	1357.9	9950.1	1357.8	9961.3
GR	1357.3	9969.3	1355.2	9983.7	1354.7	9990.1	1354.4	9996.0	1354.3	10000.0
GR	1354.6	10005.0	1354.9	10012.9	1355.5	10020.3	1356.2	10026.9	1356.6	10033.9
GR	1356.5	10043.6	1356.2	10055.0	1356.0	10074.2	1356.0	10087.8	1356.0	10106.0
X1	12.00	23	9951.3	10036.2	50	50	50			
GR	1358.0	9900.4	1357.9	9912.6	1357.8	9928.4	1357.2	9938.9	1357.1	9951.3
GR	1355.6	9973.5	1355.1	9980.4	1355.3	9985.5	1355.1	9989.1	1354.5	9993.7
GR	1354.2	9997.2	1354.2	9998.4	1354.3	10000.0	1355.0	10004.9	1355.6	10011.3
GR	1356.1	10017.8	1356.3	10025.7	1356.6	10036.2	1356.4	10049.2	1356.0	10060.7
GR	1356.0	10076.4	1356.0	10097.6	1356.1	10100.2	0.0	0.0	0.0	0.0
X1	13.00	19	9927.3	10034.4	51	49	50			
GR	1357.3	9900.7	1357.3	9912.8	1357.3	9927.3	1356.8	9943.7	1356.2	9960.4
GR	1355.7	9971.4	1355.4	9980.7	1355.5	9988.6	1355.0	9993.1	1354.8	9998.2
GR	1354.9	10000.0	1355.3	10005.7	1356.0	10013.4	1356.3	10023.0	1356.5	10034.4
GR	1356.4	10048.1	1356.4	10065.4	1356.4	10079.8	1356.2	10101.5	0.0	0.0
X1	14.00	23	9908.6	10043.3	51	49	50			
GR	1360.0	9906.0	1360.0	9908.6	1359.1	9919.6	1358.6	9930.8	1357.9	9945.3
GR	1357.7	9958.0	1357.3	9968.5	1356.2	9977.7	1355.3	9986.8	1354.4	9995.2
GR	1353.9	9997.5	1354.1	9999.4	1354.1	10000.0	1354.3	10004.0	1354.7	10007.2
GR	1355.7	10014.4	1356.2	10022.1	1356.6	10033.6	1357.2	10043.3	1357.0	10061.5
GR	1356.7	10078.5	1356.5	10098.0	1356.4	10106.8	0.0	0.0	0.0	0.0
X1	15.00	27	9947.5	10043.8	50	24	37			
GR	1359.9	9912.7	1359.9	9935.2	1359.5	9947.5	1358.8	9959.7	1358.1	9970.9
GR	1357.4	9978.1	1355.6	9982.1	1354.5	9985.2	1354.5	9987.1	1355.0	9989.5
GR	1354.9	9992.9	1354.5	9997.4	1354.3	10000.0	1354.0	10002.3	1354.3	10005.4
GR	1354.4	10008.2	1354.8	10011.6	1355.9	10019.3	1356.6	10023.4	1356.8	10033.3
GR	1357.0	10043.8	1357.3	10054.4	1356.9	10065.2	1356.7	10073.8	1356.8	10091.1
GR	1356.5	10110.5	1356.5	10112.3	0.0	0.0	0.0	0.0	0.0	0.0
NC				0.3	0.5					
X1	16.00	14	9988.0	10012.0	41	6	25			
X3	10							1358.7	1358.7	
GR	1359.9	9901.0	1359.8	9957.2	1359.3	9985.3	1354.6	9988.0	1354.3	9996.9
GR	1354.3	10000.0	1354.3	10004.6	1354.3	10012.0	1359.3	10012.0	1359.4	10017.7
GR	1359.6	10026.4	1359.5	10033.6	1359.5	10086.5	1359.4	10101.0	0.0	0.0
SC	2.012	0.4	3.0	0	3	12	111	8.3	1354.5	1354.3
X1	17.00	18	9988.0	10012.0	111	106	111			
X2	0	0	2							
X3	10							1359.7	1359.7	
BT	4	9955.5	1359.7		9969.5	1359.7		10000	1359.8	
BT	10100	1359.9								
GR	1359.8	9947.0	1359.8	9955.5	1359.1	9969.5	1356.5	9978.6	1355.7	9985.4
GR	1354.7	9985.5	1354.5	9988.0	1354.5	9996.8	1354.5	10000.0	1354.5	10010.0
GR	1354.5	10012.0	1358.0	10013.4	1358.5	10025.4	1359.0	10038.3	1358.9	10054.4
[illegible]	1358.7	10071.4	1358.5	10089.0	1359.9	10100	0.0	0.0	0.0	0.0

NC				0.1	0.3					
QT	6	30	63	86	122	155	195			
X1	18.00	17	9989.6	10008.8	25	44	28			
GR	1358.7	9901.0	1358.6	9920.1	1358.5	9950.0	1358.5	9971.5	1358.5	9989.6
GR	1355.3	9994.4	1354.9	9996.6	1354.9	10000.0	1354.9	10002.9	1358.3	10008.8
GR	1358.1	10017.1	1358.0	10035.8	1357.8	10051.1	1357.6	10066.6	1357.5	10077.9
GR	1357.7	10088.7	1357.6	10101.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	19.00	21	9989.0	10008.7	37	37	37			
GR	1359.0	9901.0	1358.8	9912.6	1358.6	9931.2	1358.6	9952.4	1358.6	9972.0
GR	1358.5	9989.0	1355.3	9994.0	1355.0	9995.0	1355.0	9998.6	1355.0	10000.0
GR	1355.0	10002.7	1358.6	10008.7	1358.6	10010.1	1358.3	10014.3	1358.1	10028.1
GR	1358.0	10047.1	1357.9	10062.1	1357.6	10070.0	1358.0	10077.7	1358.1	10087.3
GR	1358.0	10100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	20.00	22	9938.9	10008.2	39	39	39			
GR	1359.7	9900.0	1359.9	9908.4	1359.9	9938.9	1359.1	9940.1	1358.8	9954.9
GR	1358.8	9969.0	1358.8	9983.3	1358.6	9988.9	1355.1	9994.6	1355.1	9998.3
GR	1355.1	10000.0	1355.2	10002.9	1358.6	10008.2	1358.4	10015.3	1358.5	10025.3
GR	1358.4	10046.4	1358.3	10060.4	1358.0	10068.3	1357.8	10076.1	1357.9	10082.1
GR	1358.3	10094.7	1358.3	10101.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	21.00	25	9989.2	10008.8	56	56	56			
GR	1359.5	9901.0	1359.3	9909.9	1359.2	9926.4	1359.1	9955.3	1359.3	9971.0
GR	1359.1	9982.5	1359.0	9987.9	1358.8	9989.2	1355.1	9995.3	1355.1	9998.4
	1355.2	10000.0	1355.4	10003.2	1358.8	10008.8	1358.6	10013.6	1358.4	10021.5
GR	1358.5	10033.3	1358.7	10047.3	1358.7	10067.0	1358.4	10075.5	1358.1	10081.3
GR	1357.8	10083.3	1358.5	10086.9	1358.1	10090.3	1358.6	10093.8	1358.7	10101.0
X1	22.00	26	9988.6	10008.2	58	58	58			
GR	1359.4	9901.0	1359.2	9918.3	1359.1	9934.3	1359.2	9948.6	1359.4	9963.0
GR	1359.4	9974.0	1359.1	9982.6	1359.0	9988.6	1355.3	9994.3	1355.3	9998.0
GR	1355.4	10000.0	1355.3	10002.1	1359.1	10008.2	1359.1	10013.4	1359.2	10020.6
GR	1359.0	10027.7	1359.0	10038.0	1359.1	10049.3	1359.0	10058.2	1358.5	10065.5
GR	1358.3	10068.1	1358.3	10073.5	1359.1	10079.5	1359.1	10085.7	1359.0	10096.7
GR	1358.7	10100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	23.00	25	9989.3	10009.0	53	53	53			
GR	1361.8	9919.3	1361.7	9945.2	1359.7	9949.1	1359.3	9961.0	1359.6	9970.0
GR	1360.6	9975.2	1359.7	9979.1	1359.4	9984.7	1359.1	9989.3	1355.5	9994.8
GR	1355.6	9998.6	1355.6	10000.0	1355.7	10002.9	1359.2	10009.0	1359.2	10015.6
GR	1359.5	10026.6	1359.5	10032.6	1359.2	10040.4	1359.1	10046.9	1358.8	10049.8
GR	1359.3	10055.9	1359.2	10067.7	1359.4	10080.2	1359.5	10092.4	1359.3	10101.0
X1	24.00	23	9989.1	10008.8	41	41	41			
GR	1360.9	9928.9	1360.2	9940.1	1360.1	9943.8	1359.9	9958.8	1359.9	9972.9
GR	1360.0	9979.3	1359.8	9984.9	1359.5	9987.4	1359.3	9989.1	1355.8	9994.6
GR	1355.7	9998.3	1355.6	10000.0	1355.6	10002.3	1359.6	10008.8	1359.7	10015.6
GR	1360.1	10023.7	1360.1	10030.2	1359.7	10041.1	1359.7	10050.4	1359.8	10062.3
GR	1359.7	10078.7	1359.7	10097.7	1359.7	10101.0	0.0	0.0	0.0	0.0

X1	25.00	18	9988.3	10008.8	90	1	51			
GR	1360.2	9951.1	1360.1	9960.2	1359.9	9975.6	1359.7	9984.7	1359.7	9988.3
GR	1355.8	9994.1	1355.8	9997.5	1355.7	10000.0	1355.7	10001.3	1360.5	10008.8
GR	1360.3	10015.3	1360.6	10025.6	1360.7	10039.4	1360.4	10056.0	1360.4	10071.7
GR	1360.7	10087.0	1361.0	10099.7	1360.9	10100.1	0.0	0.0	0.0	0.0
X1	26.00	23	9987.4	10006.8	100	1	50			
GR	1360.1	9950.0	1360.4	9957.4	1360.3	9963.6	1360.3	9969.1	1360.4	9975.7
GR	1360.0	9983.9	1359.8	9986.0	1359.8	9987.4	1356.1	9993.8	1356.1	9996.9
GR	1356.2	10000.0	1356.3	10001.1	1359.9	10006.8	1359.8	10008.5	1360.0	10014.6
GR	1360.5	10020.9	1360.4	10030.0	1360.4	10043.8	1360.5	10060.9	1360.8	10073.9
GR	1361.1	10088.4	1361.3	10097.3	1361.3	10099.0	0.0	0.0	0.0	0.0
X1	27.00	21	9982.8	10007.4	55	55	55			
GR	1361.7	9955.6	1361.1	9969.3	1361.0	9978.8	1360.8	9982.8	1360.1	9986.9
GR	1360.1	9988.3	1356.4	9994.5	1356.4	9997.5	1356.4	10000.0	1356.4	10001.7
GR	1360.1	10007.4	1360.1	10008.6	1360.3	10014.0	1360.6	10025.6	1360.7	10036.4
GR	1360.8	10049.6	1360.6	10057.7	1360.8	10067.1	1361.4	10078.8	1361.8	10088.3
GR	1361.8	10099.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	28.00	28	9987.0	10009.9	26	55	44			
GR	1359.7	9901.0	1360.3	9916.2	1360.4	9932.7	1360.7	9942.0	1361.2	9951.5
GR	1361.6	9958.6	1361.6	9966.5	1361.3	9973.1	1361.3	9978.9	1361.2	9981.5
GR	1360.4	9985.7	1360.4	9987.0	1356.3	9993.6	1356.3	9997.2	1356.5	10000.0
GR	1356.4	10003.6	1360.3	10009.9	1360.3	10011.6	1360.7	10015.0	1361.0	10023.1
[illegible]	1360.9	10030.9	1361.0	10042.2	1360.6	10051.6	1360.5	10058.6	1360.7	10066.3
GR	1360.9	10074.5	1361.0	10084.4	1361.9	10100.9	0.0	0.0	0.0	0.0
X1	29.00	33	9988.3	10007.9	28	55	43			
GR	1360.9	9899.3	1361.3	9911.7	1361.4	9925.6	1361.4	9936.5	1361.2	9944.5
GR	1361.1	9953.1	1361.3	9961.9	1361.4	9969.4	1361.2	9974.1	1360.6	9978.2
GR	1360.3	9987.0	1360.4	9988.3	1356.8	9993.0	1356.8	9997.0	1356.6	10000.0
GR	1356.7	10001.5	1360.4	10007.9	1360.5	10009.9	1361.0	10012.8	1361.4	10016.5
GR	1361.3	10022.1	1361.2	10028.3	1361.3	10034.3	1361.0	10037.6	1360.8	10039.0
GR	1361.0	10044.2	1361.0	10052.1	1361.0	10059.6	1361.1	10068.4	1361.2	10073.8
GR	1361.4	10083.7	1361.4	10086.9	1361.4	10098.8	0.0	0.0	0.0	0.0
NC				0.3	0.5					
X1	31.00	30	9994.0	10006.0	4	4	4			
X3	10							1360.8	1360.8	
GR	1360.9	9900.1	1361.0	9908.5	1360.8	9916.0	1360.9	9924.1	1361.2	9928.5
GR	1361.5	9936.2	1361.2	9949.0	1361.1	9962.9	1361.2	9974.1	1360.9	9981.9
GR	1360.9	9984.8	1361.2	9991.5	1356.7	9994.0	1356.7	10000.0	1356.7	10004.2
GR	1356.7	10006.0	1360.5	10011.0	1360.5	10016.0	1360.5	10020.1	1361.1	10023.5
GR	1360.7	10028.8	1361.2	10033.9	1361.1	10039.8	1361.1	10048.2	1361.0	10058.0
GR	1361.0	10069.4	1361.4	10078.6	1361.5	10087.5	1361.7	10092.8	1361.7	10099.0
SC	1.012	0.4	3.0	0	3	12	55	8.3	1356.8	1356.7
X1	32.00	29	9994.0	10006.0	55	55	55			
X2	0	0	2							
[illegible]	10							1360.8	1360.8	
BT	4	9988.8	1360.9		9994	1360.8		10006	1360.8	
BT	10012	1361.1								

[illegible]	1361.5	9900.7	1361.2	9905.0	1362.0	9908.6	1361.9	9911.2	1361.1	9913.4
GR	1361.3	9918.2	1361.1	9922.2	1361.2	9928.4	1361.3	9933.8	1361.3	9936.0
GR	1361.6	9938.2	1361.8	9943.0	1361.6	9952.8	1361.4	9965.8	1361.1	9977.3
GR	1361.0	9985.5	1360.9	9988.8	1356.8	9994.0	1356.8	10000.0	1356.8	10006.0
GR	1361.1	10012	1361.4	10026.2	1361.6	10037.8	1361.7	10049.4	1361.6	10062.9
GR	1361.4	10070.2	1361.2	10080.5	1361.0	10091.2	1361.1	10100.2	0.0	0.0
NC	0.030	0.030	0.045	0.1	0.3					
QT	6	23	51	68	97	125	157			
X1	33.00	26	9966.6	10025.2	5	5	5			
GR	1361.3	9899.8	1361.0	9908.7	1360.9	9919.1	1361.4	9928.7	1361.3	9935.3
GR	1361.7	9937.1	1361.7	9943.0	1361.6	9956.2	1361.5	9966.6	1361.1	9973.6
GR	1360.8	9981.3	1360.8	9984.8	1359.2	9987.8	1359.2	10000.0	1359.3	10004.6
GR	1361.2	10007.6	1361.2	10013.7	1361.5	10025.2	1361.7	10038.3	1361.9	10050.0
GR	1362.0	10062.0	1361.9	10072.5	1361.7	10075.3	1361.4	10083.6	1361.2	10095.8
GR	1361.2	10100.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	34.00	29	9969.1	10007.9	3	3	3			
GR	1361.3	9899.3	1361.1	9908.0	1361.0	9917.6	1361.3	9926.1	1361.3	9933.1
GR	1361.7	9935.9	1361.8	9944.8	1361.7	9958.6	1361.5	9969.1	1361.1	9974.5
GR	1360.9	9980.0	1360.5	9982.8	1359.2	9987.9	1359.2	9990.8	1358.7	9995.9
GR	1358.3	9998.3	1358.6	10000.0	1359.4	10004.4	1361.1	10007.9	1361.3	10010.7
GR	1361.5	10021.5	1361.6	10036.4	1361.9	10049.3	1361.9	10062.4	1361.9	10072.7
GR	1361.8	10075.9	1361.4	10080.0	1361.3	10089.5	1361.2	10099.9	0.0	0.0
X1	35.00	30	9983.8	10010.4	6	38	15			
[illegible]	1362.1	9892.7	1362.1	9892.7	1362.2	9902.7	1362.2	9916.0	1362.0	9927.6
GR	1361.8	9930.3	1361.8	9938.3	1361.9	9943.6	1361.9	9951.2	1361.9	9954.5
GR	1362.2	9959.3	1362.5	9963.8	1362.4	9972.0	1362.2	9983.8	1361.4	9990.6
GR	1359.1	9994.2	1358.9	9997.6	1359.1	10000.0	1361.3	10005.5	1361.5	10010.4
GR	1361.6	10018.0	1361.7	10029.1	1361.9	10040.3	1362.0	10052.5	1362.1	10061.8
GR	1362.1	10071.9	1361.9	10079.8	1361.6	10082.0	1361.4	10091.0	1361.2	10095.7
X1	36.00	32	9990.8	10014.3	27	36	36			
GR	1362.1	9891.5	1361.9	9897.2	1361.8	9912.0	1361.9	9926.3	1362.0	9929.1
GR	1362.0	9940.2	1362.0	9950.4	1362.1	9967.3	1362.1	9978.8	1362.2	9985.6
GR	1361.9	9990.8	1360.9	9994.0	1359.5	9995.2	1359.9	9998.5	1360.5	10000.0
GR	1361.9	10003.9	1362.2	10006.7	1362.3	10014.3	1362.1	10022.1	1361.8	10028.3
GR	1361.6	10035.0	1361.8	10040.0	1361.6	10045.0	1361.7	10049.7	1362.1	10056.0
GR	1362.3	10064.6	1362.5	10073.6	1362.5	10081.4	1362.3	10088.9	1361.9	10090.0
GR	1361.7	10095.4	1361.5	10100.9	0.0	0.0	0.0	0.0	0.0	0.0
X1	37.00	33	9985.4	10006.6	15	35	24			
GR	1362.2	9885.3	1362.3	9901.6	1362.1	9925.1	1362.1	9948.5	1362.1	9964.6
GR	1362.4	9974.9	1362.5	9982.4	1362.3	9985.4	1361.7	9991.6	1360.5	9994.2
GR	1359.5	9996.0	1359.4	9997.1	1359.8	9998.4	1360.6	10000.0	1361.8	10003.0
GR	1362.4	10006.6	1362.4	10008.1	1362.3	10016.6	1362.0	10024.7	1361.7	10032.1
GR	1361.8	10037.0	1361.8	10042.9	1361.6	10047.6	1361.5	10048.9	1362.0	10055.3
GR	1362.2	10062.1	1362.4	10069.5	1362.6	10079.2	1362.5	10087.7	1362.4	10090.9
GR	1362.0	10092.7	1362.2	10094.7	1362.0	10099.9	0.0	0.0	0.0	0.0

X1	38.00	28	9983.1	10012.0	28	30	33			
GR	1362.8	9861.6	1362.3	9954.5	1362.2	9967.9	1362.2	9974.9	1362.0	9983.1
GR	1361.3	9988.0	1360.4	9994.0	1359.6	9996.3	1359.5	9997.1	1359.6	9998.7
GR	1360.5	10000.0	1360.5	10000.0	1361.5	10003.2	1361.8	10005.9	1362.2	10012.0
GR	1361.8	10017.1	1362.2	10023.8	1362.3	10033.6	1362.1	10046.1	1361.5	10051.0
GR	1362.0	10057.0	1362.2	10063.6	1362.5	10071.9	1362.6	10078.6	1362.6	10085.6
GR	1362.4	10092.5	1362.2	10095.1	1361.9	10100.2	0.0	0.0	0.0	0.0
X1	39.00	22	9963.5	10006.6	67	35	55			
GR	1362.8	9879.1	1362.7	9904.6	1362.9	9921.5	1363.1	9950.8	1363.0	9963.5
GR	1362.7	9978.7	1362.5	9988.8	1361.1	9993.8	1359.8	9995.7	1359.8	9996.8
GR	1360.1	9998.0	1361.1	10000.0	1362.9	10003.6	1363.0	10006.6	1362.6	10012.4
GR	1362.7	10022.0	1362.4	10038.9	1362.4	10054.8	1362.6	10068.1	1362.7	10080.4
GR	1362.7	10091.7	1362.6	10100.6	0.0	0.0	0.0	0.0	0.0	0.0
X1	40.00	17	9988.9	10020.3	47	46	51			
GR	1363.0	9895.4	1363.1	9907.2	1363.0	9942.5	1362.9	9963.9	1363.1	9978.0
GR	1363.2	9978.4	1363.0	9988.9	1360.6	9996.4	1360.4	10000.0	1362.2	10014.4
GR	1362.9	10020.3	1362.9	10037.7	1362.9	10046.9	1362.7	10051.1	1362.7	10062.5
GR	1362.8	10073.5	1362.8	10100.8	0.0	0.0	0.0	0.0	0.0	0.0
X1	41.00	15	9967.6	10005.0	58	74	72			
GR	1363.2	9867.7	1363.3	9890.1	1363.4	9904.6	1363.4	9918.2	1363.3	9939.3
GR	1363.4	9959.0	1363.6	9967.6	1360.1	9993.5	1360.8	9997.6	1361.8	10000.0
GR	1364.3	10005.0	1364.2	10011.1	1363.4	10025.0	1363.4	10036.4	1363.5	10043.9
X1	42.00	28	9990.0	10009.7	65	57	62			
GR	1363.5	9890.1	1363.5	9899.2	1363.6	9914.5	1363.5	9933.0	1363.5	9950.6
GR	1363.7	9962.7	1363.9	9972.0	1363.8	9979.0	1363.8	9988.7	1363.7	9990.0
GR	1362.9	9993.1	1360.6	9997.1	1360.8	9998.3	1362.0	10000.0	1364.3	10005.3
GR	1363.3	10007.5	1364.1	10009.7	1364.2	10011.1	1363.2	10013.9	1364.1	10014.7
GR	1364.0	10022.7	1364.0	10025.6	1363.7	10039.3	1363.6	10048.1	1363.8	10053.7
GR	1363.8	10073.3	1363.6	10086.8	1363.7	10095.0	0.0	0.0	0.0	0.0
X1	43.00	22	9989.0	10012.2	52	94	80			
GR	1364.4	9912.1	1364.1	9919.9	1363.8	9929.9	1363.8	9943.2	1363.6	9954.6
GR	1363.6	9963.4	1363.8	9973.3	1364.0	9983.4	1363.9	9989.0	1362.9	9992.9
GR	1360.9	9996.4	1360.9	9997.8	1362.0	10000.0	1364.0	10002.2	1364.3	10005.0
GR	1364.4	10012.2	1364.2	10013.0	1364.1	10031.5	1364.0	10040.4	1363.9	10071.2
GR	1363.8	10129.3	1363.8	10153.5	0.0	0.0	0.0	0.0	0.0	0.0
X1	44.00	27	9989.8	10012.1	53	45	50			
GR	1365.0	9896.9	1365.0	9908.7	1364.4	9920.2	1364.1	9930.1	1364.0	9942.0
GR	1364.1	9952.4	1364.0	9960.7	1363.9	9969.6	1363.8	9971.1	1364.2	9977.9
GR	1364.3	9986.7	1364.4	9989.8	1364.1	9992.6	1361.2	9997.3	1361.0	9997.8
GR	1361.4	10000.0	1364.4	10004.6	1364.6	10012.1	1364.1	10030.0	1364.2	10037.3
GR	1364.5	10056.8	1363.9	10085.8	1363.7	10122.6	1364.1	10139.9	1364.4	10148.7
GR	1364.7	10158.2	1364.7	10159.1	0.0	0.0	0.0	0.0	0.0	0.0

X	45.00	29	9998.0	10034.8	43	54	50			
GR	1364.8	9900.0	1364.6	9928.7	1364.3	9948.4	1364.3	9956.8	1364.2	9962.2
GR	1363.8	9966.3	1364.2	9969.9	1364.1	9978.1	1364.2	9986.7	1364.5	9992.8
GR	1364.6	9998.0	1362.2	10006.0	1362.1	10008.0	1362.5	10010.2	1364.7	10015.1
GR	1365.0	10022.8	1365.3	10034.8	1365.1	10042.5	1364.8	10050.8	1364.2	10079.1
GR	1363.9	10105.9	1363.9	10119.7	1363.7	10131.1	1364.1	10135.8	1364.0	10147.8
GR	1364.5	10156.6	1364.7	10158.4	1364.8	10168.1	1364.8	10177.5	0.0	0.0
X1	46.00	28	9988.4	10038.2	49	51	51			
GR	1365.6	9938.3	1365.0	9944.8	1365.1	9952.0	1365.2	9958.6	1365.2	9961.8
GR	1365.3	9972.3	1364.4	9976.1	1364.5	9982.4	1364.7	9988.4	1364.5	9992.7
GR	1362.4	9999.0	1362.3	10000.0	1364.1	10003.2	1364.8	10009.9	1364.9	10026.4
GR	1365.2	10038.2	1364.8	10046.4	1364.8	10055.1	1364.9	10062.1	1364.7	10069.3
GR	1364.4	10083.8	1364.3	10095.5	1364.2	10108.4	1364.3	10117.7	1364.4	10194.2
GR	1364.6	10227	1364.6	10240.4	1364.7	10253.2				
X1	47.00	31	9969.9	10042.4	49	50	50			
GR	1365.6	9900.0	1365.7	9924.1	1365.5	9929.4	1365.1	9931.2	1365.2	9940.3
GR	1365.0	9950.3	1365.0	9958.7	1365.1	9962.9	1365.9	9969.9	1365.6	9973.7
GR	1364.7	9977.2	1364.7	9983.7	1364.7	9983.9	1364.7	9990.4	1362.7	9999.5
GR	1362.7	10001.1	1364.5	10005.1	1364.7	10017.2	1364.8	10024.2	1365.1	10037.7
GR	1365.2	10042.4	1364.9	10059.2	1364.7	10072.8	1364.5	10085.9	1364.6	10106.0
GR	1364.5	10126.9	1364.5	10144.2	1364.7	10173.5	1364.7	10204.0	1364.8	10231.5
GR	1364.8	10252.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	48.00	31	9986.0	10023.0	46	49	48			
GR	1365.5	9890.0	1365.3	9904.1	1365.3	9917.2	1365.9	9925.5	1364.9	9932.8
GR	1364.8	9948.0	1365.0	9964.8	1365.0	9973.0	1365.5	9986.0	1364.8	9990.0
GR	1363.7	9993.9	1361.8	9995.8	1361.7	9997.7	1362.8	10000.0	1364.1	10002.7
GR	1364.7	10008.1	1365.0	10020.3	1365.1	10023.0	1365.0	10028.5	1365.0	10036.7
GR	1364.6	10051.5	1364.5	10064.7	1364.4	10078.4	1364.4	10096.8	1364.5	10110.7
GR	1364.4	10118.6	1364.5	10128.3	1364.5	10137.4	1364.5	10143.3	1365.0	10183.7
GR	1365.4	10235.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	49.00	35	9996.1	10012.8	62	45	51			
GR	1365.6	9888.7	1365.6	9905.6	1365.6	9923.7	1365.2	9942.5	1365.2	9968.1
GR	1365.9	9973.7	1365.3	9980.6	1365.1	9987.9	1365.2	9989.7	1365.1	9996.1
GR	1362.5	9997.7	1363.2	10000.0	1364.9	10004.8	1365.3	10012.8	1365.2	10017.5
GR	1365.5	10029.1	1365.5	10032.6	1365.8	10042.3	1365.6	10050.5	1365.6	10056.2
GR	1366.0	10060.8	1366.3	10069.4	1366.2	10074.3	1364.7	10082.0	1364.7	10091.9
GR	1364.8	10107.1	1364.7	10116.8	1364.6	10119.6	1364.9	10123.4	1365.1	10131.7
GR	1364.9	10135.1	1365.2	10148.5	1365.3	10157.3	1366.2	10169.2	1366.5	10224.3
X1	50.00	31	9989.6	10022.0	46	48	52			
GR	1365.6	9900.2	1365.5	9911.0	1365.3	9925.0	1365.1	9936.4	1365.3	9950.3
GR	1365.4	9962.5	1365.5	9972.4	1365.6	9981.2	1365.6	9989.6	1365.2	9993.2
GR	1362.9	9997.5	1364.5	10000.0	1364.7	10001.0	1365.1	10009.6	1365.7	10022.0
GR	1366.3	10038.8	1365.7	10049.2	1365.7	10063.1	1365.8	10075.0	1365.4	10084.4
GR	1365.1	10093.7	1365.2	10106.8	1365.2	10116.9	1365.3	10133.0	1365.4	10148.8
GR	1365.8	10162.6	1365.9	10172.6	1366.1	10187.0	1366.2	10207.8	1366.4	10226.3
	1366.3	10236.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	51.00	25	9977.8	10010.0	51	49	49			
GR	1366.1	9947.5	1366.5	9962.8	1366.6	9977.8	1366.4	9987.0	1365.9	9992.0
GR	1362.9	9994.1	1362.9	9999.2	1363.6	10000.0	1363.9	10002.2	1365.8	10010.0
GR	1365.8	10021.1	1366.0	10038.5	1366.0	10059.0	1365.9	10072.8	1365.6	10088.4
GR	1365.5	10105.2	1365.5	10121.2	1365.8	10137.6	1366.3	10154.1	1366.3	10168.3
GR	1366.5	10186.6	1366.6	10201.1	1366.9	10215.0	1367.0	10228.4	1367.4	10229.8
X1	52.00	26	9991.9	10033.3	33	58	50			
GR	1366.8	9848.5	1366.7	9965.2	1366.8	9984.6	1366.9	9991.9	1363.9	9997.5
GR	1363.8	10000.0	1363.7	10009.2	1365.8	10026.3	1366.8	10033.3	1366.9	10043.5
GR	1366.7	10057.0	1366.4	10069.7	1366.0	10080.9	1366.0	10091.0	1365.9	10098.2
GR	1365.7	10110.7	1365.5	10116.7	1365.8	10120.8	1366.0	10129.4	1366.2	10138.5
GR	1366.2	10146.9	1366.4	10159.7	1366.6	10171.4	1367.0	10204.6	1367.1	10221.3
GR	1367.0	10232.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	53.00	26	9955.5	10038.3	19	25	25			
GR	1366.9	9878.0	1367.1	9955.5	1366.8	9970.9	1366.5	9984.2	1366.1	9990.8
GR	1364.7	9997.3	1364.3	10000.0	1364.3	10007.6	1364.2	10018.5	1366.8	10026.4
GR	1366.8	10027.5	1367.0	10038.3	1367.0	10051.4	1366.7	10061.9	1366.7	10073.3
GR	1366.1	10075.5	1366.5	10084.2	1366.2	10097.5	1366.2	10109.2	1366.1	10123.1
GR	1366.4	10131.9	1366.4	10141.8	1366.6	10153.1	1367.0	10177.6	1367.3	10202.7
GR	1367.3	10219.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QT	6	19	40	54	78	103	129			
X1	54.00	27	9860.2	10106.8	26	25	39			
	1367.4	9850.8	1367.3	9860.2	1366.7	9878.4	1366.7	9898.0	1366.8	9914.9
GR	1366.9	9929.8	1366.6	9951.7	1365.9	9968.0	1365.4	9990.0	1365.1	10000.0
GR	1364.8	10017.2	1364.6	10028.1	1364.7	10032.0	1364.8	10044.4	1365.3	10060.3
GR	1365.9	10074.8	1366.1	10086.0	1366.7	10106.8	1366.9	10114.7	1366.8	10122.9
GR	1367.0	10132.8	1366.9	10149.2	1366.9	10166.7	1367.0	10181.4	1367.3	10192.7
GR	1367.4	10202.2	1367.4	10214.6	0.0	0.0	0.0	0.0	0.0	0.0
X1	55.00	33	9903.5	10123.2	69	37	50			
GR	1367.5	9845.4	1367.4	9852.6	1366.9	9857.2	1366.5	9867.0	1366.5	9879.1
GR	1366.7	9892.5	1366.8	9903.5	1366.4	9914.3	1365.9	9921.0	1365.5	9922.7
GR	1365.8	9929.0	1366.0	9937.8	1366.2	9950.7	1366.0	9961.5	1365.8	9972.2
GR	1365.6	9974.9	1364.9	9980.2	1366.1	9988.4	1366.7	9995.3	1366.7	10000.0
GR	1366.5	10015.1	1365.7	10040.2	1365.9	10059.7	1367.3	10067.2	1367.1	10077.3
GR	1367.1	10090.2	1366.9	10102.6	1367.0	10113.5	1367.8	10123.2	1367.7	10130.5
GR	1367.7	10139.9	1368.2	10149.1	1368.6	10157.8	0.0	0.0	0.0	0.0
X1	56.00	36	9935.2	10070	49	45	50			
GR	1368.1	9852.3	1368.0	9864.3	1368.1	9875.9	1367.8	9889.8	1367.5	9898.7
GR	1367.3	9911.4	1367.3	9924.5	1367.3	9935.2	1367.2	9940.9	1366.9	9946.3
GR	1366.7	9952.3	1367.0	9957.8	1366.9	9964.0	1366.7	9971.8	1365.7	9977.5
GR	1365.7	9979.0	1366.2	9980.7	1366.7	9985.0	1366.9	9991.3	1366.9	10000.0
GR	1366.9	10012.5	1366.9	10022.9	1366.8	10035.4	1366.5	10036.1	1365.7	10042.8
GR	1366.6	10049.3	1366.8	10059.7	1367.3	10070.0	1367.1	10084.9	1367.1	10101.3
GR	1367.4	10115.0	1367.9	10124.3	1368.2	10131.8	1368.6	10138.2	1368.7	10147.1
GR	1368.7	10152.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

X1	57.00	31	9913.4	10080.9	49	52	50			
GR	1369.0	9901.3	1368.6	9913.4	1368.3	9919.0	1368.0	9923.8	1367.8	9931.6
GR	1367.6	9942.2	1367.4	9952.2	1367.1	9957.3	1367.3	9960.0	1367.3	9968.2
GR	1366.9	9975.5	1367.1	9981.2	1366.3	9984.6	1366.4	9987.2	1367.1	9990.4
GR	1367.5	9994.0	1367.4	10000.0	1367.2	10012.2	1367.1	10022.4	1367.1	10028.7
GR	1367.0	10031.9	1365.7	10035.0	1365.7	10036.4	1366.6	10046.9	1367.2	10080.9
GR	1367.3	10092.0	1367.3	10102.1	1367.6	10113.5	1367.8	10128.0	1368.2	10143.7
GR	1368.5	10149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	58.00	25	9929	10044.2	54	44	51			
GR	1368.8	9844.9	1368.3	9908.0	1368.1	9929.0	1367.9	9948.7	1367.4	9961.8
GR	1367.6	9970.7	1367.3	9974.8	1367.3	9978.4	1367.0	9984.4	1367.7	9988.7
GR	1367.8	9993.8	1368.0	9999.2	1368.1	10000.0	1368.1	10008.3	1367.7	10016.3
GR	1365.5	10025.5	1365.5	10027.3	1367.8	10036.6	1368.4	10044.2	1368.3	10055.0
GR	1368.2	10072.0	1368.3	10086.3	1368.3	10108.2	1368.9	10123.6	1369.2	10138.4
X1	59.00	27	9914	10023.9	65	31	49			
GR	1369.3	9819.0	1368.4	9897.7	1368.4	9906.9	1368.6	9914.0	1368.3	9920.2
GR	1368.4	9930.9	1368.3	9940.7	1368.3	9946.5	1367.9	9954.3	1367.4	9958.8
GR	1367.2	9962.0	1367.4	9968.3	1367.2	9973.4	1366.9	9981.4	1367.4	9988.7
GR	1367.0	9994.7	1366.3	10000.0	1366.8	10001.4	1367.3	10006.3	1367.3	10014.8
GR	1367.8	10023.9	1367.8	10024.7	1368.7	10033.3	1368.9	10039.1	1369.1	10048.6
GR	1369.1	10050.9	1369.1	10052.5	0.0	0.0	0.0	0.0	0.0	0.0
X1	60.00	25	9951.0	10027.2	40	50	52			
[illegible]	1369.2	9818.7	1368.9	9868.2	1368.7	9880.6	1369.0	9893.2	1368.9	9914.5
GR	1368.8	9941.3	1368.9	9951.0	1367.0	9957.2	1367.1	9963.0	1366.5	9969.1
GR	1366.6	9975.2	1366.1	9982.5	1366.4	9985.4	1366.4	9991.0	1367.3	9995.9
GR	1367.4	10000.0	1367.5	10005.7	1368.2	10012.9	1368.6	10019.6	1368.8	10027.2
GR	1368.7	10040.3	1368.7	10054.2	1369.0	10102.6	1369.1	10119.7	1369.1	10120.7
QT	6	14	28	38	55	71	87			
X1	61.00	26	9956.3	10074.8	61	36	47			
GR	1369.1	9839.0	1369.1	9850.4	1369.0	9864.9	1368.9	9881.1	1369.0	9898.5
GR	1369.1	9902.9	1368.8	9913.6	1368.8	9928.3	1368.9	9939.2	1369.1	9946.1
GR	1369.0	9956.3	1366.4	9971.9	1366.4	9981.0	1366.5	9992.5	1366.8	10000.0
GR	1367.6	10013.8	1368.0	10025.5	1368.4	10040.6	1368.6	10057.1	1368.7	10074.8
GR	1368.3	10083.5	1368.4	10086.7	1368.4	10097.0	1368.6	10106.2	1369.0	10112.8
GR	1369.1	10116.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	62.00	22	9958.5	10063.6	60	38	49			
GR	1369.1	9840.4	1369.1	9855.0	1368.9	9872.8	1369.0	9887.7	1368.8	9926.0
GR	1368.8	9958.5	1368.2	9969.8	1367.4	9978.8	1366.5	9986.2	1366.8	9992.1
GR	1367.1	9998.0	1367.1	10000.0	1367.0	10004.1	1367.5	10009.4	1368.6	10014.8
GR	1368.9	10021.8	1369.0	10035.2	1369.4	10048.6	1369.7	10063.6	1369.7	10077.8
GR	1369.9	10089.6	1369.9	10099.2	0.0	0.0	0.0	0.0	0.0	0.0
X1	63.00	24	9958.0	10056.6	53	39	51			
GR	1369.7	9831.5	1369.5	9876.2	1369.3	9893.2	1369.1	9924.7	1369.2	9944.9
GR	1369.0	9953.4	1369.2	9958.0	1369.1	10000.0	1368.6	10011.1	1368.1	10011.9
[illegible]	1368.4	10016.7	1368.5	10020.6	1368.5	10025.5	1368.5	10028.0	1368.9	10034.2
GR	1369.3	10040.8	1369.6	10048.4	1370.0	10056.6	1370.0	10068.6	1370.0	10079.5
GR	1370.1	10089.8	1370.1	10094.0	1370.0	10109.2	1370.2	10121.7	0.0	0.0

X1	64.00	34	9973.8	10051.5	48	54	52			
GR	1369.7	9860.2	1369.6	9890.2	1369.5	9907.3	1369.5	9921.4	1369.4	9929.8
GR	1369.4	9943.2	1369.3	9954.3	1369.4	9964.1	1369.6	9973.8	1369.7	9996.4
GR	1368.2	10000.0	1367.3	10002.8	1367.3	10005.2	1370.3	10012.8	1370.5	10023.1
GR	1370.8	10028.4	1370.6	10033.6	1369.0	10036.3	1369.3	10040.7	1369.4	10046.4
GR	1369.6	10051.5	1369.3	10056.4	1369.3	10060.7	1369.3	10063.4	1369.6	10069.0
GR	1370.0	10074.3	1369.9	10077.9	1369.6	10081.1	1369.5	10091.7	1369.7	10104.3
GR	1369.9	10115.9	1369.9	10125.8	1369.9	10136.7	1370.0	10141.7	0.0	0.0
X1	65.00	33	9987.2	10048.6	40	65	48			
GR	1370.4	9869.0	1370.2	9889.0	1370.2	9906.1	1369.9	9924.3	1369.7	9935.6
GR	1369.9	9943.4	1369.9	9953.3	1370.1	9961.5	1370.3	9972.6	1370.5	9978.2
GR	1370.4	9994.8	1370.5	9998.8	1369.9	10000.0	1368.1	10005.5	1369.3	10011.3
GR	1370.5	10024.9	1370.6	10039.9	1370.6	10048.6	1370.2	10056.9	1369.2	10061.8
GR	1369.3	10063.7	1369.6	10065.4	1369.8	10071.1	1369.8	10078.4	1369.6	10085.1
GR	1369.2	10088.0	1369.3	10093.4	1369.7	10097.3	1369.9	10103.6	1369.9	10111.6
GR	1369.9	10126.1	1370.0	10143.0	1370.1	10153.6	0.0	0.0	0.0	0.0
X1	66.00	34	9963.7	10029.6	47	53	49			
GR	1370.8	9870.5	1370.8	9885.2	1370.8	9909.6	1370.7	9922.8	1370.7	9946.8
GR	1370.9	9963.7	1370.8	9966.8	1369.7	9977.3	1369.6	9984.0	1369.7	9993.4
GR	1366.6	9997.4	1367.0	10000.0	1367.6	10004.7	1370.3	10011.6	1370.7	10014.5
GR	1370.9	10020.5	1371.1	10029.6	1371.0	10042.5	1370.5	10050.0	1370.1	10054.4
GR	1370.5	10055.6	1370.4	10063.6	1370.4	10076.7	1370.6	10081.7	1370.5	10088.2
GR	1370.2	10093.2	1370.2	10096.2	1369.9	10098.4	1370.4	10101.5	1370.7	10107.0
GR	1370.5	10116.5	1370.4	10125.2	1370.5	10138.6	1370.6	10139.2	0.0	0.0
X1	67.00	44	9975.8	10072.5	43	56	50			
GR	1371.1	9883.8	1371.0	9893.2	1370.9	9906.3	1370.8	9914.6	1370.7	9928.7
GR	1370.6	9934.1	1369.9	9937.8	1370.9	9940.5	1371.1	9943.4	1371.2	9953.5
GR	1371.3	9966.0	1371.3	9975.8	1371.2	9980.4	1369.4	9989.4	1367.5	9996.0
GR	1367.5	9998.9	1367.6	10000.0	1367.8	10003.0	1370.8	10011.9	1371.1	10016.8
GR	1371.3	10026.4	1371.3	10034.9	1371.1	10040.3	1371.1	10041.5	1370.9	10045.1
GR	1371.0	10047.3	1371.0	10061.5	1370.7	10061.8	1371.7	10066.2	1372.2	10068.3
GR	1372.4	10072.5	1372.4	10076.0	1372.0	10078.9	1370.8	10081.9	1370.7	10085.4
GR	1370.7	10092.6	1370.7	10100.5	1370.7	10107.3	1370.3	10110.4	1370.6	10112.7
GR	1371.0	10116.1	1371.2	10121.4	1371.1	10127.3	1370.9	10127.9	0.0	0.0
X1	68.00	37	9974.4	10023.0	17	10	17			
GR	1371.0	9898.2	1371.0	9903.9	1370.6	9909.4	1370.3	9914.3	1370.6	9918.2
GR	1370.7	9923.4	1371.0	9932.0	1371.3	9937.4	1371.7	9943.2	1371.5	9947.4
GR	1371.5	9954.2	1371.8	9963.2	1371.9	9974.4	1367.4	9988.3	1367.7	9996.4
GR	1367.9	10000.0	1368.5	10004.0	1370.8	10010.7	1373.0	10018.1	1373.8	10023.0
GR	1373.2	10030.0	1372.4	10037.5	1372.0	10044.6	1370.9	10049.6	1371.1	10059.5
GR	1371.0	10067.3	1370.8	10067.5	1371.0	10071.6	1371.0	10078.0	1371.2	10080.4
GR	1371.5	10082.6	1371.3	10086.6	1370.7	10089.9	1370.8	10091.4	1370.9	10093.2
GR	1371.0	10102.1	1371.1	10103.5	0.0	0.0	0.0	0.0	0.0	0.0

NH	5	0.030	9924.3	0.9	9993.8	0.025	10013.4	0.9	10076.1	0.030
NH	10128									
QT	6	7	13	18	27	35	43			
X1	69.00	31	9979.6	10013.4	74	115	88			
GR	1371.9	9902.8	1371.9	9913.2	1371.5	9920.1	1371.9	9924.3	1371.9	9934.6
GR	1371.9	9945.7	1371.7	9960.2	1371.9	9960.6	1371.9	9979.6	1371.8	9984.0
GR	1371.4	9987.9	1370.4	9992.2	1368.4	9993.8	1368.2	9997.3	1367.8	10000.0
GR	1367.8	10001.9	1368.3	10003.4	1370.7	10008.1	1371.8	10013.4	1371.8	10015.9
GR	1371.7	10027.3	1371.6	10041.1	1371.7	10057.2	1371.7	10064.0	1371.7	10076.1
GR	1372.0	10091.5	1372.1	10109.6	1372.2	10118.6	1371.7	10121.8	1371.6	10123.3
GR	1371.7	10128	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NC	0.030	0.030	0.045							
X1	70.00	19	9987.2	10069.1	48	30	41			
GR	1371.8	9892.3	1371.6	9934.8	1372.0	9941.3	1371.7	9948.6	1371.6	9959.2
GR	1371.8	9974.2	1371.8	9987.2	1371.7	9993.6	1369.5	10000.0	1367.5	10003.0
GR	1367.6	10005.4	1371.9	10025.2	1372.0	10054.9	1372.3	10069.1	1372.2	10085.7
GR	1372.0	10097.7	1372.0	10112.3	1372.3	10126.5	1372.4	10127.6	0.0	0.0
X1	71.00	25	9995.8	10050.4	50	48	50			
GR	1372.3	9904.0	1372.4	9923.0	1372.0	9937.7	1371.8	9953.2	1371.7	9965.9
GR	1371.8	9977.6	1371.9	9983.1	1373.0	9986.5	1373.2	9988.6	1373.4	9995.8
GR	1371.3	10000.0	1371.1	10003.8	1371.9	10007.7	1372.0	10008.6	1372.0	10012.6
GR	1370.7	10015.6	1371.6	10019.1	1371.9	10024.4	1372.1	10033.0	1372.2	10050.4
GR	1372.1	10061.0	1372.3	10082.4	1372.3	10101.6	1372.4	10122.1	1372.5	10123.1
X1	72.00	28	9989.5	10022.1	49	50	50			
GR	1372.4	9905.6	1372.3	9918.2	1372.3	9931.8	1372.2	9940.2	1372.5	9950.6
GR	1372.5	9956.1	1372.2	9961.5	1372.3	9969.1	1372.4	9975.8	1372.2	9977.9
GR	1372.3	9986.4	1372.2	9989.5	1369.9	10000.0	1369.3	10003.6	1371.1	10008.0
GR	1372.4	10014.1	1372.8	10022.1	1372.5	10033.0	1372.3	10037.3	1372.3	10056.1
GR	1372.4	10069.7	1372.3	10077.0	1372.4	10087.3	1372.9	10094.8	1373.3	10101.6
GR	1373.5	10107.0	1373.3	10120.7	1373.2	10120.8	0.0	0.0	0.0	0.0
X1	73.00	26	9991.7	10025.0	47	32	40			
GR	1373.1	9898.6	1373.0	9919.7	1372.9	9934.9	1372.8	9946.6	1372.6	9957.9
GR	1372.5	9966.0	1372.6	9975.2	1372.6	9981.4	1373.1	9985.2	1373.5	9989.0
GR	1373.3	9991.7	1372.9	9994.1	1369.9	10000.0	1369.8	10005.0	1372.1	10013.9
GR	1373.4	10020.5	1373.5	10025.0	1372.9	10027.2	1372.6	10029.7	1372.9	10035.7
GR	1373.0	10046.5	1372.9	10060.2	1373.0	10076.7	1373.0	10094.6	1373.2	10113.6
GR	1373.2	10118.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	74.00	27	9990.1	10013.5	65	39	53			
GR	1373.9	9900.8	1374.0	9911.6	1373.7	9944.9	1373.3	9967.3	1372.9	9975.0
GR	1372.7	9982.8	1373.0	9987.6	1374.0	9990.1	1370.4	10000.0	1373.0	10007.4
GR	1373.0	10013.5	1372.1	10019.3	1371.7	10033.6	1371.3	10041.9	1371.1	10050.4
GR	1371.4	10055.0	1371.5	10060.7	1372.4	10066.9	1372.6	10069.4	1371.9	10072.4
GR	1372.0	10079.4	1372.9	10083.7	1372.6	10087.7	1372.2	10089.9	1372.8	10112.0
GR	1373.4	10117.4	1373.7	10119.0	0.0	0.0	0.0	0.0	0.0	0.0

X	75.00	23	9990.6	10014.5	33	28	29			
GR	1373.8	9913.5	1373.6	9943.2	1373.3	9970.0	1373.4	9980.8	1373.6	9986.2
GR	1374.1	9990.6	1370.1	9999.5	1369.9	10000.0	1371.9	10007.6	1373.8	10014.5
GR	1373.3	10023.8	1373.0	10036.6	1373.2	10050.8	1373.2	10060.2	1372.8	10066.7
GR	1372.8	10074.6	1373.0	10081.5	1372.8	10089.4	1372.4	10098.1	1372.0	10103.6
GR	1372.5	10111.4	1373.3	10117.8	1373.3	10121.0	0.0	0.0	0.0	0.0
X1	76.00	23	9982.8	10014.9	38	32	36			
GR	1373.8	9932.7	1373.5	9939.4	1373.6	9953.7	1373.4	9966.1	1373.3	9974.7
GR	1373.5	9979.1	1374.5	9982.8	1369.5	9991.4	1369.5	9994.1	1371.6	9996.4
GR	1371.4	10000.0	1373.3	10007.3	1373.6	10014.9	1373.2	10028.3	1373.1	10040.7
GR	1373.1	10053.2	1373.1	10060.7	1373.4	10067.7	1373.0	10072.9	1373.2	10080.3
GR	1373.0	10085.1	1374.0	10094.2	1373.9	10101.2	1373.8	10110.9	0.0	0.0
X1	77.00	19	9992.6	10027.1	34	49	39			
GR	1374.3	9897.2	1373.9	9920.1	1373.7	9936.3	1373.6	9953.1	1373.6	9969.3
GR	1373.7	9980.7	1373.7	9986.0	1374.5	9989.9	1374.7	9992.6	1374.0	9995.3
GR	1373.4	9997.2	1369.9	10000.0	1369.6	10002.6	1372.2	10005.8	1373.2	10008.4
GR	1373.5	10013.6	1373.8	10019.7	1374.1	10027.1	1374.0	10031.3	0.0	0.0
X1	78.00	31	9985.0	10026.7	42	65	58			
GR	1375.3	9877.4	1374.8	9892.3	1374.3	9896.2	1374.4	9899.3	1374.5	9910.3
GR	1374.2	9921.9	1373.5	9923.2	1373.8	9927.3	1374.1	9931.8	1374.7	9936.2
GR	1374.9	9939.2	1375.1	9943.7	1374.2	9947.9	1374.3	9953.5	1373.7	9961.7
GR	1373.1	9968.5	1372.6	9972.8	1373.1	9978.4	1373.8	9985.0	1373.7	9990.2
GR	1370.3	9995.7	1370.3	9996.6	1370.9	10000.0	1371.8	10003.0	1372.2	10008.5
GR	1372.6	10015.6	1373.3	10021.2	1373.6	10026.7	1374.1	10035.7	1374.4	10042.6
GR	1374.4	10042.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	79.00	43	9981.0	10031.2	42	62	55			
GR	1375.4	9877.0	1375.2	9887.0	1374.8	9900.0	1374.8	9910.2	1374.8	9917.6
GR	1374.3	9919.3	1374.1	9922.9	1374.1	9924.4	1374.3	9928.0	1374.3	9934.6
GR	1374.2	9942.7	1374.1	9945.3	1373.7	9949.0	1373.5	9952.3	1374.0	9956.9
GR	1374.6	9960.3	1374.6	9965.1	1374.6	9970.2	1374.8	9975.2	1374.6	9981.0
GR	1374.0	9986.2	1373.7	9990.8	1373.6	9993.1	1371.3	9995.2	1371.5	9996.5
GR	1373.3	10000.0	1374.1	10004.6	1374.6	10007.6	1374.3	10011.5	1372.7	10015.6
GR	1371.6	10019.0	1370.1	10021.8	1370.1	10022.9	1373.6	10027.9	1374.3	10031.2
GR	1374.2	10034.1	1373.5	10037.9	1373.2	10041.5	1373.4	10047.6	1373.7	10052.9
GR	1373.9	10060.0	1374.2	10067.7	1374.7	10071.4	0.0	0.0	0.0	0.0
NC				0.3	0.5					
X1	80.00	32	10000	10052.8	62	51	60			
X3	10							1374.4	1373.6	
GR	1375.6	9878.7	1375.6	9888.2	1375.1	9899.4	1375.1	9910.7	1375.2	9919.9
GR	1374.7	9923.1	1374.1	9927.6	1374.1	9930.7	1374.4	9939.0	1374.2	9948.5
GR	1373.9	9952.8	1373.5	9957.7	1374.1	9964.7	1374.0	9971.8	1373.7	9977.5
GR	1374.0	9981.7	1374.1	9982.9	1374.6	9996.0	1374.8	10000.0	1374.7	10006.8
GR	1374.4	10010.9	1371.9	10017.0	1371.4	10018.0	1369.7	10019.9	1370.3	10022.8
GR	1372.3	10026.9	1373.1	10030.9	1373.6	10036.4	1374.1	10042.9	1374.4	10052.8
GR	1374.4	10070.3	1374.6	10090.8	0.0	0.0	0.0	0.0	0.0	0.0

		1.56	3.0	0	10	0	28	1	0	0
X1	81.00	28	9987.9	10029.4	13	14	13			
X2	0	0	1	1372.8	1373.4	0	0	0	0	
X3	10							1373.7	1373.5	
BT	2	9982	1373.5	1372.8	9996	1373.5	1372.8			
GR	1375.8	9879.6	1375.0	9911.2	1375.6	9923.8	1373.9	9927.8	1374.2	9931.4
GR	1374.2	9940.7	1374.0	9947.4	1373.8	9950.2	1373.1	9953.9	1373.2	9963.4
GR	1373.2	9968.4	1373.4	9978.7	1373.7	9987.9	1371.0	9997.4	1371.0	10000.0
GR	1371.0	10005.3	1371.0	10008.4	1371.0	10019.0	1373.0	10029.4	1372.8	10029.9
GR	1373.2	10032.7	1373.7	10039.0	1374.1	10044.6	1374.3	10056.3	1374.5	10069.7
GR	1374.4	10078.5	1374.4	10089.5	1374.4	10092.7	0.0	0.0	0.0	0.0
NC				0.1	0.3					
X1	82.00	40	9981.8	10031.4	23	21	30			
GR	1375.6	9877.7	1375.5	9887.9	1374.9	9904.1	1375.1	9910.8	1375.4	9919.3
GR	1375.1	9922.4	1374.2	9926.6	1373.8	9926.7	1374.1	9932.9	1374.3	9940.3
GR	1374.3	9947.0	1374.0	9950.0	1373.3	9954.7	1373.6	9958.6	1373.9	9963.1
GR	1374.0	9967.2	1374.6	9971.3	1375.3	9975.3	1375.6	9977.2	1375.9	9981.8
GR	1375.5	9985.3	1372.1	9990.3	1372.0	9994.0	1372.1	9994.2	1372.5	10000.0
GR	1372.4	10016.7	1374.3	10024.2	1376.2	10028.9	1376.4	10031.4	1375.5	10034.3
GR	1375.7	10035.0	1375.5	10041.5	1375.1	10047.2	1374.9	10051.2	1374.7	10060.1
GR	1374.6	10066.9	1374.9	10089.6	1374.6	10091.2	1375.1	10092.7	1375.2	10095.1
X1	83.00	31	9976.8	10034.4	32	58	50			
GR	1375.7	9882.4	1375.9	9894.9	1375.6	9911.6	1375.5	9922.7	1375.3	9925.9
GR	1374.4	9928.1	1374.3	9934.1	1374.7	9935.9	1374.9	9940.3	1374.9	9945.3
GR	1374.8	9951.3	1374.5	9954.4	1374.2	9956.7	1374.5	9962.7	1375.1	9968.9
GR	1375.0	9971.5	1375.2	9976.8	1371.4	9985.7	1371.7	9986.8	1373.0	10000.0
GR	1373.5	10006.7	1373.7	10010.0	1374.6	10019.3	1374.9	10025.8	1375.1	10034.4
GR	1375.1	10035.5	1375.6	10040.3	1375.7	10050.3	1375.3	10060.5	1375.0	10070.0
GR	1375.2	10089.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
X1	84.00	27	9977.3	10015.0	45	56	52			
GR	1376.5	9886.0	1376.4	9896.3	1376.1	9906.5	1376.1	9914.6	1375.9	9920.4
GR	1376.2	9925.1	1375.6	9932.1	1375.6	9937.4	1375.6	9939.1	1375.7	9944.9
GR	1375.7	9951.1	1375.3	9957.4	1375.1	9962.9	1375.2	9970.5	1375.3	9974.8
GR	1375.4	9977.3	1374.1	9982.1	1372.3	9984.9	1372.0	9988.0	1372.2	9992.4
GR	1374.4	10000.0	1375.5	10005.9	1375.5	10015.0	1375.5	10035.4	1375.3	10055.5
GR	1375.2	10067.3	1375.5	10081.1	0.0	0.0	0.0	0.0	0.0	0.0
X1	85.00	28	9980.7	10010.7	46	53	50			
GR	1376.9	9887.8	1377.3	9899.8	1377.4	9907.9	1376.7	9917.0	1376.5	9927.4
GR	1376.4	9935.8	1376.1	9938.3	1376.5	9942.2	1376.7	9950.0	1376.5	9953.6
GR	1376.0	9960.2	1375.6	9962.4	1375.8	9966.9	1375.9	9974.3	1376.0	9974.8
GR	1376.0	9980.7	1373.3	9991.8	1373.3	9996.1	1373.1	9997.0	1373.9	10000.0
GR	1375.1	10006.9	1376.7	10010.7	1376.7	10017.3	1376.2	10033.0	1376.1	10048.8
GR	1376.0	10063.3	1376.1	10075.8	1376.1	10083.3	0.0	0.0	0.0	0.0

X1	86.00	27	9982.5	10013.9	54	42	48			
GR	1377.3	9890.8	1377.2	9902.9	1377.2	9919.3	1377.3	9930.1	1376.0	9935.9
GR	1375.6	9940.4	1375.5	9944.1	1375.8	9949.3	1375.9	9954.2	1375.7	9963.1
GR	1375.9	9967.4	1376.7	9972.9	1377.3	9978.6	1377.2	9982.5	1376.7	9986.1
GR	1373.1	9997.9	1372.9	10000.0	1372.8	10006.6	1376.7	10013.9	1376.8	10021.3
GR	1376.8	10033.7	1376.9	10039.3	1376.7	10044.3	1376.2	10051.9	1376.2	10065.6
GR	1376.3	10074.4	1376.5	10078.1	0.0	0.0	0.0	0.0	0.0	0.0
X1	87.00	32	9983.7	10026.6	51	51	50			
GR	1378.0	9853.8	1378.1	9865.5	1378.1	9881.3	1377.9	9892.0	1377.8	9900.2
GR	1377.6	9905.0	1377.0	9911.6	1376.0	9918.9	1375.2	9924.9	1375.1	9928.1
GR	1375.3	9932.9	1375.3	9940.1	1375.0	9947.9	1374.8	9953.9	1374.7	9963.8
GR	1374.3	9970.0	1374.3	9972.6	1375.9	9979.3	1376.5	9983.7	1376.4	9987.1
GR	1375.2	9992.2	1372.9	9995.2	1373.2	10000.0	1373.4	10002.0	1375.0	10014.8
GR	1376.3	10020.8	1376.8	10026.6	1376.5	10043.2	1376.4	10059.3	1376.8	10074.6
GR	1377.0	10089.3	1377.1	10098.1	0.0	0.0	0.0	0.0	0.0	0.0
X1	88.00	36	9946.5	10027.0	17	17	17			
GR	1378.3	9852.7	1378.6	9856.7	1379.3	9860.7	1379.3	9863.1	1378.7	9866.3
GR	1379.1	9869.1	1378.3	9872.1	1378.3	9882.2	1377.9	9888.9	1377.0	9897.7
GR	1376.2	9907.0	1375.6	9915.3	1375.1	9920.5	1375.3	9922.9	1375.5	9930.1
GR	1375.5	9938.0	1375.0	9946.5	1374.8	9954.0	1374.5	9963.2	1374.2	9973.5
GR	1374.0	9976.0	1373.7	9977.4	1374.2	9980.6	1373.7	9987.7	1373.5	9997.8
GR	1373.2	10000.0	1373.4	10006.5	1374.2	10014.0	1375.6	10021.5	1376.5	10027.0
GR	1376.7	10037.6	1376.8	10052.1	1376.8	10067.5	1376.9	10083.1	1377.3	10090.4
	1377.5	10100.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

5 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	3	0	0	.01	0	0.3	0	1352.5	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2	0	-1							

10 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	4	0	0	.01	0	0.3	0	1353.0	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3	0	-1							

25 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	5	0	0	.01	0	0.3	0	1353.5	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	4	0	-1							

T 50 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	6	0	0	.01	0	0.3	0	1354.0	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	5	0	-1							

T 100 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	7	0	0	.01	0	0.3	0	1354.5	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	6	0	-1							

THIS RUN EXECUTED 03NOV94 16:05:42

****
HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

2-YEAR STORM

SUMMARY PRINTOUT

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	1.000	57.00	.00	57.00	.00	1351.40	9985.68	10003.99	1.34	1352.74	1352.74	20.00
*	1.000	120.00	.00	120.00	.00	1351.40	9984.30	10005.94	1.80	1353.20	1353.20	20.00
*	1.000	163.00	.00	163.00	.00	1351.40	9983.50	10007.10	2.04	1353.44	1353.44	20.00
*	1.000	240.00	.00	240.00	.00	1351.40	9981.59	10009.99	2.44	1353.84	1353.84	20.00
*	1.000	317.00	.00	317.00	.00	1351.40	9980.19	10012.12	2.73	1354.13	1354.13	20.00
*	1.000	399.00	.00	395.42	3.58	1351.40	9978.09	10100.90	3.15	1354.55	1354.55	20.00
*	2.000	57.00	.00	57.00	.00	1351.80	9990.48	10007.27	1.50	1353.30	1353.30	20.00
*	2.000	120.00	.00	120.00	.00	1351.80	9988.11	10011.64	1.99	1353.79	1353.79	20.00
*	2.000	163.00	.00	163.00	.00	1351.80	9987.05	10012.81	2.22	1354.02	1354.02	20.00
*	2.000	240.00	.00	240.00	.00	1351.80	9985.48	10014.51	2.57	1354.37	1354.37	20.00
*	2.000	317.00	.00	317.00	.00	1351.80	9984.14	10015.95	2.86	1354.66	1354.66	20.00
*	2.000	399.00	.00	399.00	.00	1351.80	9982.88	10017.32	3.14	1354.94	1354.94	20.00
*	4.000	57.00	.00	57.00	.00	1351.60	9994.00	10006.00	2.12	1353.72	.00	20.00
*	4.000	120.00	.00	120.00	.00	1351.60	9994.00	10006.00	2.60	1354.20	.00	20.00
*	4.000	163.00	.00	163.00	.00	1351.60	9994.00	10006.00	2.77	1354.37	.00	20.00
*	4.000	240.00	.00	240.00	.00	1351.60	9994.00	10006.00	2.91	1354.51	.00	20.00
*	4.000	317.00	.00	317.00	.00	1351.60	9994.00	10006.00	3.35	1354.95	.00	20.00
*	4.000	399.00	.00	399.00	.00	1351.60	9994.00	10006.00	3.51	1355.11	.00	20.00
*	5.000	57.00	.00	57.00	.00	1352.30	9994.00	10006.00	1.60	1353.90	.00	20.00
	5.000	120.00	.00	120.00	.00	1352.30	9994.00	10006.00	2.30	1354.60	.00	20.00
	5.000	163.00	.00	163.00	.00	1352.30	9994.00	10006.00	2.72	1355.02	.00	20.00
*	5.000	240.00	.00	240.00	.00	1352.30	9994.00	10006.00	3.91	1356.21	.00	20.00
*	5.000	317.00	92.09	164.95	59.97	1352.30	9900.40	10101.50	5.48	1357.79	.00	20.00
*	5.000	399.00	122.77	191.11	85.11	1352.30	9900.40	10101.50	5.68	1357.98	.00	20.00
*	6.000	57.00	.00	57.00	.00	1352.80	9987.70	10009.94	1.12	1353.92	.00	20.00
	6.000	120.00	.00	120.00	.00	1352.80	9983.54	10011.66	2.00	1354.80	.00	20.00
	6.000	163.00	.00	163.00	.00	1352.80	9980.58	10012.68	2.52	1355.32	.00	20.00
	6.000	240.00	.50	237.40	2.10	1352.80	9947.39	10099.80	3.77	1356.57	.00	20.00
	6.000	317.00	39.43	231.83	45.75	1352.80	9901.70	10099.80	5.02	1357.82	.00	20.00
	6.000	399.00	55.80	278.68	64.52	1352.80	9901.70	10099.80	5.22	1358.02	.00	20.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	7.000	57.00	.00	57.00	.00	1353.30	9987.92	10012.79	.78	1354.08	1354.08	20.00
*	7.000	120.00	.00	120.00	.00	1353.30	9983.30	10017.78	1.50	1354.80	.00	20.00
	7.000	163.00	.00	163.00	.00	1353.30	9978.88	10020.43	2.04	1355.34	.00	20.00
	7.000	240.00	3.46	227.57	8.97	1353.30	9920.75	10101.50	3.31	1356.61	.00	20.00
	7.000	317.00	35.81	228.46	52.73	1353.30	9904.44	10101.50	4.53	1357.83	.00	20.00
	7.000	399.00	49.72	278.07	71.21	1353.30	9902.71	10101.50	4.73	1358.03	.00	20.00
*	8.000	57.00	.00	57.00	.00	1353.70	9985.82	10014.30	.80	1354.50	1354.50	20.00
*	8.000	120.00	.00	120.00	.00	1353.70	9983.12	10017.14	1.14	1354.84	1354.84	20.00
*	8.000	163.00	.00	163.00	.00	1353.70	9978.96	10021.32	1.66	1355.36	.00	20.00
	8.000	240.00	1.10	225.96	12.94	1353.70	9948.62	10100.60	2.92	1356.62	.00	20.00
	8.000	317.00	21.63	232.04	63.32	1353.70	9901.20	10100.60	4.13	1357.83	.00	20.00
	8.000	399.00	31.66	282.70	84.64	1353.70	9901.20	10100.60	4.33	1358.03	.00	20.00
*	9.000	57.00	.00	57.00	.00	1354.00	9984.41	10016.70	.84	1354.84	.00	20.00
*	9.000	120.00	.00	120.00	.00	1354.00	9982.79	10021.08	1.22	1355.22	.00	20.00
	9.000	163.00	.00	163.00	.00	1354.00	9981.73	10024.51	1.47	1355.47	.00	20.00
	9.000	240.00	.00	223.78	16.22	1354.00	9972.33	10100.40	2.63	1356.63	.00	20.00
	9.000	317.00	.00	245.55	71.45	1354.00	9959.09	10100.40	3.83	1357.83	.00	20.00
	9.000	399.00	.00	303.11	95.89	1354.00	9956.88	10100.40	4.03	1358.03	.00	20.00
	10.000	57.00	.00	57.00	.00	1354.00	9982.12	10013.90	.96	1354.96	.00	20.00
	10.000	120.00	.00	120.00	.00	1354.00	9979.22	10016.58	1.34	1355.34	.00	20.00
	10.000	163.00	.00	163.00	.00	1354.00	9977.49	10018.18	1.57	1355.57	.00	20.00
	10.000	240.00	.00	220.22	19.78	1354.00	9953.30	10100.00	2.66	1356.66	.00	20.00
	10.000	317.00	.00	246.53	70.47	1354.00	9924.61	10100.00	3.84	1357.84	.00	20.00
	10.000	399.00	.00	305.80	93.20	1354.00	9919.73	10100.00	4.04	1358.04	.00	20.00
*	11.000	57.00	.00	57.00	.00	1354.30	9984.57	10015.76	.83	1355.13	1355.13	20.00
	11.000	120.00	.00	120.00	.00	1354.30	9981.74	10020.12	1.19	1355.49	.00	20.00
	11.000	163.00	.00	163.00	.00	1354.30	9980.37	10022.05	1.39	1355.69	.00	20.00
	11.000	240.00	.00	206.44	33.56	1354.30	9973.59	10106.00	2.38	1356.68	.00	20.00
	11.000	317.00	.34	223.86	92.80	1354.30	9906.20	10106.00	3.54	1357.84	.00	20.00
	11.000	399.00	3.05	276.56	119.39	1354.30	9906.20	10106.00	3.74	1358.04	.00	20.00
*	12.000	57.00	.00	57.00	.00	1354.20	9975.48	10009.77	1.25	1355.45	.00	20.00
	12.000	120.00	.00	120.00	.00	1354.20	9970.25	10014.16	1.62	1355.82	.00	20.00
	12.000	163.00	.00	162.93	.07	1354.20	9967.40	10097.92	1.81	1356.01	1355.82	20.00
	12.000	240.00	.00	200.83	39.17	1354.20	9956.89	10100.20	2.52	1356.72	.00	20.00
	12.000	317.00	4.45	232.99	79.55	1354.20	9920.20	10100.20	3.65	1357.85	.00	20.00
	12.000	399.00	8.63	288.44	101.94	1354.20	9900.40	10100.20	3.86	1358.06	.00	20.00
*	13.000	57.00	.00	57.00	.00	1354.80	9971.26	10010.17	.91	1355.71	1355.71	20.00
	13.000	120.00	.00	120.00	.00	1354.80	9964.37	10014.03	1.22	1356.02	.00	20.00
	13.000	163.00	.00	163.00	.00	1354.80	9960.25	10101.50	1.41	1356.21	.00	20.00
	13.000	240.00	.00	215.22	24.78	1354.80	9944.87	10101.50	1.96	1356.76	.00	20.00
	13.000	317.00	5.51	241.38	70.11	1354.80	9900.70	10101.50	3.06	1357.86	.00	20.00
	13.000	399.00	9.58	299.26	90.16	1354.80	9900.70	10101.50	3.26	1358.06	.00	20.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	14.000	57.00	.00	57.00	.00	1353.90	9980.21	10018.29	2.05	1355.95	.00	20.00
*	14.000	120.00	.00	120.00	.00	1353.90	9976.83	10025.11	2.41	1356.31	.00	20.00
*	14.000	163.00	.00	162.95	.05	1353.90	9975.40	10106.80	2.58	1356.48	.00	20.00
	14.000	240.00	.00	235.36	4.64	1353.90	9972.71	10106.80	2.90	1356.80	.00	20.00
	14.000	317.00	.00	263.12	53.88	1353.90	9948.18	10106.80	3.96	1357.86	.00	20.00
	14.000	399.00	.00	323.58	75.42	1353.90	9942.00	10106.80	4.16	1358.06	.00	20.00
	15.000	57.00	.00	57.00	.00	1354.00	9981.26	10019.74	1.98	1355.98	.00	20.00
	15.000	120.00	.00	120.00	.00	1354.00	9980.43	10021.93	2.35	1356.35	.00	20.00
	15.000	163.00	.00	163.00	.00	1354.00	9980.03	10112.30	2.53	1356.53	.00	20.00
	15.000	240.00	.00	237.30	2.70	1354.00	9979.35	10112.30	2.84	1356.84	.00	20.00
	15.000	317.00	.00	265.87	51.13	1354.00	9973.38	10112.30	3.86	1357.86	.00	20.00
	15.000	399.00	.00	325.42	73.58	1354.00	9971.28	10112.30	4.06	1358.06	.00	20.00
	16.000	57.00	.00	57.00	.00	1354.30	9988.00	10012.00	1.68	1355.98	.00	20.00
	16.000	120.00	.00	120.00	.00	1354.30	9988.00	10012.00	2.04	1356.34	.00	20.00
	16.000	163.00	.00	163.00	.00	1354.30	9988.00	10012.00	2.21	1356.51	.00	20.00
	16.000	240.00	.00	240.00	.00	1354.30	9988.00	10012.00	2.49	1356.79	.00	20.00
*	16.000	317.00	.00	317.00	.00	1354.30	9988.00	10012.00	3.47	1357.77	.00	20.00
*	16.000	399.00	.00	399.00	.00	1354.30	9988.00	10012.00	3.63	1357.93	.00	20.00
	17.000	57.00	.00	57.00	.00	1354.50	9988.00	10012.00	1.50	1356.00	.00	20.00
	17.000	120.00	.00	120.00	.00	1354.50	9988.00	10012.00	1.90	1356.40	.00	20.00
	17.000	163.00	.00	163.00	.00	1354.50	9988.00	10012.00	2.11	1356.61	.00	20.00
	17.000	240.00	.00	240.00	.00	1354.50	9988.00	10012.00	2.47	1356.97	.00	20.00
	17.000	317.00	.00	317.00	.00	1354.50	9988.00	10012.00	3.59	1358.09	.00	20.00
	17.000	399.00	.00	399.00	.00	1354.50	9988.00	10012.00	4.00	1358.50	.00	20.00
*	18.000	30.00	.00	30.00	.00	1354.90	9993.45	10004.69	1.03	1355.93	.00	20.00
*	18.000	63.00	.00	63.00	.00	1354.90	9992.94	10005.28	1.37	1356.27	.00	20.00
*	18.000	86.00	.00	86.00	.00	1354.90	9992.73	10005.53	1.51	1356.41	.00	20.00
*	18.000	122.00	.00	122.00	.00	1354.90	9992.13	10006.21	1.90	1356.80	.00	20.00
*	18.000	155.00	.00	126.45	28.55	1354.90	9990.00	10101.00	3.32	1358.22	.00	20.00
*	18.000	195.00	5.33	121.36	68.31	1354.90	9901.00	10101.00	3.85	1358.75	.00	20.00
	19.000	30.00	.00	30.00	.00	1355.00	9992.86	10004.42	1.03	1356.03	.00	20.00
	19.000	63.00	.00	63.00	.00	1355.00	9992.17	10005.15	1.47	1356.47	.00	20.00
	19.000	86.00	.00	86.00	.00	1355.00	9991.78	10005.57	1.73	1356.73	.00	20.00
	19.000	122.00	.00	122.00	.00	1355.00	9991.22	10006.17	2.08	1357.08	.00	20.00
	19.000	155.00	.00	145.11	9.89	1355.00	9989.46	10100.00	3.20	1358.20	.00	20.00
	19.000	195.00	2.85	140.88	51.27	1355.00	9917.62	10100.00	3.75	1358.75	.00	20.00
	20.000	30.00	.00	30.00	.00	1355.10	9992.96	10004.31	1.00	1356.10	.00	20.00
	20.000	63.00	.00	63.00	.00	1355.10	9992.21	10005.03	1.46	1356.56	.00	20.00
	20.000	86.00	.00	86.00	.00	1355.10	9991.79	10005.44	1.73	1356.83	.00	20.00
	20.000	122.00	.00	122.00	.00	1355.10	9991.21	10005.99	2.08	1357.18	.00	20.00
	20.000	155.00	.00	150.82	4.18	1355.10	9989.54	10091.77	3.11	1358.21	.00	20.00
	20.000	195.00	.00	158.04	36.96	1355.10	9985.17	10101.00	3.63	1358.73	.00	20.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
	21.000	30.00	.00	30.00	.00	1355.10	9993.43	10004.57	1.13	1356.23	.00	20.00
	21.000	63.00	.00	63.00	.00	1355.10	9992.63	10005.37	1.62	1356.72	.00	20.00
	21.000	86.00	.00	86.00	.00	1355.10	9992.18	10005.82	1.90	1357.00	.00	20.00
	21.000	122.00	.00	122.00	.00	1355.10	9991.58	10006.42	2.26	1357.36	.00	20.00
	21.000	155.00	.00	154.22	.78	1355.10	9990.12	10091.29	3.14	1358.24	.00	20.00
	21.000	195.00	.00	181.62	13.38	1355.10	9989.32	10101.00	3.62	1358.72	.00	20.00
	22.000	30.00	.00	30.00	.00	1355.30	9992.67	10003.80	1.06	1356.36	.00	20.00
	22.000	63.00	.00	63.00	.00	1355.30	9991.89	10004.61	1.56	1356.86	.00	20.00
	22.000	86.00	.00	86.00	.00	1355.30	9991.45	10005.07	1.85	1357.15	.00	20.00
	22.000	122.00	.00	122.00	.00	1355.30	9990.88	10005.66	2.22	1357.52	.00	20.00
	22.000	155.00	.00	155.00	.00	1355.30	9989.70	10006.90	2.99	1358.29	.00	20.00
	22.000	195.00	.00	191.50	3.50	1355.30	9989.01	10100.00	3.43	1358.73	.00	20.00
	23.000	30.00	.00	30.00	.00	1355.50	9993.33	10004.23	.96	1356.46	.00	20.00
	23.000	63.00	.00	63.00	.00	1355.50	9992.55	10005.11	1.47	1356.97	.00	20.00
	23.000	86.00	.00	86.00	.00	1355.50	9992.12	10005.61	1.75	1357.25	.00	20.00
	23.000	122.00	.00	122.00	.00	1355.50	9991.56	10006.25	2.12	1357.62	.00	20.00
	23.000	155.00	.00	155.00	.00	1355.50	9990.46	10007.50	2.84	1358.34	.00	20.00
	23.000	195.00	.00	195.00	.00	1355.50	9989.82	10008.23	3.26	1358.76	.00	20.00
	24.000	30.00	.00	30.00	.00	1355.60	9993.32	10003.94	1.02	1356.62	.00	20.00
	24.000	63.00	.00	63.00	.00	1355.60	9992.56	10004.73	1.50	1357.10	.00	20.00
	24.000	86.00	.00	86.00	.00	1355.60	9992.15	10005.16	1.77	1357.37	.00	20.00
	24.000	122.00	.00	122.00	.00	1355.60	9991.58	10005.75	2.13	1357.73	.00	20.00
	24.000	155.00	.00	155.00	.00	1355.60	9990.55	10006.81	2.78	1358.38	.00	20.00
	24.000	195.00	.00	195.00	.00	1355.60	9989.90	10007.48	3.19	1358.79	.00	20.00
	25.000	30.00	.00	30.00	.00	1355.70	9992.64	10002.99	1.09	1356.79	.00	20.00
	25.000	63.00	.00	63.00	.00	1355.70	9991.92	10003.75	1.57	1357.27	.00	20.00
	25.000	86.00	.00	86.00	.00	1355.70	9991.51	10004.18	1.85	1357.55	.00	20.00
	25.000	122.00	.00	122.00	.00	1355.70	9990.98	10004.74	2.20	1357.90	.00	20.00
	25.000	155.00	.00	155.00	.00	1355.70	9990.16	10005.60	2.75	1358.45	.00	20.00
	25.000	195.00	.00	195.00	.00	1355.70	9989.56	10006.22	3.15	1358.85	.00	20.00
*	26.000	30.00	.00	30.00	.00	1356.10	9992.40	10002.06	.81	1356.91	1356.91	20.00
*	26.000	63.00	.00	63.00	.00	1356.10	9991.63	10002.77	1.25	1357.35	1357.35	20.00
*	26.000	86.00	.00	86.00	.00	1356.10	9991.20	10003.16	1.50	1357.60	1357.60	20.00
	26.000	122.00	.00	122.00	.00	1356.10	9990.59	10003.72	1.85	1357.95	1357.94	20.00
	26.000	155.00	.00	155.00	.00	1356.10	9989.70	10004.54	2.37	1358.47	.00	20.00
	26.000	195.00	.00	195.00	.00	1356.10	9989.02	10005.16	2.77	1358.87	.00	20.00
	27.000	30.00	.00	30.00	.00	1356.40	9992.96	10003.12	.92	1357.32	.00	20.00
	27.000	63.00	.00	63.00	.00	1356.40	9992.19	10003.82	1.38	1357.78	.00	20.00
	27.000	86.00	.00	86.00	.00	1356.40	9991.77	10004.21	1.63	1358.03	.00	20.00
	27.000	122.00	.00	122.00	.00	1356.40	9991.22	10004.71	1.95	1358.35	.00	20.00
	27.000	155.00	.00	155.00	.00	1356.40	9990.76	10005.14	2.23	1358.63	.00	20.00
	27.000	195.00	.00	195.00	.00	1356.40	9990.16	10005.69	2.59	1358.99	.00	20.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	28.000	30.00	.00	30.00	.00	1356.30	9991.59	10005.46	1.25	1357.55	.00	20.00
*	28.000	63.00	.00	63.00	.00	1356.30	9990.67	10006.38	1.82	1358.12	.00	20.00
*	28.000	86.00	.00	86.00	.00	1356.30	9990.16	10006.89	2.14	1358.44	.00	20.00
*	28.000	122.00	.00	122.00	.00	1356.30	9989.52	10007.54	2.54	1358.84	.00	20.00
*	28.000	155.00	.00	155.00	.00	1356.30	9988.98	10008.08	2.88	1359.18	.00	20.00
*	28.000	195.00	.00	195.00	.00	1356.30	9988.40	10008.66	3.24	1359.54	.00	20.00
*	29.000	30.00	.00	30.00	.00	1356.60	9992.09	10002.88	.89	1357.49	.00	20.00
*	29.000	63.00	.00	63.00	.00	1356.60	9991.36	10003.85	1.46	1358.06	.00	20.00
*	29.000	86.00	.00	86.00	.00	1356.60	9990.96	10004.37	1.76	1358.36	.00	20.00
*	29.000	122.00	.00	122.00	.00	1356.60	9990.46	10005.04	2.15	1358.75	.00	20.00
*	29.000	155.00	.00	155.00	.00	1356.60	9990.03	10005.61	2.47	1359.07	.00	20.00
*	29.000	195.00	.00	195.00	.00	1356.60	9989.57	10006.22	2.83	1359.43	.00	20.00
*	31.000	30.00	.00	30.00	.00	1356.70	9994.00	10006.00	1.02	1357.72	.00	20.00
*	31.000	63.00	.00	63.00	.00	1356.70	9994.00	10006.00	1.55	1358.25	.00	20.00
*	31.000	86.00	.00	86.00	.00	1356.70	9994.00	10006.00	1.83	1358.53	.00	20.00
*	31.000	122.00	.00	122.00	.00	1356.70	9994.00	10006.00	2.17	1358.87	.00	20.00
	31.000	155.00	.00	155.00	.00	1356.70	9994.00	10006.00	2.42	1359.12	.00	20.00
	31.000	195.00	.00	195.00	.00	1356.70	9994.00	10006.00	2.71	1359.41	.00	20.00
	32.000	30.00	.00	30.00	.00	1356.80	9994.00	10006.00	.99	1357.79	.00	20.00
	32.000	63.00	.00	63.00	.00	1356.80	9994.00	10006.00	1.57	1358.37	.00	20.00
	32.000	86.00	.00	86.00	.00	1356.80	9994.00	10006.00	1.89	1358.69	.00	20.00
	32.000	122.00	.00	122.00	.00	1356.80	9994.00	10006.00	2.30	1359.10	.00	20.00
	32.000	155.00	.00	155.00	.00	1356.80	9994.00	10006.00	2.63	1359.43	.00	20.00
	32.000	195.00	.00	195.00	.00	1356.80	9994.00	10006.00	3.01	1359.81	.00	20.00
*	33.000	23.00	.00	23.00	.00	1359.20	9987.06	10005.07	.39	1359.59	1359.59	45.00
*	33.000	51.00	.00	51.00	.00	1359.20	9986.56	10005.48	.66	1359.86	1359.86	45.00
*	33.000	68.00	.00	68.00	.00	1359.20	9986.31	10005.70	.79	1359.99	1359.99	45.00
*	33.000	97.00	.00	97.00	.00	1359.20	9985.94	10006.01	.99	1360.19	1360.19	45.00
*	33.000	125.00	.00	125.00	.00	1359.20	9985.62	10006.28	1.16	1360.36	1360.36	45.00
*	33.000	157.00	.00	157.00	.00	1359.20	9985.28	10006.56	1.34	1360.54	1360.54	45.00
*	34.000	23.00	.00	23.00	.00	1358.30	9985.61	10005.19	1.48	1359.79	1359.27	45.00
*	34.000	51.00	.00	51.00	.00	1358.30	9984.22	10005.92	1.84	1360.14	1359.55	45.00
*	34.000	68.00	.00	68.00	.00	1358.30	9983.54	10006.28	2.01	1360.31	1359.69	45.00
*	34.000	97.00	.00	97.00	.00	1358.30	9982.31	10006.81	2.27	1360.57	1359.91	45.00
*	34.000	125.00	.00	125.00	.00	1358.30	9980.74	10007.27	2.50	1360.80	1360.08	45.00
*	34.000	157.00	.00	157.00	.00	1358.30	9914.27	10007.77	2.74	1361.04	1360.26	45.00
*	35.000	23.00	.00	23.00	.00	1358.90	9993.19	10001.61	.84	1359.74	1359.74	45.00
*	35.000	51.00	.00	51.00	.00	1358.90	9992.49	10002.73	1.29	1360.19	1360.19	45.00
*	35.000	68.00	.00	68.00	.00	1358.90	9992.15	10003.27	1.51	1360.41	1360.41	45.00
*	35.000	97.00	.00	97.00	.00	1358.90	9991.67	10004.04	1.82	1360.72	1360.72	45.00
*	35.000	125.00	.00	125.00	.00	1358.90	9991.26	10004.69	2.08	1360.98	1360.98	45.00
*	35.000	157.00	.00	150.21	6.79	1358.90	9988.71	10095.70	2.72	1361.62	1361.62	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
	36.000	23.00	.00	23.00	.00	1359.50	9994.05	10000.94	1.34	1360.84	.00	45.00
	36.000	51.00	.00	51.00	.00	1359.50	9992.59	10002.34	1.84	1361.34	.00	45.00
	36.000	68.00	.00	68.00	.00	1359.50	9991.93	10100.90	2.05	1361.55	1361.48	45.00
*	36.000	97.00	4.88	69.25	22.87	1359.50	9895.13	10100.90	2.47	1361.97	1361.97	45.00
*	36.000	125.00	19.98	66.05	38.98	1359.50	9891.50	10100.90	2.62	1362.12	.00	45.00
*	36.000	157.00	49.42	50.80	56.78	1359.50	9891.50	10100.90	2.78	1362.28	.00	45.00
*	37.000	23.00	.00	23.00	.00	1359.40	9992.54	10001.67	1.87	1361.27	.00	45.00
*	37.000	51.00	.00	42.88	8.12	1359.40	9988.84	10054.88	2.56	1361.96	.00	45.00
*	37.000	68.00	4.03	39.71	24.26	1359.40	9885.30	10099.90	2.83	1362.23	.00	45.00
*	37.000	97.00	10.57	49.33	37.10	1359.40	9885.30	10099.90	2.90	1362.30	.00	45.00
	37.000	125.00	18.15	58.07	48.78	1359.40	9885.30	10099.90	2.95	1362.35	.00	45.00
	37.000	157.00	28.94	65.78	62.28	1359.40	9885.30	10099.90	3.01	1362.41	.00	45.00
*	38.000	23.00	.00	23.00	.00	1359.50	9986.89	10003.07	1.96	1361.46	.00	45.00
*	38.000	51.00	.11	45.31	5.58	1359.50	9978.13	10100.20	2.62	1362.12	.00	45.00
	38.000	68.00	2.00	51.55	14.45	1359.50	9950.92	10100.20	2.81	1362.31	.00	45.00
	38.000	97.00	5.26	66.97	24.77	1359.50	9935.83	10100.20	2.91	1362.41	.00	45.00
	38.000	125.00	10.13	78.85	36.02	1359.50	9921.91	10100.20	2.98	1362.48	.00	45.00
	38.000	157.00	17.23	90.24	49.52	1359.50	9907.91	10100.20	3.05	1362.55	.00	45.00
*	39.000	23.00	.00	23.00	.00	1359.80	9991.91	10001.06	1.83	1361.63	.00	45.00
*	39.000	51.00	.00	51.00	.00	1359.80	9989.76	10002.26	2.43	1362.23	.00	45.00
*	39.000	68.00	.00	68.00	.00	1359.80	9989.39	10002.47	2.54	1362.34	.00	45.00
	39.000	97.00	.00	75.10	21.90	1359.80	9903.17	10100.60	2.91	1362.71	.00	45.00
*	39.000	125.00	.22	88.44	36.34	1359.80	9891.82	10100.60	2.95	1362.75	1362.75	45.00
*	39.000	157.00	1.56	99.26	56.18	1359.80	9879.10	10100.60	3.00	1362.80	1362.80	45.00
*	40.000	23.00	.00	23.00	.00	1360.40	9992.37	10011.92	1.49	1361.89	.00	45.00
*	40.000	51.00	.00	51.00	.00	1360.40	9990.33	10017.30	2.15	1362.55	.00	45.00
*	40.000	68.00	.00	67.62	.38	1360.40	9989.62	10070.21	2.37	1362.77	.00	45.00
*	40.000	97.00	.49	84.24	12.27	1360.40	9895.40	10100.80	2.60	1363.00	.00	45.00
*	40.000	125.00	3.68	97.26	24.06	1360.40	9895.40	10100.80	2.70	1363.10	.00	45.00
*	40.000	157.00	10.89	108.91	37.20	1360.40	9895.40	10100.80	2.79	1363.19	.00	45.00
*	41.000	23.00	.00	23.00	.00	1360.10	9979.43	10000.40	1.91	1362.01	.00	45.00
	41.000	51.00	.00	51.00	.00	1360.10	9974.56	10001.72	2.57	1362.67	.00	45.00
	41.000	68.00	.00	68.00	.00	1360.10	9972.82	10002.19	2.80	1362.90	.00	45.00
	41.000	97.00	.00	97.00	.00	1360.10	9971.04	10002.67	3.03	1363.13	.00	45.00
	41.000	125.00	.06	124.94	.00	1360.10	9867.70	10002.90	3.15	1363.25	.00	45.00
	41.000	157.00	1.40	155.60	.00	1360.10	9867.70	10003.09	3.24	1363.34	.00	45.00
*	42.000	23.00	.00	23.00	.00	1360.60	9994.43	10000.31	1.53	1362.13	.00	45.00
*	42.000	51.00	.00	51.00	.00	1360.60	9993.48	10001.58	2.08	1362.68	.00	45.00
*	42.000	68.00	.00	68.00	.00	1360.60	9993.00	10002.13	2.33	1362.93	1362.93	45.00
*	42.000	97.00	20.74	73.84	2.42	1360.60	9890.10	10095.00	3.12	1363.72	1363.72	45.00
*	42.000	125.00	39.39	77.81	7.80	1360.60	9890.10	10095.00	3.21	1363.81	1363.81	45.00
*	42.000	157.00	52.44	92.94	11.62	1360.60	9890.10	10095.00	3.23	1363.83	1363.83	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	43.000	23.00	.00	23.00	.00	1360.90	9992.43	10001.12	2.12	1363.02	.00	45.00
*	43.000	51.00	3.04	47.96	.00	1360.90	9943.58	10001.97	2.89	1363.79	.00	45.00
*	43.000	68.00	12.38	48.77	6.85	1360.90	9924.68	10153.50	3.05	1363.95	.00	45.00
*	43.000	97.00	26.31	42.95	27.74	1360.90	9918.94	10153.50	3.23	1364.13	.00	45.00
*	43.000	125.00	36.13	46.90	41.97	1360.90	9917.24	10153.50	3.30	1364.20	.00	45.00
*	43.000	157.00	47.86	47.68	61.46	1360.90	9914.86	10153.50	3.39	1364.29	.00	45.00
	44.000	23.00	.00	23.00	.00	1361.00	9994.07	10002.75	2.20	1363.20	.00	45.00
	44.000	51.00	.35	43.92	6.73	1361.00	9962.79	10134.56	2.98	1363.98	.00	45.00
	44.000	68.00	2.33	49.10	16.57	1361.00	9931.09	10139.54	3.09	1364.09	.00	45.00
	44.000	97.00	10.12	52.26	34.62	1361.00	9925.89	10143.64	3.22	1364.22	.00	45.00
	44.000	125.00	17.70	57.08	50.22	1361.00	9923.49	10145.78	3.30	1364.30	.00	45.00
	44.000	157.00	28.25	59.31	69.44	1361.00	9920.66	10148.29	3.38	1364.38	.00	45.00
*	45.000	23.00	.00	23.00	.00	1362.10	10001.90	10012.27	1.32	1363.42	.00	45.00
	45.000	51.00	1.12	36.04	13.84	1362.10	9962.67	10150.51	2.06	1364.16	.00	45.00
	45.000	68.00	3.54	38.28	26.17	1362.10	9958.51	10152.52	2.17	1364.27	.00	45.00
	45.000	97.00	9.19	43.04	44.77	1362.10	9942.78	10154.59	2.29	1364.39	.00	45.00
	45.000	125.00	16.06	46.66	62.27	1362.10	9936.73	10156.21	2.38	1364.48	.00	45.00
	45.000	157.00	24.08	51.55	81.37	1362.10	9931.88	10157.06	2.45	1364.55	.00	45.00
	46.000	23.00	.00	23.00	.00	1362.30	9994.43	10002.89	1.62	1363.92	.00	45.00
*	46.000	51.00	.00	37.99	13.00	1362.30	9975.96	10199.59	2.13	1364.43	1364.43	45.00
*	46.000	68.00	.13	42.10	25.77	1362.30	9975.75	10207.86	2.18	1364.48	1364.48	45.00
	46.000	97.00	1.09	40.38	55.53	1362.30	9975.31	10224.70	2.29	1364.59	.00	45.00
*	46.000	125.00	2.61	37.88	84.51	1362.30	9974.93	10250.20	2.37	1364.67	.00	45.00
	46.000	157.00	4.29	39.13	113.58	1362.30	9974.62	10253.20	2.44	1364.74	.00	45.00
*	47.000	23.00	.00	23.00	.00	1362.70	9992.05	10004.74	1.65	1364.35	.00	45.00
*	47.000	51.00	.00	24.44	26.56	1362.70	9976.85	10228.98	2.09	1364.79	.00	45.00
*	47.000	68.00	.00	28.11	39.89	1362.70	9976.64	10252.50	2.14	1364.84	.00	45.00
*	47.000	97.00	.00	34.80	62.20	1362.70	9976.41	10252.50	2.21	1364.91	.00	45.00
	47.000	125.00	.00	41.36	83.64	1362.70	9976.25	10252.50	2.25	1364.95	.00	45.00
	47.000	157.00	.00	47.56	109.44	1362.70	9976.05	10252.50	2.30	1365.00	.00	45.00
*	48.000	23.00	.00	22.10	.90	1361.70	9991.11	10127.06	2.79	1364.49	.00	45.00
*	48.000	51.00	.05	21.77	29.18	1361.70	9939.22	10172.21	3.16	1364.86	.00	45.00
*	48.000	68.00	.47	24.85	42.68	1361.70	9932.61	10177.76	3.22	1364.92	.00	45.00
*	48.000	97.00	1.85	30.14	65.02	1361.70	9932.02	10184.61	3.31	1365.01	.00	45.00
*	48.000	125.00	3.93	34.84	86.23	1361.70	9931.57	10192.47	3.37	1365.07	1364.68	45.00
*	48.000	157.00	6.94	39.96	110.10	1361.70	9931.11	10200.58	3.43	1365.13	1364.73	45.00
*	49.000	23.00	.00	23.00	.00	1362.50	9996.45	10003.78	2.04	1364.54	.00	45.00
*	49.000	51.00	.00	37.60	13.40	1362.50	9996.21	10135.83	2.42	1364.92	1364.92	45.00
*	49.000	68.00	.00	42.84	25.16	1362.50	9996.17	10138.79	2.48	1364.98	1364.98	45.00
*	49.000	97.00	.00	49.61	47.39	1362.50	9996.12	10142.69	2.57	1365.07	1365.07	45.00
*	49.000	125.00	.09	51.81	73.10	1362.50	9985.54	10146.92	2.66	1365.16	1365.16	45.00
*	49.000	157.00	3.40	52.61	100.99	1362.50	9939.48	10154.16	2.76	1365.26	1365.26	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
	50.000	23.00	.00	23.00	.00	1362.90	9936.24	10094.07	2.20	1365.10	.00	45.00
*	50.000	51.00	7.94	29.64	13.42	1362.90	9916.69	10149.44	2.52	1365.42	.00	45.00
*	50.000	68.00	13.96	31.63	22.41	1362.90	9911.21	10152.14	2.60	1365.50	.00	45.00
*	50.000	97.00	25.27	35.10	36.63	1362.90	9900.37	10155.64	2.70	1365.60	.00	45.00
*	50.000	125.00	36.69	39.11	49.19	1362.90	9900.20	10158.14	2.77	1365.67	.00	45.00
*	50.000	157.00	49.63	44.34	63.03	1362.90	9900.20	10160.38	2.83	1365.73	.00	45.00
*	51.000	23.00	.00	23.00	.00	1362.90	9992.46	10007.72	2.35	1365.25	.00	45.00
*	51.000	51.00	.00	50.74	.26	1362.90	9992.25	10123.88	2.65	1365.55	.00	45.00
	51.000	68.00	.00	65.41	2.59	1362.90	9992.18	10128.88	2.74	1365.64	.00	45.00
	51.000	97.00	.00	86.82	10.18	1362.90	9992.11	10134.82	2.85	1365.75	.00	45.00
	51.000	125.00	.00	105.13	19.87	1362.90	9992.05	10138.34	2.91	1365.81	.00	45.00
	51.000	157.00	.00	125.38	31.62	1362.90	9992.02	10140.06	2.98	1365.88	.00	45.00
	52.000	23.00	.00	23.00	.00	1363.70	9994.92	10022.06	1.58	1365.28	.00	45.00
	52.000	51.00	.00	50.86	.13	1363.70	9994.24	10118.72	1.95	1365.65	.00	45.00
	52.000	68.00	.00	67.06	.94	1363.70	9993.99	10120.52	2.08	1365.78	.00	45.00
*	52.000	97.00	.00	92.30	4.70	1363.70	9993.68	10127.17	2.25	1365.95	.00	45.00
*	52.000	125.00	.00	113.35	11.65	1363.70	9993.45	10132.67	2.37	1366.07	.00	45.00
*	52.000	157.00	.00	132.95	24.05	1363.70	9993.21	10146.96	2.50	1366.20	.00	45.00
*	53.000	23.00	.00	23.00	.00	1364.20	9994.54	10021.83	1.10	1365.30	.00	45.00
	53.000	51.00	.00	51.00	.00	1364.20	9992.78	10022.98	1.48	1365.68	.00	45.00
	53.000	68.00	.00	68.00	.00	1364.20	9992.14	10023.40	1.61	1365.81	.00	45.00
	53.000	97.00	.00	97.00	.00	1364.20	9991.34	10023.92	1.79	1365.99	.00	45.00
	53.000	125.00	.00	125.00	.00	1364.20	9990.64	10123.39	1.92	1366.12	.00	45.00
	53.000	157.00	.00	155.65	1.35	1364.20	9988.49	10127.21	2.05	1366.25	.00	45.00
	54.000	19.00	.00	19.00	.00	1364.60	9991.89	10061.35	.75	1365.35	.00	45.00
	54.000	40.00	.00	40.00	.00	1364.60	9974.88	10071.02	1.15	1365.75	.00	45.00
*	54.000	54.00	.00	54.00	.00	1364.60	9967.96	10074.90	1.30	1365.90	.00	45.00
*	54.000	78.00	.00	78.00	.00	1364.60	9963.05	10086.44	1.52	1366.12	.00	45.00
*	54.000	103.00	.00	103.00	.00	1364.60	9959.26	10092.08	1.68	1366.28	.00	45.00
*	54.000	129.00	.00	129.00	.00	1364.60	9955.47	10097.72	1.84	1366.44	.00	45.00
*	55.000	19.00	.00	19.00	.00	1364.90	9921.54	10047.30	.87	1365.77	1365.77	45.00
*	55.000	40.00	.00	40.00	.00	1364.90	9920.63	10059.85	1.03	1365.93	1365.93	45.00
*	55.000	54.00	.00	54.00	.00	1364.90	9919.67	10060.23	1.10	1366.00	1366.00	45.00
*	55.000	78.00	.00	78.00	.00	1364.90	9917.50	10061.10	1.26	1366.16	.00	45.00
*	55.000	103.00	.00	103.00	.00	1364.90	9915.15	10062.04	1.43	1366.33	.00	45.00
*	55.000	129.00	.00	129.00	.00	1364.90	9911.72	10062.89	1.59	1366.49	.00	45.00
*	56.000	19.00	.00	19.00	.00	1365.70	9972.40	10049.26	.90	1366.60	.00	45.00
*	56.000	40.00	.00	40.00	.00	1365.70	9945.38	10062.81	1.25	1366.95	.00	45.00
*	56.000	54.00	.00	54.00	.00	1365.70	9944.42	10063.91	1.30	1367.00	.00	45.00
	56.000	78.00	.00	78.00	.00	1365.70	9943.65	10064.79	1.34	1367.04	.00	45.00
*	56.000	103.00	.00	103.00	.00	1365.70	9943.68	10064.75	1.34	1367.04	.00	45.00
*	56.000	129.00	.00	129.00	.00	1365.70	9943.64	10064.80	1.35	1367.05	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
	57.000	19.00	.00	19.00	.00	1365.70	9982.10	10063.24	1.19	1366.89	.00	45.00
*	57.000	40.00	.00	40.00	.00	1365.70	9955.02	10084.68	1.53	1367.23	.00	45.00
*	57.000	54.00	.00	53.61	.39	1365.70	9953.65	10102.66	1.61	1367.31	.00	45.00
*	57.000	78.00	.00	75.31	2.69	1365.70	9951.56	10106.39	1.72	1367.42	.00	45.00
*	57.000	103.00	.00	96.26	6.74	1365.70	9946.47	10110.25	1.81	1367.51	.00	45.00
*	57.000	129.00	.00	117.72	11.28	1365.70	9942.22	10113.49	1.90	1367.60	.00	45.00
	58.000	19.00	.00	19.00	.00	1365.50	9983.42	10033.56	1.55	1367.05	.00	45.00
	58.000	40.00	.00	40.00	.00	1365.50	9961.04	10035.10	1.93	1367.43	.00	45.00
	58.000	54.00	.00	54.00	.00	1365.50	9957.77	10035.60	2.06	1367.56	.00	45.00
*	58.000	78.00	.00	78.00	.00	1365.50	9954.33	10036.13	2.18	1367.68	.00	45.00
*	58.000	103.00	.00	103.00	.00	1365.50	9951.95	10036.50	2.28	1367.78	.00	45.00
*	58.000	129.00	.00	129.00	.00	1365.50	9949.82	10037.32	2.36	1367.86	.00	45.00
*	59.000	19.00	.00	19.00	.00	1366.30	9959.91	10015.36	1.03	1367.33	.00	45.00
	59.000	40.00	.00	40.00	.00	1366.30	9956.22	10021.84	1.38	1367.68	.00	45.00
*	59.000	54.00	.00	54.00	.00	1366.30	9954.91	10025.01	1.52	1367.82	.00	45.00
*	59.000	78.00	.00	77.78	.22	1366.30	9952.65	10026.46	1.68	1367.98	.00	45.00
*	59.000	103.00	.00	102.28	.72	1366.30	9949.96	10027.78	1.82	1368.12	.00	45.00
*	59.000	129.00	.00	127.52	1.48	1366.30	9947.71	10028.89	1.94	1368.24	.00	45.00
*	60.000	19.00	.00	19.00	.00	1366.10	9955.74	10002.76	1.35	1367.45	.00	45.00
*	60.000	40.00	.00	40.00	.00	1366.10	9954.74	10008.32	1.66	1367.76	.00	45.00
*	60.000	54.00	.00	54.00	.00	1366.10	9954.26	10009.83	1.81	1367.91	.00	45.00
	60.000	78.00	.00	78.00	.00	1366.10	9953.70	10011.60	1.98	1368.08	.00	45.00
*	60.000	103.00	.00	103.00	.00	1366.10	9953.21	10013.29	2.13	1368.23	.00	45.00
*	60.000	129.00	.00	129.00	.00	1366.10	9952.78	10015.47	2.26	1368.36	.00	45.00
	61.000	14.00	.00	14.00	.00	1366.40	9965.50	10011.50	1.07	1367.47	.00	45.00
	61.000	28.00	.00	28.00	.00	1366.40	9963.56	10019.36	1.39	1367.79	.00	45.00
	61.000	38.00	.00	38.00	.00	1366.40	9962.65	10023.81	1.54	1367.94	.00	45.00
	61.000	55.00	.00	55.00	.00	1366.40	9961.54	10030.28	1.73	1368.13	.00	45.00
	61.000	71.00	.00	71.00	.00	1366.40	9960.56	10036.42	1.89	1368.29	.00	45.00
	61.000	87.00	.00	86.84	.16	1366.40	9959.69	10098.60	2.04	1368.44	.00	45.00
*	62.000	14.00	.00	14.00	.00	1366.50	9977.85	10009.24	.98	1367.48	.00	45.00
*	62.000	28.00	.00	28.00	.00	1366.50	9974.18	10010.93	1.31	1367.81	.00	45.00
*	62.000	38.00	.00	38.00	.00	1366.50	9972.44	10011.69	1.47	1367.97	.00	45.00
*	62.000	55.00	.00	55.00	.00	1366.50	9970.30	10012.62	1.66	1368.16	.00	45.00
*	62.000	71.00	.00	71.00	.00	1366.50	9967.51	10013.43	1.82	1368.32	.00	45.00
*	62.000	87.00	.00	87.00	.00	1366.50	9964.74	10014.15	1.97	1368.47	.00	45.00
*	63.000	14.00	.00	14.00	.00	1368.10	10009.20	10030.88	.59	1368.69	1368.69	45.00
*	63.000	28.00	.00	28.00	.00	1368.10	10005.84	10033.22	.74	1368.84	1368.84	45.00
*	63.000	38.00	.00	38.00	.00	1368.10	10004.05	10034.49	.82	1368.92	1368.92	45.00
*	63.000	55.00	.00	55.00	.00	1368.10	9952.37	10036.25	.92	1369.02	1369.02	45.00
*	63.000	71.00	4.99	66.00	.00	1368.10	9909.31	10039.11	1.10	1369.20	1369.20	45.00
*	63.000	87.00	10.77	76.23	.00	1368.10	9902.02	10039.88	1.14	1369.24	1369.24	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	64.000	14.00	.00	14.00	.00	1367.30	9998.10	10009.49	1.69	1368.99	.00	45.00
*	64.000	28.00	.19	27.54	.27	1367.30	9945.84	10064.82	2.08	1369.38	.00	45.00
*	64.000	38.00	3.56	32.66	1.78	1367.30	9921.43	10067.13	2.20	1369.50	.00	45.00
*	64.000	55.00	15.48	33.73	5.79	1367.30	9878.22	10100.52	2.34	1369.64	.00	45.00
*	64.000	71.00	26.27	34.96	9.77	1367.30	9860.20	10104.70	2.42	1369.72	.00	45.00
*	64.000	87.00	34.25	39.91	12.84	1367.30	9860.20	10106.94	2.45	1369.75	.00	45.00
*	65.000	14.00	.00	14.00	.00	1368.10	10002.60	10010.09	.95	1369.05	1369.05	45.00
*	65.000	28.00	.00	20.28	7.72	1368.10	10000.94	10096.25	1.49	1369.59	.00	45.00
*	65.000	38.00	.00	24.09	13.91	1368.10	9934.85	10097.72	1.61	1369.71	.00	45.00
*	65.000	55.00	.57	30.16	24.27	1368.10	9928.28	10101.38	1.73	1369.83	.00	45.00
*	65.000	71.00	2.26	34.21	34.53	1368.10	9923.46	10128.45	1.82	1369.92	.00	45.00
*	65.000	87.00	4.30	38.77	43.92	1368.10	9920.96	10135.41	1.86	1369.96	.00	45.00
*	66.000	14.00	.00	14.00	.00	1366.60	9993.87	10009.14	2.74	1369.34	.00	45.00
*	66.000	28.00	.00	28.00	.00	1366.60	9976.88	10010.18	3.14	1369.74	.00	45.00
*	66.000	38.00	.00	38.00	.00	1366.60	9975.60	10010.52	3.28	1369.88	.00	45.00
*	66.000	55.00	.00	55.00	.00	1366.60	9974.15	10099.21	3.43	1370.03	.00	45.00
*	66.000	71.00	.00	70.82	.17	1366.60	9973.18	10099.84	3.53	1370.13	.00	45.00
*	66.000	87.00	.00	86.57	.43	1366.60	9972.44	10100.32	3.61	1370.21	.00	45.00
	67.000	14.00	.00	14.00	.00	1367.50	9989.58	10007.59	1.85	1369.35	.00	45.00
	67.000	28.00	.00	28.00	.00	1367.50	9987.54	10008.85	2.27	1369.77	.00	45.00
	67.000	38.00	.00	38.00	.00	1367.50	9937.73	10009.27	2.42	1369.92	.00	45.00
	67.000	55.00	.00	55.00	.00	1367.50	9936.85	10009.76	2.58	1370.08	.00	45.00
	67.000	71.00	.20	70.80	.00	1367.50	9936.19	10010.13	2.70	1370.20	.00	45.00
	67.000	87.00	.47	86.53	.00	1367.50	9935.70	10010.41	2.80	1370.30	.00	45.00
*	68.000	14.00	.00	14.00	.00	1367.40	9982.26	10006.49	1.96	1369.36	.00	45.00
*	68.000	28.00	.00	28.00	.00	1367.40	9980.93	10007.75	2.39	1369.79	.00	45.00
*	68.000	38.00	.00	38.00	.00	1367.40	9980.47	10008.18	2.53	1369.93	.00	45.00
*	68.000	55.00	.00	55.00	.00	1367.40	9979.91	10008.71	2.72	1370.12	.00	45.00
*	68.000	71.00	.00	71.00	.00	1367.40	9979.51	10009.09	2.85	1370.25	.00	45.00
*	68.000	87.00	.00	87.00	.00	1367.40	9913.45	10009.39	2.95	1370.35	.00	45.00
*	69.000	7.00	.00	7.00	.00	1367.80	9993.02	10005.51	1.58	1369.38	.00	191.24
*	69.000	13.00	.00	13.00	.00	1367.80	9992.66	10006.38	2.02	1369.82	.00	226.61
*	69.000	18.00	.00	18.00	.00	1367.80	9992.53	10006.70	2.18	1369.98	.00	237.33
*	69.000	27.00	.00	27.00	.00	1367.80	9992.36	10007.11	2.40	1370.20	.00	249.66
*	69.000	35.00	.00	35.00	.00	1367.80	9992.23	10007.43	2.56	1370.36	.00	258.17
*	69.000	43.00	.00	43.00	.00	1367.80	9991.78	10007.71	2.70	1370.50	.00	281.19
*	70.000	7.00	.00	7.00	.00	1367.50	10000.16	10013.67	1.90	1369.40	.00	45.00
*	70.000	13.00	.00	13.00	.00	1367.50	9998.99	10015.75	2.35	1369.85	.00	45.00
*	70.000	18.00	.00	18.00	.00	1367.50	9998.47	10016.56	2.53	1370.03	.00	45.00
*	70.000	27.00	.00	27.00	.00	1367.50	9997.80	10017.63	2.76	1370.26	.00	45.00
*	70.000	35.00	.00	35.00	.00	1367.50	9997.28	10018.46	2.94	1370.44	.00	45.00
*	70.000	43.00	.00	43.00	.00	1367.50	9996.82	10019.19	3.10	1370.60	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	71.000	7.00	.00	7.00	.00	1370.70	9999.80	10018.33	.70	1371.40	1371.40	45.00
*	71.000	13.00	.00	13.00	.00	1370.70	9999.52	10018.86	.84	1371.54	1371.54	45.00
*	71.000	18.00	.00	18.00	.00	1370.70	9999.36	10019.46	.92	1371.62	1371.62	45.00
*	71.000	27.00	3.93	23.06	.00	1370.70	9948.97	10023.60	1.15	1371.85	1371.85	45.00
*	71.000	35.00	6.51	28.49	.00	1370.70	9947.28	10023.98	1.18	1371.88	1371.88	45.00
*	71.000	43.00	11.44	31.56	.00	1370.70	9943.81	10025.31	1.22	1371.92	1371.92	45.00
*	72.000	7.00	.00	7.00	.00	1369.30	9992.48	10010.10	2.25	1371.55	.00	45.00
*	72.000	13.00	.00	13.00	.00	1369.30	9991.54	10011.06	2.45	1371.75	.00	45.00
*	72.000	18.00	.00	18.00	.00	1369.30	9990.92	10011.70	2.59	1371.89	.00	45.00
*	72.000	27.00	.00	27.00	.00	1369.30	9990.30	10012.34	2.73	1372.03	.00	45.00
*	72.000	35.00	.00	35.00	.00	1369.30	9989.92	10012.73	2.82	1372.12	.00	45.00
*	72.000	43.00	.00	43.00	.00	1369.30	9989.61	10013.05	2.88	1372.18	.00	45.00
	73.000	7.00	.00	7.00	.00	1369.80	9996.75	10011.79	1.75	1371.55	.00	45.00
	73.000	13.00	.00	13.00	.00	1369.80	9996.33	10012.60	1.96	1371.76	.00	45.00
	73.000	18.00	.00	18.00	.00	1369.80	9996.06	10013.14	2.10	1371.90	.00	45.00
	73.000	27.00	.00	27.00	.00	1369.80	9995.77	10013.71	2.25	1372.05	.00	45.00
	73.000	35.00	.00	35.00	.00	1369.80	9995.58	10014.14	2.35	1372.15	.00	45.00
	73.000	43.00	.00	43.00	.00	1369.80	9995.43	10014.53	2.43	1372.23	.00	45.00
*	74.000	7.00	.00	2.77	4.23	1370.40	9996.80	10061.14	1.16	1371.56	.00	45.00
*	74.000	13.00	.00	3.58	9.42	1370.40	9996.20	10062.64	1.38	1371.78	.00	45.00
	74.000	18.00	.00	4.20	13.80	1370.40	9995.80	10074.23	1.53	1371.93	.00	45.00
	74.000	27.00	.00	5.43	21.57	1370.40	9995.37	10079.80	1.69	1372.09	.00	45.00
	74.000	35.00	.00	6.40	28.60	1370.40	9995.07	10080.33	1.80	1372.20	.00	45.00
*	74.000	43.00	.00	7.35	35.65	1370.40	9994.82	10092.98	1.89	1372.29	.00	45.00
	75.000	7.00	.00	7.00	.00	1369.90	9996.17	10006.44	1.69	1371.59	.00	45.00
	75.000	13.00	.00	13.00	.00	1369.90	9995.71	10007.23	1.90	1371.80	.00	45.00
*	75.000	18.00	.00	18.00	.00	1369.90	9995.41	10007.75	2.04	1371.94	.00	45.00
*	75.000	27.00	.00	27.00	.00	1369.90	9995.07	10105.00	2.19	1372.09	.00	45.00
*	75.000	35.00	.00	34.66	.34	1369.90	9994.85	10106.55	2.29	1372.19	.00	45.00
*	75.000	43.00	.00	42.05	.95	1369.90	9994.67	10107.80	2.37	1372.27	.00	45.00
*	76.000	7.00	.00	7.00	.00	1369.50	9987.77	10000.80	2.11	1371.61	.00	45.00
*	76.000	13.00	.00	13.00	.00	1369.50	9987.36	10001.72	2.35	1371.85	.00	45.00
*	76.000	18.00	.00	18.00	.00	1369.50	9987.09	10002.32	2.50	1372.00	.00	45.00
*	76.000	27.00	.00	27.00	.00	1369.50	9986.78	10003.02	2.69	1372.19	.00	45.00
*	76.000	35.00	.00	35.00	.00	1369.50	9986.56	10003.51	2.82	1372.32	.00	45.00
*	76.000	43.00	.00	43.00	.00	1369.50	9986.37	10003.93	2.93	1372.43	.00	45.00
	77.000	7.00	.00	7.00	.00	1369.60	9998.62	10005.09	2.03	1371.63	.00	45.00
	77.000	13.00	.00	13.00	.00	1369.60	9998.42	10005.40	2.27	1371.87	.00	45.00
*	77.000	18.00	.00	18.00	.00	1369.60	9998.29	10005.59	2.43	1372.03	.00	45.00
*	77.000	27.00	.00	27.00	.00	1369.60	9998.14	10005.87	2.63	1372.23	.00	45.00
*	77.000	35.00	.00	35.00	.00	1369.60	9998.03	10006.23	2.77	1372.37	.00	45.00
*	77.000	43.00	.00	43.00	.00	1369.60	9997.93	10006.54	2.88	1372.48	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	78.000	7.00	.00	7.00	.00	1370.30	9993.48	10002.57	1.37	1371.67	.00	45.00
	78.000	13.00	.00	13.00	.00	1370.30	9993.01	10005.21	1.66	1371.96	.00	45.00
	78.000	18.00	.00	18.00	.00	1370.30	9992.69	10007.93	1.86	1372.16	.00	45.00
	78.000	27.00	.00	27.00	.00	1370.30	9992.27	10012.43	2.12	1372.42	.00	45.00
	78.000	35.00	.00	35.00	.00	1370.30	9972.73	10015.67	2.32	1372.62	.00	45.00
	78.000	43.00	.14	42.86	.00	1370.30	9971.33	10016.97	2.48	1372.78	.00	45.00
	79.000	7.00	.00	7.00	.00	1370.10	9994.79	10025.25	1.64	1371.74	.00	45.00
	79.000	13.00	.00	13.00	.00	1370.10	9994.50	10025.71	1.97	1372.07	.00	45.00
	79.000	18.00	.00	18.00	.00	1370.10	9994.31	10026.01	2.18	1372.28	.00	45.00
	79.000	27.00	.00	27.00	.00	1370.10	9994.05	10026.42	2.46	1372.56	.00	45.00
	79.000	35.00	.00	35.00	.00	1370.10	9993.86	10026.70	2.66	1372.76	.00	45.00
	79.000	43.00	.00	43.00	.00	1370.10	9993.72	10026.93	2.82	1372.92	.00	45.00
*	80.000	7.00	.00	7.00	.00	1369.70	10017.21	10025.87	2.10	1371.80	.00	45.00
*	80.000	13.00	.00	13.00	.00	1369.70	10016.41	10026.58	2.45	1372.15	.00	45.00
*	80.000	18.00	.00	18.00	.00	1369.70	10015.87	10027.23	2.67	1372.37	.00	45.00
*	80.000	27.00	.00	27.00	.00	1369.70	10015.10	10028.79	2.98	1372.68	.00	45.00
	80.000	35.00	.00	35.00	.00	1369.70	10014.60	10029.82	3.19	1372.89	.00	45.00
	80.000	43.00	.00	43.00	.00	1369.70	10014.18	10030.68	3.37	1373.07	.00	45.00
*	81.000	7.00	.00	7.00	.00	1371.00	9994.57	10023.18	.81	1371.81	.00	45.00
*	81.000	13.00	.00	13.00	.00	1371.00	9993.28	10025.08	1.17	1372.17	.00	45.00
*	81.000	18.00	.00	18.00	.00	1371.00	9992.47	10026.29	1.40	1372.40	.00	45.00
	81.000	27.00	.00	27.00	.00	1371.00	9991.36	10027.92	1.72	1372.72	.00	45.00
*	81.000	35.00	.00	35.00	.00	1371.00	9990.60	10029.04	1.93	1372.93	.00	45.00
*	81.000	43.00	.00	43.00	.00	1371.00	9989.93	10029.40	2.12	1373.12	.00	45.00
*	82.000	7.00	.00	7.00	.00	1372.00	9989.75	10016.99	.47	1372.47	1372.47	45.00
*	82.000	13.00	.00	13.00	.00	1372.00	9989.63	10017.30	.55	1372.55	1372.55	45.00
*	82.000	18.00	.00	18.00	.00	1372.00	9989.58	10017.45	.59	1372.59	1372.59	45.00
*	82.000	27.00	.00	27.00	.00	1372.00	9989.45	10017.80	.68	1372.68	1372.68	45.00
*	82.000	35.00	.00	35.00	.00	1372.00	9989.13	10018.65	.89	1372.89	.00	45.00
*	82.000	43.00	.00	43.00	.00	1372.00	9988.84	10019.44	1.09	1373.09	.00	45.00
*	83.000	7.00	.00	7.00	.00	1371.40	9982.60	9997.19	1.33	1372.73	.00	45.00
*	83.000	13.00	.00	13.00	.00	1371.40	9982.17	9999.06	1.51	1372.91	.00	45.00
*	83.000	18.00	.00	18.00	.00	1371.40	9981.89	10000.37	1.63	1373.03	.00	45.00
*	83.000	27.00	.00	27.00	.00	1371.40	9981.52	10002.50	1.79	1373.19	.00	45.00
*	83.000	35.00	.00	35.00	.00	1371.40	9981.34	10003.50	1.86	1373.26	.00	45.00
	83.000	43.00	.00	43.00	.00	1371.40	9981.10	10004.90	1.97	1373.37	.00	45.00
*	84.000	7.00	.00	7.00	.00	1372.00	9984.10	9994.52	.81	1372.81	.00	45.00
	84.000	13.00	.00	13.00	.00	1372.00	9983.76	9995.27	1.03	1373.03	.00	45.00
	84.000	18.00	.00	18.00	.00	1372.00	9983.56	9995.73	1.17	1373.17	.00	45.00
	84.000	27.00	.00	27.00	.00	1372.00	9983.24	9996.42	1.37	1373.37	.00	45.00
	84.000	35.00	.00	35.00	.00	1372.00	9983.05	9996.84	1.49	1373.49	.00	45.00
	84.000	43.00	.00	43.00	.00	1372.00	9982.86	9997.28	1.62	1373.62	.00	45.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	85.000	7.00	.00	7.00	.00	1373.10	9990.57	9998.88	.50	1373.60	1373.60	45.00
*	85.000	13.00	.00	13.00	.00	1373.10	9989.94	9999.44	.65	1373.75	1373.75	45.00
*	85.000	18.00	.00	18.00	.00	1373.10	9989.52	9999.83	.75	1373.85	1373.85	45.00
*	85.000	27.00	.00	27.00	.00	1373.10	9988.87	10000.64	.91	1374.01	1374.01	45.00
*	85.000	35.00	.00	35.00	.00	1373.10	9988.40	10001.30	1.03	1374.13	1374.13	45.00
*	85.000	43.00	.00	43.00	.00	1373.10	9987.98	10001.90	1.13	1374.23	1374.23	45.00
*	86.000	7.00	.00	7.00	.00	1372.80	9995.47	10008.55	1.05	1373.85	.00	45.00
*	86.000	13.00	.00	13.00	.00	1372.80	9994.67	10009.01	1.29	1374.09	.00	45.00
*	86.000	18.00	.00	18.00	.00	1372.80	9994.14	10009.31	1.45	1374.25	.00	45.00
*	86.000	27.00	.00	27.00	.00	1372.80	9993.39	10009.74	1.68	1374.48	.00	45.00
*	86.000	35.00	.00	35.00	.00	1372.80	9992.84	10010.05	1.84	1374.64	.00	45.00
*	86.000	43.00	.00	43.00	.00	1372.80	9992.39	10010.31	1.99	1374.79	.00	45.00
*	87.000	7.00	.00	7.00	.00	1372.90	9993.91	10005.93	.99	1373.89	.00	45.00
*	87.000	13.00	.00	13.00	.00	1372.90	9993.57	10008.03	1.25	1374.15	.00	45.00
*	87.000	18.00	.00	18.00	.00	1372.90	9969.67	10009.37	1.42	1374.32	.00	45.00
	87.000	27.00	1.17	25.83	.00	1372.90	9965.80	10011.37	1.67	1374.57	.00	45.00
	87.000	35.00	3.31	31.69	.00	1372.90	9959.39	10012.76	1.84	1374.74	.00	45.00
	87.000	43.00	6.97	36.03	.00	1372.90	9951.00	10013.97	2.00	1374.90	.00	45.00
	88.000	7.00	.00	7.00	.00	1373.20	9976.33	10011.46	.73	1373.93	.00	45.00
*	88.000	13.00	.00	13.00	.00	1373.20	9973.54	10013.97	1.00	1374.20	.00	45.00
*	88.000	18.00	.00	18.00	.00	1373.20	9967.68	10014.91	1.17	1374.37	.00	45.00
	88.000	27.00	.00	27.00	.00	1373.20	9959.73	10016.21	1.41	1374.61	.00	45.00
*	88.000	35.00	.00	35.00	.00	1373.20	9954.27	10017.17	1.59	1374.79	.00	45.00
*	88.000	43.00	.00	43.00	.00	1373.20	9948.53	10018.00	1.75	1374.95	.00	45.00

EXISTING CONDITIONS

HEC-2 RUN

CACTUS ROAD

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**********************************************
*  HEC-2 WATER SURFACE PROFILES              *
*                                            *
*  Version   4.6.2;  May 1991                *
*                                            *
*  RUN DATE    03NOV94    TIME   16:39:21    *
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*****************************************
*  U.S. ARMY CORPS OF ENGINEERS         *
*  HYDROLOGIC ENGINEERING CENTER        *
*  609 SECOND STREET, SUITE D           *
*  DAVIS, CALIFORNIA 95616-4687         *
*          (916) 756-1104               *
*****************************************
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X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X         XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
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THIS RUN EXECUTED 03NOV94 16:39:21

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*****************************************
 HEC-2 WATER SURFACE PROFILES

 Version   4.6.2;  May 1991
*****************************************



SPLIT FLOW BEING PERFORMED


SF


TW     WEIR IN CACTUS ROAD BETWEEN SECTION 2 AND 3 - FLOWS TO WEST
WS     4       2       3      -1     2.3
WC     0 1394.40       4 1394.30     4.1 1393.80       8 1393.85

TW     WEIR IN CACTUS ROAD BETWEEN SECTION 3 AND 4 - FLOWS TO WEST
WS     2       3       4      -1     2.3
WC     0 1393.85      10 1393.90

       WEIR IN CACTUS ROAD BETWEEN SECTION 4 AND 5 - FLOWS TO WEST
WS     3       4       5      -1     2.3
WC     0 1393.90      21 1394.20      29 1394.15

TW     WEIR IN CACTUS ROAD BETWEEN SECTION 5 AND 6 - FLOWS TO WEST
WS     2       5       6      -1     2.3
WC     0 1394.15      19 1393.95

TW     WEIR IN CACTUS ROAD BETWEEN SECTION 6 AND 7 - FLOWS TO WEST
WS     4       6       7      -1     2.3
WC     0 1393.95       8 1393.86     8.1 1394.31      29 1395.00

TW     WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO WEST
WS     4       7       8      -1     2.3
WC     0 1395.00      10 1395.30

TW     WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO SOUTHWEST
WS     2       7       8      -1     2.3
WC     0 1394.50      18 1394.55

TW     WEIR IN CACTUS ROAD BETWEEN SECTION 8 AND 9 - FLOWS TO SOUTHWEST
WS     2       8       9      -1     2.3
WC     0 1394.60       9 1394.65

TW     WEIR IN CACTUS ROAD BETWEEN SECTION 9 AND 10 - FLOWS TO SOUTHWEST
       2       9      10      -1     2.3
WC     0 1394.65      11 1394.70
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TW    WEIR IN CACTUS ROAD BETWEEN SECTION 10 AND 11 - FLOWS TO SOUTHWEST
WS    2      10      11      -1      2.3
WC    0 1394.70      34 1394.90

TW    WEIR IN CACTUS ROAD BETWEEN SECTION 11 AND 12 - FLOWS TO SOUTHWEST
WS    2      11      12      -1      2.3
WC    0 1394.90      29 1395.05

TW    WEIR IN CACTUS ROAD BETWEEN SECTION 12 AND 13 - FLOWS TO SOUTHWEST
WS    2      12      13      -1      2.3
WC    0 1395.05      27 1395.20

TW    WEIR IN 84TH STREET BETWEEN SECTION 13 AND 14 - FLOWS TO SOUTHWEST
WS    2      13      14      -1      2.3
WC    0 1395.20      29 1395.25
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T2      84TH STREET AND CACTUS ROAD DRAINAGE IMPROVEMENT PROJECT
T2       EXISTING CHANNEL - NO IMPROVEMENTS
T2      SUBCRITICAL FLOW IN THUNDERBIRD WASH
T2      ALTERNATE 2
T2      - EXISTING CONDITION
T2      2-5-10-25-50-100-YEAR STORM
T2      - FILE TBIRDS2.DAT
T3      2-YEAR STORM

J1  ICHECK   INQ     NINV    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ

      0       2       0       0      -1       0       0       0       0       1

J2  NPROF    IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE

      1       0      -1


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

     38      43      13      14      15      42      53      54       8       1
      2      17

QT      6      93     311     432     642     755     839
NC   .035    .035    .025      .1      .3
X1    1.00      34  9971.1   10032
GR  1393.6  9802.1  1393.7  9804.5  1394.4  9810.3  1394.6  9817.2  1395.2  9825.6
GR  1396.3  9832.0  1396.8  9840.0  1396.9  9849.3  1396.3  9858.2  1395.6  9867.9
GR  1394.1  9880.2  1393.6  9889.6  1395.1  9898.5  1395.9  9909.6  1396.6  9923.5
GR  1396.6  9934.5  1395.2  9945.6  1394.4  9952.7  1394.4  9953.1  1394.8  9964.2
GR  1394.8  9971.1  1393.5  9977.7  1392.0  9983.9  1390.8  9988.8  1390.4  9994.2
GR  1389.7  9998.6  1389.8 10000.0  1390.1 10006.5  1390.6 10011.9  1391.8 10018.1
GR  1393.2 10021.4  1393.8 10025.8  1393.9 10032.0  1393.8 10039.7     0.0     0.0

X1    2.00       7     260   312.1      20      16      18
GR    1396     245    1394     260    1393     279  1390.5     287 1390.73     312
GR  1394.0   312.1    1394     332

NC    .018    .018    .012
X1    3.00       8     285   311.1       4       7       6
BT      -2     301 1393.97 1392.73     311 1393.93 1392.73
GR    1396     247    1394     263    1393     280    1391     285 1390.76     301
GR  1390.8     311    1394   311.1  1394.2     332

X1    4.00       9     290   311.1       5      10       7
BT      -4   290.1 1393.91 1392.65     300 1393.97 1392.65     301 1393.97 1392.73
BT             311 1393.99 1392.73
GR    1396     248  1394.0     264 1393.91     290 1390.65   290.1 1390.65     300
GR  1390.8     301 1390.79     311 1393.99   311.1    1394     332
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X	5.00	9	290	311.1	16	26	22			
BT	-4	290.1	1394.00	1392.75	300	1394.10	1392.75	301	1394.10	1392.88
BT		311	1394.20	1392.88						
GR	1397.5	240	1393.9	267	1394	290	1390.75	290.1	1390.75	300
GR	1390.9	301	1390.88	311	1394.2	311.1	1394.2	337		
X1	6.00	12	290	311.1	16	18	18			
BT	-4	290.1	1394.15	1392.83	300	1394.25	1392.83	301	1394.25	1392.96
BT		311	1394.36	1392.96						
GR	1397.5	233	1393.8	252	1394.65	260	1394.55	265	1394.05	265.1
GR	1394.1	290	1390.83	290.1	1390.83	300	1390.96	301	1390.96	311
GR	1394.4	311.1	1394.4	342						
X1	7.00	15	290	311.1	28	27	27			
BT	-4	290.1	1394.30	1392.96	300	1394.2	1392.96	301	1394.2	1393.07
BT		311	1394.15	1393.07						
GR	1396	214	1393.8	228	1394.7	232	1394.6	237	1394.1	237.1
GR	1394.4	275	1394.4	290	1390.96	290.1	1390.96	300	1391.07	301
GR	1391.1	311	1394.2	311.1	1394.1	320	1394.6	320.1	1395	348
X1	8.00	11	290	311.1	28	27	27			
BT	-4	290.1	1394.63	1393.13	300	1394.7	1393.13	301	1394.7	1393.17
BT		311	1394.7	1393.17						
GR	1394.5	180	1394.7	199.1	1394.25	200	1394.7	245	1394.09	290
GR	1391.1	290.1	1391.1	300	1391.17	301	1391.17	311	1395.74	311.1
	1395.7	329								
NC	.018	.018	.020							
X1	9.00	11	290	319	16	9	9			
BT	-2	290.1	1395.74	1393.13	300	1395.74	1393.13			
GR	1394.0	182	1394.75	235	1394.1	281	1394.6	281.1	1394.6	290
GR	1391.1	290.1	1391.13	300	1391.2	301	1390.8	312	1395.7	319
GR	1395.7	330								
X1	10.00	9	285	319	18	10	10			
GR	1394.2	179.0	1394.8	221	1394.15	266	1394.65	266.1	1395.74	285
GR	1391.1	285.1	1390.6	312	1395.7	319	1395.7	328		
X1	11.00	9	274	318	35	34	35			
GR	1394.8	173	1394.5	203	1394.22	220	1394.69	220.1	1394.4	274
GR	1389.6	296	1389.8	310	1395.5	318	1395.5	319		
X1	12.00	9	274	319	30	29	30			
GR	1394.6	174	1394.48	192	1394.6	218	1394.97	218.1	1394.5	274
GR	1390.5	292	1390.4	310	1395.4	319	1395.5	320		
X1	13.00	11	279	319	28	27	26			
GR	1395.1	173.0	1395.16	188	1394.67	188.1	1394.94	215	1394.72	240
GR	1395.2	240.1	1394.7	279	1391.40	289.0	1391.40	311	1395.40	319
GR	1395.5	322.0								

X1	14.00	11	282	318	24	27	26			
GR	1395.8	178	1395.35	210	1394.85	210.1	1395.24	235	1394.80	262
GR	1395.3	262.1	1395.13	282	1391.82	292	1392.1	310	1395.65	318
GR	1395.8	322								
X1	15.00	11	290	318	12	18	16			
GR	1395.9	190	1395.42	217	1394.92	217.1	1395.30	247	1394.92	274
GR	1395.4	274.1	1396.5	290	1392.02	290.1	1392.04	310	1395.7	318
GR	1395.7	323								
NC	.018	.018	.012							
X1	16.00	11	290	318	11	11	11			
BT	-2	290.1	1395.58	1394.06	300	1395.58	1394.06			
GR	1396	200	1395.5	227	1395.0	227.1	1395.35	257	1395.58	290
GR	1392.1	290.1	1392.06	300	1392.01	301	1392.03	310	1395.6	318
GR	1395.7	323								
X1	17.00	11	290	311.1	14	11	11			
BT	-4	290.1	1395.05	1394.10	300	1395.03	1394.10	301	1395.03	1394.01
BT		311	1396.50	1394.01						
GR	1396	212	1395.59	239	1395.09	239.1	1395.40	270	1395.2	290
GR	1392.1	290.1	1392.1	300	1392.01	301	1392.01	311	1396.5	311.1
GR	1395.7	326								
X1	18.00	12	290	311.1	28	24	18			
	-4	290.1	1395.64	1394.16	300	1395.35	1394.16	301	1395.35	1394.12
BT		311	1395.10	1394.12						
GR	1396	230	1395.7	258	1395.22	258.1	1396	290	1392.16	290.1
GR	1392.2	300	1392.12	301	1392.12	311	1395.15	311.1	1395.1	317
GR	1395.6	317.1	1396	346						
X1	19.00	9	290	311.1	20	21	18			
BT	-4	290.1	1395.40	1394.22	300	1395.50	1394.22	301	1395.50	1394.22
BT		311	1395.64	1394.22						
GR	1396.0	247	1395.4	290	1392.22	290.1	1392.22	300	1392.22	301
GR	1392.2	311	1395.6	311.1	1395.26	337	1395.72	337.5		
X1	20.00	8	290	311.1	20	20	19			
BT	-4	290.1	1395.50	1394.29	300	1395.45	1394.29	301	1395.45	1394.33
BT		311	1395.50	1394.33						
GR	1396.3	262	1395.3	290	1392.29	290.1	1392.29	300	1392.33	301
GR	1392.3	311	1395.5	311.1	1395.79	329				
X1	21.00	11	290	311.1	8	11	8			
BT	-4	290.1	1396.38	1394.33	300	1395.24	1394.33	301	1395.24	1394.38
BT		311	1395.96	1394.38						
GR	1396.3	270	1396.38	290	1392.33	290.1	1392.33	300	1392.38	301
GR	1392.4	311	1395.96	311.1	1395.9	338	1395.33	357	1395.83	357.1
GR	1395.7	377								

NG	.040	.040	.025							
X1	22.00	13	285	311.1	7	10	9			
BT	-2	301	1396.23	1394.51	311	1396.23	1394.51			
GR	1396.3	275	1396.1	285	1392.4	290	1392.4	300	1392.43	301
GR	1392.4	311	1395.24	311.1	1395.96	319	1395.5	319.1	1395.95	357
GR	1394.4	375	1395.9	375.1	1395.8	395				
X1	23.00	11	285	311.1	9	9	9			
GR	1395.6	272	1396.0	285	1392.4	291	1392.51	311	1396.23	311.1
GR	1396	330	1395.5	330.1	1396	360	1395.42	380	1395.92	380.1
GR	1395.8	400								
X1	24.00	13	285.7	315.5	41	32	39			
GR	1397.3	230	1396.6	260	1395.7	285.7	1392.6	291.5	1392.8	301.9
GR	1395.9	315.5	1396.5	328.7	1396.18	360	1395.7	360.1	1396.08	380
GR	1395.5	400	1396	400.1	1395.9	420				
X1	25.00	12	290.1	306.2	54	48	50			
GR	1397.5	243	1396.2	263.2	1396.5	290.1	1392.7	294	1392.8	302.7
GR	1397.2	306.2	1397.1	324.5	1396.3	385	1395.8	385.1	1395.65	415
GR	1396.1	415.1	1396	435						
QT	6	84	282	397	593	687	749			
X1	26.00	7	293.5	311.7	25	26	25			
GR	1397.6	247	1396.4	271	1396.3	293.5	1393.4	295.3	1392.7	307.3
GR	1397.5	311.7	1397.7	322.3						
X1	27.00	7	279.3	298.8	53	57	55			
GR	1397.7	259	1397.4	279.3	1394.3	285.8	1392.9	287.6	1393.4	296.9
GR	1394.8	298.8	1396.9	317.9						
X1	28.00	7	294.8	319.1	48	40	44			
GR	1398.2	273.3	1397.5	294.8	1394.7	301.1	1393.6	304.8	1393.4	313
GR	1397.5	319.1	1397.7	325.1						
X1	29.00	6	307.9	328.8	40	48	45			
GR	1398.5	284.5	1398.6	307.9	1393.7	314.6	1393.8	323	1397.4	328.8
GR	1397.8	340.0								
X1	30.00	6	311.4	335	30	30	30			
GR	1398.5	295	1397.9	311.4	1393.8	318.6	1393.9	327	1398.0	335
GR	1398.0	350.2								

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 1

CCHV= .100 CEHV= .300

*SECNO 1.000

2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED

3720 CRITICAL DEPTH ASSUMED

1.000	1.30	1391.00	1391.00	.00	1391.38	.38	.00	.00	1394.80
93.0	.0	93.0	.0	.0	18.9	.0	.0	.0	1393.90
.00	.00	4.92	.00	.000	.025	.000	.000	1389.70	9987.99
.010554	0.	0.	0.	0	18	0	.00	25.98	10013.96

*SECNO 2.000

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

2.000	.85	1391.35	1391.35	.00	1391.70	.36	.19	.00	1394.00
93.0	.0	93.0	.0	.0	19.4	.0	.0	.0	1394.00
.00	.00	4.79	.00	.000	.025	.000	.000	1390.50	284.29
.010775	20.	18.	16.	20	14	0	.00	27.73	312.02

*SECNO 3.000

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1393.93 MAX ELLC= 1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

3.000	.81	1391.57	1391.57	.00	1391.94	.36	.03	.00	1391.00
93.0	.7	92.3	.0	.4	19.0	.0	.0	.0	1394.00
.00	1.68	4.86	.00	.018	.012	.000	.000	1390.76	283.57
.002431	4.	6.	7.	20	15	0	.00	27.45	311.02

*SECNO 4.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1393.91 MAX ELLC= 1392.73

7185 MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

4.000	.92	1391.57	1391.57	.00	1392.00	.43	.02	.02	1393.91
93.0	.0	93.0	.0	.0	17.7	.0	.0	.0	1393.99
.00	.00	5.26	.00	.000	.012	.000	.000	1390.65	290.07
.002510	5.	7.	10.	0	9	0	.00	20.95	311.02

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 5.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.00 MAX ELLC= 1392.88

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

5.000	.92	1391.67	1391.67	.00	1392.10	.42	.05	.00	1394.00
93.0	.0	93.0	.0	.0	17.8	.0	.0	.0	1394.20
.00	.00	5.23	.00	.000	.012	.000	.000	1390.75	290.07
.002456	16.	22.	26.	20	12	0	.00	20.95	311.02

*SECNO 6.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1392.96

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

6.000	.92	1391.75	1391.75	.00	1392.17	.42	.04	.00	1394.10
93.0	.0	93.0	.0	.0	17.8	.0	.0	.0	1394.40
.00	.00	5.22	.00	.000	.012	.000	.000	1390.83	290.07
.002448	16.	18.	18.	2	12	0	.00	20.95	311.02

*SECNO 7.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1393.07

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

7.000	.91	1391.87	1391.87	.00	1392.30	.43	.07	.00	1394.40
93.0	.0	93.0	.0	.0	17.8	.0	.0	.1	1394.20
.01	.00	5.23	.00	.000	.012	.000	.000	1390.96	290.07
.002461	28.	27.	27.	20	12	0	.00	20.95	311.02

*SECNO 8.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.63 MAX ELLC= 1393.17

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

8.000	.88	1391.98	1391.98	.00	1392.41	.43	.07	.00	1394.09
93.0	.0	93.0	.0	.0	17.8	.0	.1	.1	1395.74
.01	.00	5.23	.00	.000	.012	.000	.000	1391.10	290.07
.002460	28.	27.	27.	20	12	0	.00	20.95	311.02

*SECNO 9.000

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.74 MAX ELLC= 1393.13

9.000	1.49	1392.29	1391.86	.00	1392.45	.17	.02	.03	1394.60
93.0	.0	93.0	.0	.0	28.4	.0	.1	.1	1395.70
.01	.00	3.28	.00	.000	.020	.000	.000	1390.80	290.07
.001699	16.	9.	9.	8	9	0	.00	24.05	314.12

*SECNO 10.000

WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.84

10.000	1.80	1392.40	.00	.00	1392.47	.07	.01	.01	1395.74
93.0	.0	93.0	.0	.0	44.3	.0	.1	.1	1395.70
.01	.00	2.10	.00	.000	.020	.000	.000	1390.60	285.07
.000502	18.	10.	10.	2	0	0	.00	29.42	314.49

*SECNO 11.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.73

11.000	2.85	1392.45	.00	.00	1392.48	.03	.01	.00	1394.40
93.0	.0	93.0	.0	.0	62.0	.0	.1	.1	1395.50
.02	.00	1.50	.00	.000	.020	.000	.000	1389.60	282.94
.000168	35.	35.	34.	3	0	0	.00	30.78	313.72

*SECNO 12.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .67

12.000	2.04	1392.44	.00	.00	1392.50	.06	.01	.01	1394.50
93.0	.0	93.0	.0	.0	48.1	.0	.1	.1	1395.40
.02	.00	1.93	.00	.000	.020	.000	.000	1390.40	283.26
.000379	30.	30.	29.	2	0	0	.00	30.42	313.68

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 13.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .31

13.000	.92	1392.32	.00	.00	1392.59	.27	.02	.06	1394.70
93.0	.0	93.0	.0	.0	22.3	.0	.2	.1	1395.40
.02	.00	4.17	.00	.000	.020	.000	.000	1391.40	286.22
.004073	28.	26.	27.	4	0	0	.00	26.61	312.83

*SECNO 14.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

14.000	1.03	1392.85	1392.85	.00	1393.25	.40	.13	.04	1395.13
93.0	.0	93.0	.0	.0	18.3	.0	.2	.2	1395.65
.02	.00	5.09	.00	.000	.020	.000	.000	1391.82	288.89
.006438	24.	26.	27.	20	8	0	.00	22.80	311.69

*SECNO 15.000

15.000	1.03	1393.05	.00	.00	1393.34	.29	.08	.01	1396.50
93.0	.0	93.0	.0	.0	21.4	.0	.2	.2	1395.70
.02	.00	4.34	.00	.000	.020	.000	.000	1392.02	290.08
.003827	12.	16.	18.	0	0	0	.00	22.13	312.21

*SECNO 16.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.70

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.58 MAX ELLC= 1394.06

16.000	1.07	1393.08	.00	.00	1393.37	.28	.02	.00	1395.58
93.0	.0	93.0	.0	.0	21.7	.0	.2	.2	1395.60
.02	.00	4.28	.00	.000	.012	.000	.000	1392.01	290.07
.001326	11.	11.	11.	2	0	0	.00	22.28	312.35

*SECNO 17.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.03 MAX ELLC= 1394.10

17.000	1.08	1393.09	.00	.00	1393.38	.29	.01	.00	1395.20
93.0	.0	93.0	.0	.0	21.6	.0	.2	.2	1396.50
.03	.00	4.31	.00	.000	.012	.000	.000	1392.01	290.07
.001315	14.	11.	11.	1	0	0	.00	20.96	311.02

*SECNO 18.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.10 MAX ELLC= 1394.16

18.000	.94	1393.06	.00	.00	1393.43	.37	.03	.02	1396.00
93.0	.0	93.0	.0	.0	19.0	.0	.2	.2	1395.15
.03	.00	4.88	.00	.000	.012	.000	.000	1392.12	290.08
.001970	28.	18.	24.	2	0	0	.00	20.95	311.03

*SECNO 19.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.40 MAX ELLC= 1394.22

19.000	.87	1393.07	1393.07	.00	1393.49	.42	.04	.02	1395.40
93.0	.0	93.0	.0	.0	17.8	.0	.2	.2	1395.60
.03	.00	5.22	.00	.000	.012	.000	.000	1392.20	290.07
.002441	20.	18.	21.	5	12	0	.00	20.95	311.03

*SECNO 20.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.45 MAX ELLC= 1394.33

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

20.000	.86	1393.15	1393.15	.00	1393.58	.43	.05	.00	1395.30
93.0	.0	93.0	.0	.0	17.7	.0	.2	.2	1395.50
.03	.00	5.24	.00	.000	.012	.000	.000	1392.29	290.07
.002478	20.	19.	20.	20	15	0	.00	20.96	311.03

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 21.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.24 MAX ELLC= 1394.38

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

21.000	.88	1393.21	1393.21	.00	1393.63	.42	.02	.00	1396.38
93.0	.0	93.0	.0	.0	17.8	.0	.2	.2	1395.96
.03	.00	5.23	.00	.000	.012	.000	.000	1392.33	290.08
.002453	8.	8.	11.	20	12	0	.00	20.94	311.02

*SECNO 22.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .60

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1396.23 MAX ELLC= 1394.51

22.000	.97	1393.37	.00	.00	1393.68	.31	.03	.01	1396.10
93.0	.0	93.0	.0	.0	20.7	.0	.2	.2	1395.24
.03	.00	4.50	.00	.000	.025	.000	.000	1392.40	288.70
.006825	7.	9.	10.	4	0	0	.00	22.33	311.03

*SECNO 23.000

23.000	1.02	1393.42	.00	.00	1393.75	.33	.06	.01	1396.00
93.0	.0	93.0	.0	.0	20.1	.0	.2	.2	1396.23
.03	.00	4.62	.00	.000	.025	.000	.000	1392.40	289.30
.007167	9.	9.	9.	2	0	0	.00	21.72	311.02

*SECNO 24.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

24.000	1.30	1393.90	1393.90	.00	1394.38	.48	.32	.04	1395.70
93.0	.0	93.0	.0	.0	16.7	.0	.2	.2	1395.90
.03	.00	5.56	.00	.000	.025	.000	.000	1392.60	289.07
.009753	41.	39.	32.	20	11	0	.00	17.66	306.73

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 25.000

25.000	1.58	1394.28	.00	.00	1394.84	.56	.44	.02	1396.50
93.0	.0	93.0	.0	.0	15.5	.0	.3	.2	1397.20
.03	.00	6.01	.00	.000	.025	.000	.000	1392.70	292.38
.007973	54.	50.	48.	3	0	0	.00	11.50	303.88

*SECNO 26.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.66

26.000	2.08	1394.78	.00	.00	1394.98	.20	.10	.04	1396.30
84.0	.0	84.0	.0	.0	23.2	.0	.3	.3	1397.50
.04	.00	3.62	.00	.000	.025	.000	.000	1392.70	294.45
.002350	25.	25.	26.	3	0	0	.00	14.75	309.20

*SECNO 27.000

27.000	1.99	1394.89	.00	.00	1395.15	.26	.15	.02	1397.40
84.0	.0	84.0	.0	.0	20.3	.0	.3	.3	1394.80
.04	.00	4.13	.02	.000	.025	.040	.000	1392.90	284.57
.003306	53.	55.	57.	2	0	0	.00	15.03	299.60

*SECNO 28.000

28.000	1.61	1395.01	.00	.00	1395.37	.36	.19	.03	1397.50
84.0	.0	84.0	.0	.0	17.5	.0	.3	.3	1397.50
.04	.00	4.79	.00	.000	.025	.000	.000	1393.40	300.41
.005617	48.	44.	40.	2	0	0	.00	14.97	315.39

*SECNO 29.000

29.000	1.52	1395.22	.00	.00	1395.67	.45	.28	.03	1398.60
84.0	.0	84.0	.0	.0	15.6	.0	.3	.3	1397.40
.04	.00	5.38	.00	.000	.025	.000	.000	1393.70	312.52
.006875	40.	45.	48.	2	0	0	.00	12.78	325.30

*SECNO 30.000

30.000	1.76	1395.56	.00	.00	1395.84	.28	.15	.02	1397.90
84.0	.0	84.0	.0	.0	19.7	.0	.4	.3	1398.00
.05	.00	4.27	.00	.000	.025	.000	.000	1393.80	315.52
.003774	30.	30.	30.	3	0	0	.00	14.71	330.23

TW WEIR IN CACTUS ROAD BETWEEN SECTION 2 AND 3 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1391.346	1391.572	2.000	3.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 3 AND 4 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1391.572	1391.567	3.000	4.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 4 AND 5 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1391.567	1391.671	4.000	5.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 5 AND 6 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1391.671	1391.746	5.000	6.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 6 AND 7 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1391.746	1391.871	6.000	7.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1391.871	1391.985	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1391.871	1391.985	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 8 AND 9 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1391.985	1392.287	8.000	9.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 9 AND 10 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.287	1392.404	9.000	10.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 10 AND 11 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.404	1392.450	10.000	11.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 11 AND 12 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.450	1392.441	11.000	12.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 12 AND 13 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.441	1392.315	12.000	13.000

TW WEIR IN 84TH STREET BETWEEN SECTION 13 AND 14 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.315	1392.850	13.000	14.000

5 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	3	0	0	.01	0	0.3	0	1352.5	0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2	0	-1							

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 2

CCHV= .100 CEHV= .300

*SECNO 1.000

3720 CRITICAL DEPTH ASSUMED

1.000	2.21	1391.91	1391.91	1352.50	1392.61	.70	.00	.00	1394.80
311.0	.0	311.0	.0	.0	46.4	.0	.0	.0	1393.90
.00	.00	6.70	.00	.000	.025	.000	.000	1389.70	9984.26
.008553	0.	0.	0.	0	22	0	.00	34.10	10018.36

*SECNO 2.000

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

2.000	1.72	1392.22	1392.22	.00	1392.97	.74	.16	.01	1394.00
311.0	.0	311.0	.0	.0	44.9	.0	.0	.0	1394.00
.00	.00	6.92	.00	.000	.025	.000	.000	1390.50	281.49
.008725	20.	18.	16.	20	15	0	.00	30.55	312.05

*SECNO 3.000

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1393.93 MAX ELLC= 1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

3.000	1.71	1392.47	1392.47	.00	1393.25	.78	.02	.01	1391.00
311.0	7.5	303.5	.0	2.7	42.4	.0	.0	.0	1394.00
.00	2.79	7.16	.00	.018	.012	.000	.000	1390.76	281.33
.001897	4.	6.	7.	20	9	0	.00	29.73	311.05

*SECNO 4.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1393.91 MAX ELLC= 1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

4.000	1.96	1392.61	1392.61	.00	1393.57	.96	.01	.05	1393.91
311.0	.0	311.0	.0	.0	39.5	.0	.0	.0	1393.99
.00	.00	7.87	.00	.000	.012	.000	.000	1390.65	290.04
.002160	5.	7.	10.	20	9	0	.00	21.02	311.06

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 5.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.00 MAX ELLC= 1392.88

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

5.000	1.96	1392.71	1392.71	.00	1393.67	.96	.05	.00	1394.00
311.0	.0	311.0	.0	.0	39.5	.0	.1	.0	1394.20
.00	.00	7.87	.00	.000	.012	.000	.000	1390.75	290.04
.002161	16.	22.	26.	20	6	0	.00	21.02	311.05

*SECNO 6.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1392.96

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

6.000	1.95	1392.78	1392.78	.00	1393.74	.96	.04	.00	1394.10
311.0	.0	311.0	.0	.0	39.6	.0	.1	.0	1394.40
.00	.00	7.86	.00	.000	.012	.000	.000	1390.83	290.04
.002147	16.	18.	18.	2	6	0	.00	21.01	311.05

*SECNO 7.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1393.07

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

7.000	1.94	1392.90	1392.90	.00	1393.87	.97	.06	.00	1394.40
311.0	.0	311.0	.0	.0	39.4	.0	.1	.1	1394.20
.00	.00	7.89	.00	.000	.012	.000	.000	1390.96	290.04
.002176	28.	27.	27.	20	9	0	.00	21.01	311.06

*SECNO 8.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.63 MAX ELLC= 1393.17

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

8.000	1.97	1393.07	1393.07	.00	1393.98	.92	.06	.01	1394.09
311.0	.0	311.0	.0	.0	40.5	.0	.1	.1	1395.74
.00	.00	7.68	.00	.000	.012	.000	.000	1391.10	290.03
.001999	28.	27.	27.	20	9	0	.00	21.01	311.04

*SECNO 9.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.74 MAX ELLC= 1393.13

9.000	2.78	1393.58	1392.84	.00	1394.05	.48	.02	.04	1394.60
311.0	.0	311.0	.0	.0	56.2	.0	.1	.1	1395.70
.00	.00	5.53	.00	.000	.020	.000	.000	1390.80	290.03
.003418	16.	9.	9.	11	9	0	-4.37	25.93	315.96

*SECNO 10.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.33

10.000	3.31	1393.91	.00	.00	1394.09	.19	.01	.03	1395.74
311.0	.0	311.0	.0	.0	89.8	.0	.1	.1	1395.70
.01	.00	3.46	.00	.000	.020	.000	.000	1390.60	285.04
.000627	18.	10.	10.	3	0	0	.00	31.50	316.54

*SECNO 11.000

11.000	4.41	1394.01	.00	.00	1394.12	.11	.02	.01	1394.40
311.0	.0	311.0	.0	.0	117.2	.0	.2	.1	1395.50
.01	.00	2.65	.00	.000	.020	.000	.000	1389.60	275.81
.000324	35.	35.	34.	3	0	0	.00	40.09	315.90

*SECNO 12.000

12.000	3.59	1393.99	.00	.00	1394.14	.14	.01	.01	1394.50
311.0	.0	311.0	.0	.0	102.7	.0	.3	.1	1395.40
.01	.00	3.03	.00	.000	.020	.000	.000	1390.40	276.30
.000497	30.	30.	29.	2	0	0	.00	40.16	316.46

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 13.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .60

13.000	2.51	1393.91	.00	.00	1394.20	.30	.02	.05	1394.70
311.0	.0	311.0	.0	.0	71.0	.0	.4	.2	1395.40
.01	.00	4.38	.00	.000	.020	.000	.000	1391.40	281.40
.001388	28.	26.	27.	3	0	0	.00	34.61	316.01

*SECNO 14.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

14.000	2.03	1393.85	1393.85	.00	1394.64	.79	.06	.15	1395.13
311.0	.0	311.0	.0	.0	43.6	.0	.4	.2	1395.65
.01	.00	7.13	.00	.000	.020	.000	.000	1391.82	285.87
.005282	24.	26.	27.	20	15	0	.00	28.06	313.94

*SECNO 15.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

15.000	1.90	1393.92	1393.92	.00	1394.79	.87	.09	.03	1396.50
311.0	.0	311.0	.0	.0	41.5	.0	.4	.2	1395.70
.02	.00	7.50	.00	.000	.020	.000	.000	1392.02	290.06
.005547	12.	16.	18.	6	11	0	.00	24.05	314.11

*SECNO 16.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.55

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.58 MAX ELLC= 1394.06

16.000	2.11	1394.12	.00	.00	1394.84	.73	.04	.01	1395.58
311.0	.0	311.0	.0	.0	45.5	.0	.4	.2	1395.60
.02	.00	6.84	.00	.000	.012	.000	.000	1392.01	290.04
.002308	11.	11.	11.	7	0	0	-.56	24.63	314.68

*SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 17.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.03 MAX ELLC= 1394.10

17.000	2.03	1394.04	.00	.00	1394.92	.88	.03	.05	1395.20
311.0	.0	311.0	.0	.0	41.3	.0	.4	.2	1396.50
.02	.00	7.53	.00	.000	.012	.000	.000	1392.01	290.04
.002990	14.	11.	11.	2	0	0	-.31	21.01	311.05

*SECNO 18.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.10 MAX ELLC= 1394.16

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

18.000	1.95	1394.07	1394.07	.00	1395.00	.93	.04	.01	1396.00
311.0	.0	311.0	.0	.0	40.2	.0	.4	.2	1395.15
.02	.00	7.73	.00	.000	.012	.000	.000	1392.12	290.05
.002039	28.	18.	24.	3	9	0	.00	21.01	311.06

*SECNO 19.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.40 MAX ELLC= 1394.22

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

19.000	1.96	1394.16	1394.16	.00	1395.06	.91	.04	.00	1395.40
311.0	.0	311.0	.0	.0	40.7	.0	.5	.2	1395.60
.02	.00	7.64	.00	.000	.012	.000	.000	1392.20	290.04
.001966	20.	18.	21.	5	9	0	.00	21.02	311.06

*SECNO 20.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.45 MAX ELLC= 1394.33

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

20.000	1.94	1394.23	1394.23	.00	1395.15	.92	.04	.00	1395.30
311.0	.0	311.0	.0	.0	40.5	.0	.5	.2	1395.50
.02	.00	7.69	.00	.000	.012	.000	.000	1392.29	290.04
.002004	20.	19.	20.	2	9	0	.00	21.02	311.06

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 21.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.24 MAX ELLC= 1394.38

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

21.000	1.95	1394.28	1394.28	.00	1395.21	.93	.02	.00	1396.38
311.0	.0	311.0	.0	.0	40.2	.0	.5	.2	1395.96
.02	.00	7.73	.00	.000	.012	.000	.000	1392.33	290.05
.002039	8.	8.	11.	2	9	0	.00	21.00	311.05

*SECNO 22.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

2 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .51

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1396.23 MAX ELLC= 1394.51

22.000	2.25	1394.65	.00	.00	1395.27	.62	.03	.03	1396.10
311.0	.0	310.7	.3	.0	49.1	.4	.5	.2	1395.24
.02	.00	6.32	.76	.000	.025	.040	.000	1392.40	286.97
.007762	7.	9.	10.	4	0	0	-1.36	26.98	375.02

*SECNO 23.000

23.000	2.32	1394.72	.00	.00	1395.33	.61	.05	.00	1396.00
311.0	.0	311.0	.0	.0	49.7	.0	.5	.2	1396.23
.02	.00	6.25	.00	.000	.025	.000	.000	1392.40	287.14
.004832	9.	9.	9.	2	0	0	.00	23.92	311.06

*SECNO 24.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

24.000	2.48	1395.08	1395.08	.00	1395.94	.85	.24	.07	1395.70
311.0	.0	311.0	.0	.0	42.0	.0	.5	.3	1395.90
.02	.00	7.40	.00	.000	.025	.000	.000	1392.60	286.85
.008162	41.	39.	32.	20	8	0	.00	25.07	311.92

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 25.000

3265 DIVIDED FLOW

3280 CROSS SECTION 25.00 EXTENDED .29 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

25.000	3.59	1396.29	1396.29	.00	1396.90	.61	.28	.02	1396.50
311.0	.1	279.0	31.9	.5	42.3	21.9	.6	.3	1397.20
.02	.26	6.59	1.46	.040	.025	.040	.000	1392.70	261.75
.004029	54.	50.	48.	20	15	0	.00	75.00	435.00

*SECNO 26.000

26.000	3.85	1396.55	.00	.00	1397.00	.45	.08	.02	1396.30
282.0	2.8	279.2	.0	4.6	51.8	.0	.6	.4	1397.50
.02	.60	5.39	.00	.040	.025	.000	.000	1392.70	268.09
.002416	25.	25.	26.	2	0	0	.00	42.74	310.83

*SECNO 27.000

27.000	3.88	1396.78	.00	.00	1397.13	.35	.12	.01	1397.40
282.0	.0	253.0	29.0	.0	51.0	17.8	.7	.4	1394.80
.03	.00	4.96	1.63	.000	.025	.040	.000	1392.90	280.60
.001962	53.	55.	57.	2	0	0	.00	36.19	316.80

*SECNO 28.000

28.000	3.39	1396.79	.00	.00	1397.28	.49	.11	.04	1397.50
282.0	.0	282.0	.0	.0	50.3	.0	.8	.4	1397.50
.03	.00	5.61	.00	.000	.025	.000	.000	1393.40	296.39
.003197	48.	44.	40.	2	0	0	.00	21.65	318.05

*SECNO 29.000

3301 HV CHANGED MORE THAN HVINS

29.000	3.03	1396.73	.00	.00	1397.58	.84	.19	.11	1398.60
282.0	.0	282.0	.0	.0	38.3	.0	.8	.4	1397.40
.03	.00	7.36	.00	.000	.025	.000	.000	1393.70	310.45
.006059	40.	45.	48.	3	0	0	.00	17.28	327.73

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 30.000

3301 HV CHANGED MORE THAN HVINS

30.000	3.43	1397.23	.00	.00	1397.74	.50	.13	.03	1397.90
282.0	.0	282.0	.0	.0	49.5	.0	.9	.5	1398.00
.03	.00	5.70	.00	.000	.025	.000	.000	1393.80	312.58
.003242	30.	30.	30.	3	0	0	.00	20.91	333.49

TW WEIR IN CACTUS ROAD BETWEEN SECTION 2 AND 3 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.221	1392.469	2.000	3.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 3 AND 4 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.469	1392.608	3.000	4.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 4 AND 5 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.608	1392.705	4.000	5.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 5 AND 6 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.705	1392.784	5.000	6.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 6 AND 7 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.784	1392.902	6.000	7.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.902	1393.067	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1392.902	1393.067	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 8 AND 9 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1393.067	1393.576	8.000	9.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 9 AND 10 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1393.576	1393.906	9.000	10.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 10 AND 11 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1393.906	1394.006	10.000	11.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 11 AND 12 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1394.006	1393.994	11.000	12.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 12 AND 13 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1393.994	1393.906	12.000	13.000

TW WEIR IN 84TH STREET BETWEEN SECTION 13 AND 14 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	2	1393.906	1393.848	13.000	14.000

10 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	4	0	0	.01	0	0.3	0	1353.0	0

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3	0	-1							

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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     L-BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA       R-BANK ELEV
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN     SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID    ENDST


*PROF 3

CCHV=     .100 CEHV=     .300
*SECNO 1.000
3720 CRITICAL DEPTH ASSUMED
    1.000      2.53   1392.22   1392.22   1353.00   1393.04       .81       .00       .00   1394.80
    415.5        .0     415.5        .0        .0      57.4        .0        .0        .0   1393.90
      .00       .00      7.23       .00      .000      .025      .000      .000   1389.70   9982.97
  .008123        0.        0.        0.         0        18         0       .00     36.13  10019.10


*SECNO 2.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    2.000      2.05   1392.55   1392.55       .00   1393.43       .88       .15       .02   1394.00
    415.5        .0     415.5        .0        .0      55.1        .0        .0        .0   1394.00
      .00       .00      7.54       .00      .000      .025      .000      .000   1390.50    280.45
  .008358       20.       18.       16.        20        15         0       .00     31.61    312.06


*SECNO 3.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF  1392.730 EGLC=  1393.734 EGC=  1393.735 WSEL=  1392.736

3370 NORMAL BRIDGE, NRD=   2 MIN ELTRD=  1393.93 MAX ELLC=  1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    3.000      1.97   1392.73   1392.73       .00   1393.73      1.00       .03       .04   1391.00
    415.5      14.8     400.7        .0       3.7      49.2        .0        .0        .0   1394.00
      .00      3.95      8.15       .00      .018      .012      .000      .000   1390.76    280.68
  .003067        4.        6.        7.        20        17         0       .00     30.39    311.06


*SECNO 4.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF  1392.730 EGLC=  1394.306 EGC=  1395.028 WSEL=  1394.476

3301 HV CHANGED MORE THAN HVINS
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1393.91 MAX ELLC= 1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4.000	2.03	1392.68	1392.68	.00	1394.30	1.62	.03	.18	1393.91
415.5	.0	415.5	.0	.0	40.7	.0	.0	.0	1393.99
.00	.00	10.21	.00	.000	.012	.000	.000	1390.65	290.04
.005578	5.	7.	10.	20	19	0	-.27	21.02	311.06

*SECNO 5.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1392.880 EGLC= 1394.413 EGC= 1395.113 WSEL= 1394.577

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.00 MAX ELLC= 1392.88

5.000	2.16	1392.91	1392.80	.00	1394.44	1.53	.14	.01	1394.00
415.5	.0	415.5	.0	.0	41.8	.0	.1	.0	1394.20
.00	.00	9.93	.00	.000	.012	.000	.000	1390.75	290.03
.007309	16.	22.	26.	14	19	0	-2.03	21.03	311.06

*SECNO 6.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1392.96

6.000	2.22	1393.05	1392.85	.00	1394.58	1.52	.13	.00	1394.10
415.5	.0	415.5	.0	.0	41.9	.0	.1	.0	1394.40
.00	.00	9.91	.00	.000	.012	.000	.000	1390.83	290.03
.007267	16.	18.	18.	4	20	0	-3.29	21.03	311.06

*SECNO 7.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1393.070 EGLC= 1394.606 EGC= 1395.188 WSEL= 1394.757

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1393.07

7.000	2.28	1393.24	1392.99	.00	1394.78	1.53	.20	.00	1394.40
415.5	.0	415.5	.0	.0	41.8	.0	.1	.1	1394.20
.00	.00	9.94	.00	.000	.012	.000	.000	1390.96	290.03
.007371	28.	27.	27.	4	19	0	-4.77	21.04	311.07

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 8.000

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.63 MAX ELLC= 1393.17

8.000	2.38	1393.48	1393.11	.00	1394.98	1.50	.20	.00	1394.09
415.5	.0	415.5	.0	.0	42.3	.0	.1	.1	1395.74
.00	.00	9.83	.00	.000	.012	.000	.000	1391.10	290.02
.007154	28.	27.	27.	4	18	0	-6.82	21.03	311.05

*SECNO 9.000
3280 CROSS SECTION 9.00 EXTENDED .93 FEET

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.43

) NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.74 MAX ELLC= 1393.13

9.000	4.14	1394.94	.00	.00	1395.13	.19	.02	.13	1394.60
415.7	103.8	311.9	.0	55.9	79.4	.0	.2	.1	1395.70
.00	1.86	3.93	.00	.018	.020	.000	.000	1390.80	182.00
.001216	16.	9.	9.	3	0	0	-17.84	135.90	317.90

*SECNO 10.000

3265 DIVIDED FLOW

3280 CROSS SECTION 10.00 EXTENDED .82 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.95

10.000	4.42	1395.02	.00	.00	1395.15	.12	.01	.01	1395.74
420.0	46.4	373.6	.0	48.0	125.9	.0	.2	.1	1395.70
.01	.97	2.97	.00	.018	.020	.000	.000	1390.60	179.00
.000327	18.	10.	10.	2	0	0	.00	126.64	318.07

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 11.000

3280 CROSS SECTION 11.00 EXTENDED .28 FEET

11.000	5.48	1395.08	.00	.00	1395.16	.08	.01	.00	1394.40
429.8	40.8	389.0	.0	53.7	162.5	.0	.4	.3	1395.50
.01	.76	2.39	.00	.018	.020	.000	.000	1389.60	173.00
.000191	35.	35.	34.	3	0	0	.00	144.41	317.41

*SECNO 12.000

3280 CROSS SECTION 12.00 EXTENDED .47 FEET

12.000	4.67	1395.07	.00	.00	1395.17	.10	.01	.01	1394.50
432.0	32.7	399.3	.0	41.8	148.9	.0	.5	.3	1395.40
.01	.78	2.68	.00	.018	.020	.000	.000	1390.40	174.00
.000272	30.	30.	29.	3	0	0	.00	144.40	318.40

*SECNO 13.000

5 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .63

13.000	3.60	1395.00	.00	.00	1395.22	.22	.01	.03	1394.70
432.0	8.6	423.4	.0	12.9	111.6	.0	.6	.4	1395.40
.02	.67	3.79	.00	.018	.020	.000	.000	1391.40	188.03
.000677	28.	26.	27.	3	0	0	.00	114.43	318.20

*SECNO 14.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .54

14.000	2.98	1394.80	.00	.00	1395.35	.55	.03	.10	1395.13
432.0	.0	432.0	.0	.0	72.6	.0	.6	.5	1395.65
.02	.00	5.95	.00	.000	.020	.000	.000	1391.82	283.01
.002340	24.	26.	27.	2	0	0	.00	33.07	316.08

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 15.000

15.000	2.64	1394.66	.00	.00	1395.47	.80	.05	.08	1396.50
432.0	.0	432.0	.0	.0	60.0	.0	.7	.5	1395.70
.02	.00	7.20	.00	.000	.020	.000	.000	1392.02	290.04
.003532	12.	16.	18.	3	0	0	.00	25.70	315.74

*SECNO 16.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1394.060 EGLC= 1395.513 EGC= 1395.513 WSEL= 1394.069

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1394.060 EGLC= 1395.513 EGC= 1395.517 WSEL= 1394.053

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.58 MAX ELLC= 1394.06

16.000	2.48	1394.49	1394.06	.00	1395.59	1.11	.04	.09	1395.58
432.0	.0	432.0	.0	.0	51.2	.0	.7	.5	1395.60
.02	.00	8.44	.00	.000	.012	.000	.000	1392.01	290.03
.003153	11.	11.	11.	4	25	0	-4.26	25.48	315.51

*SECNO 17.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1394.100 EGLC= 1395.750 EGC= 1396.343 WSEL= 1395.865

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .63

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.03 MAX ELLC= 1394.10

17.000	2.15	1394.16	1394.04	.00	1395.81	1.65	.05	.16	1395.20
432.0	.0	432.0	.0	.0	41.9	.0	.7	.5	1396.50
.02	.00	10.31	.00	.000	.012	.000	.000	1392.01	290.03
.007843	14.	11.	11.	4	21	0	-2.21	21.01	311.05

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 18.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1394.160 EGLC= 1395.826 EGC= 1396.531 WSEL= 1396.115

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.10 MAX ELLC= 1394.16

18.000	2.17	1394.29	1394.13	.00	1395.96	1.66	.14	.00	1396.00
432.0	.0	432.0	.0	.0	41.7	.0	.7	.5	1395.15
.02	.00	10.35	.00	.000	.012	.000	.000	1392.12	290.04
.007990	28.	18.	24.	4	13	0	-3.18	21.03	311.07

*SECNO 19.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1394.220 EGLC= 1395.861 EGC= 1396.560 WSEL= 1396.057

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1394.220 EGLC= 1395.861 EGC= 1395.866 WSEL= 1394.212

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.40 MAX ELLC= 1394.22

19.000	2.26	1394.46	1394.22	.00	1396.10	1.64	.14	.00	1395.40
432.0	.0	432.0	.0	.0	42.1	.0	.7	.5	1395.60
.02	.00	10.27	.00	.000	.012	.000	.000	1392.20	290.03
.007825	20.	18.	21.	4	19	0	-5.08	21.04	311.07

*SECNO 20.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1394.330 EGLC= 1395.966 EGC= 1396.760 WSEL= 1396.137

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.45 MAX ELLC= 1394.33

20.000	2.33	1394.62	1394.30	.00	1396.25	1.63	.15	.00	1395.30
432.0	.0	432.0	.0	.0	42.1	.0	.7	.5	1395.50
.02	.00	10.26	.00	.000	.012	.000	.000	1392.29	290.02
.007814	20.	19.	20.	4	19	0	-6.43	21.05	311.07

*SECNO 21.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1394.380 EGLC= 1396.038 EGC= 1396.757 WSEL= 1396.311

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.24 MAX ELLC= 1394.38

21.000	2.34	1394.67	1394.35	.00	1396.32	1.66	.06	.01	1396.38
432.0	.0	432.0	.0	.0	41.8	.0	.8	.5	1395.96
.02	.00	10.33	.00	.000	.012	.000	.000	1392.33	290.04
.007979	8.	8.	11.	0	13	0	-6.32	21.02	311.06

*SECNO 22.000

3280 CROSS SECTION 22.00 EXTENDED .35 FEET

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.54

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1396.23 MAX ELLC= 1394.51

22.000	3.75	1396.15	.00	.00	1396.50	.35	.04	.13	1396.10
432.0	.0	365.9	66.1	.1	71.9	43.8	.8	.5	1395.24
.02	.02	5.09	1.51	.040	.025	.040	.000	1392.40	282.69
.003368	7.	9.	10.	4	0	0	-16.36	112.31	395.00

*SECNO 23.000

3265 DIVIDED FLOW

3280 CROSS SECTION 23.00 EXTENDED .62 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.51

23.000	3.82	1396.22	.00	.00	1396.52	.30	.02	.00	1396.00
432.0	4.2	400.9	26.9	5.4	87.6	33.3	.8	.6	1396.23
.02	.77	4.58	.81	.040	.025	.040	.000	1392.40	272.00
.001468	9.	9.	9.	2	0	0	.00	127.02	400.00

*SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 24.000

3265 DIVIDED FLOW

3280 CROSS SECTION 24.00 EXTENDED .28 FEET

24.000	3.58	1396.18	1395.58	.00	1396.65	.47	.08	.05	1395.70
432.0	2.6	411.8	17.6	3.4	73.0	19.4	.9	.7	1395.90
.02	.77	5.64	.91	.040	.025	.040	.000	1392.60	271.85
.002865	41.	39.	32.	4	9	0	.00	110.39	420.00

*SECNO 25.000

3265 DIVIDED FLOW

3280 CROSS SECTION 25.00 EXTENDED .71 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
CRITICAL DEPTH ASSUMED

25.000	4.01	1396.71	1396.71	.00	1397.25	.54	.16	.02	1396.50
432.0	12.9	326.6	92.5	11.8	48.8	49.2	1.0	.8	1397.20
.03	1.10	6.70	1.88	.040	.025	.040	.000	1392.70	255.25
.003645	54.	50.	48.	20	8	0	.00	131.68	435.00

*SECNO 26.000

3301 HV CHANGED MORE THAN HVINS

26.000	3.90	1396.60	1396.01	.00	1397.44	.84	.10	.09	1396.30
397.0	5.8	391.2	.0	6.1	52.7	.0	1.1	.8	1397.50
.03	.96	7.42	.00	.040	.025	.000	.000	1392.70	266.97
.004479	25.	25.	26.	4	13	0	.00	43.91	310.88

*SECNO 27.000

1645 INT SEC ADDED BY RAISING SEC 27.00, -.100 FT AND MULTIPLYING BY 1.013

3280 CROSS SECTION 1.01 EXTENDED .37 FEET

*SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.46

1.010	4.38	1397.18	.00	.00	1397.57	.38	.08	.05	1397.30
380.5	.0	324.4	56.1	.0	61.1	27.6	1.1	.9	1394.70
.03	.00	5.31	2.03	.000	.025	.040	.000	1392.80	279.83
.001935	27.	28.	29.	3	0	0	.00	38.84	318.68

1645 INT SEC ADDED BY RAISING SEC 1.01, .100 FT AND MULTIPLYING BY .987

3280 CROSS SECTION 27.00 EXTENDED .32 FEET

27.000	4.32	1397.22	.00	.00	1397.63	.41	.06	.01	1397.40
380.5	.0	326.2	54.3	.0	59.2	26.1	1.2	.9	1394.80
.03	.00	5.51	2.08	.000	.025	.040	.000	1392.90	279.68
.002123	27.	28.	29.	2	0	0	.00	38.22	317.90

*SECNO 28.000

28.000	3.77	1397.17	.00	.00	1397.82	.65	.12	.07	1397.50
380.5	.0	380.5	.0	.0	58.8	.0	1.2	.9	1397.50
.03	.00	6.47	.00	.000	.025	.000	.000	1393.40	295.53
.003770	48.	44.	40.	3	0	0	.00	23.08	318.62

*SECNO 29.000

3301 HV CHANGED MORE THAN HVINS

29.000	3.34	1397.04	1397.02	.00	1398.21	1.17	.23	.16	1398.60
380.5	.0	380.5	.0	.0	43.9	.0	1.3	1.0	1397.40
.03	.00	8.67	.00	.000	.025	.000	.000	1393.70	310.02
.007582	40.	45.	48.	6	12	0	.00	18.21	328.23

*SECNO 30.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.58

30.000	4.04	1397.84	.00	.00	1398.41	.57	.14	.06	1397.90
380.5	.0	380.5	.0	.0	62.9	.0	1.3	1.0	1398.00
.03	.00	6.05	.00	.000	.025	.000	.000	1393.80	311.51
.003056	30.	30.	30.	4	0	0	.00	23.17	334.68

WEIR IN CACTUS ROAD BETWEEN SECTION 2 AND 3 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	13	1392.548	1392.730	2.000	3.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 3 AND 4 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	13	1392.730	1392.676	3.000	4.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 4 AND 5 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	13	1392.676	1392.912	4.000	5.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 5 AND 6 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	13	1392.912	1393.053	5.000	6.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 6 AND 7 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	13	1393.053	1393.243	6.000	7.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	13	1393.243	1393.476	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	13	1393.243	1393.476	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 8 AND 9 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.26	.26	.05	.26	.26	.05	13	1393.476	1394.938	8.000	9.000

WEIR IN CACTUS ROAD BETWEEN SECTION 9 AND 10 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
4.26	4.27	.06	4.53	4.53	.06	13	1394.938	1395.022	9.000	10.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 10 AND 11 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
9.82	9.83	.07	14.35	14.36	.07	13	1395.022	1395.076	10.000	11.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 11 AND 12 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
2.18	2.19	.10	16.53	16.54	.07	13	1395.076	1395.068	11.000	12.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 12 AND 13 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	1.09	16.54	16.55	.07	13	1395.068	1394.997	12.000	13.000

TW WEIR IN 84TH STREET BETWEEN SECTION 13 AND 14 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	16.54	16.55	.07	13	1394.997	1394.796	13.000	14.000

25 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	5	0	0	.01	0	0.3	0	1353.5	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	4	0	-1							

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 4

CCHV= .100 CEHV= .300

*SECNO 1.000

3720 CRITICAL DEPTH ASSUMED

1.000	2.66	1392.36	1392.36	1353.50	1393.22	.86	.00	.00	1394.80
463.9	.0	463.9	.0	.0	62.3	.0	.0	.0	1393.90
.00	.00	7.45	.00	.000	.025	.000	.000	1389.70	9982.42
.007983	0.	0.	0.	0	18	0	.00	36.99	10019.42

*SECNO 2.000

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

2.000	2.19	1392.69	1392.69	.00	1393.63	.94	.15	.02	1394.00
463.9	.0	463.9	.0	.0	59.6	.0	.0	.0	1394.00
.00	.00	7.79	.00	.000	.025	.000	.000	1390.50	279.99
.008213	20.	18.	16.	20	15	0	.00	32.07	312.06

*SECNO 3.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1392.730 EGLC= 1393.981 EGC= 1393.982 WSEL= 1392.738

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1393.93 MAX ELLC= 1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

3.000	1.97	1392.73	1392.73	.00	1393.98	1.25	.03	.09	1391.00
463.9	16.5	447.4	.0	3.7	49.2	.0	.0	.0	1394.00
.00	4.41	9.10	.00	.018	.012	.000	.000	1390.76	280.68
.003824	4.	6.	7.	20	16	0	.00	30.39	311.06

*SECNO 4.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1392.730 EGLC= 1394.695 EGC= 1395.138 WSEL= 1394.618

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1393.91 MAX ELLC= 1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4.000	2.05	1392.70	1392.70	.00	1394.70	1.99	.04	.22	1393.91
463.9	.0	463.9	.0	.0	41.0	.0	.0	.0	1393.99
.00	.00	11.33	.00	.000	.012	.000	.000	1390.65	290.04
.006900	5.	7.	10.	20	18	0	-.53	21.02	311.06

*SECNO 5.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1392.880 EGLC= 1394.791 EGC= 1395.220 WSEL= 1394.712

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.00 MAX ELLC= 1392.88

5.000	2.22	1392.97	1392.83	.00	1394.88	1.91	.17	.01	1394.00
464.0	.0	463.9	.0	.0	41.8	.0	.1	.0	1394.20
.00	.00	11.09	.00	.000	.012	.000	.000	1390.75	290.03
.009138	16.	22.	26.	12	20	0	-3.17	21.03	311.06

*SECNO 6.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1392.960 EGLC= 1394.861 EGC= 1395.287 WSEL= 1394.791

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1392.96

6.000	2.31	1393.14	1392.91	.00	1395.04	1.90	.16	.00	1394.10
464.0	.0	463.9	.0	.0	42.0	.0	.1	.0	1394.40
.00	.00	11.06	.00	.000	.012	.000	.000	1390.83	290.03
.009101	16.	18.	18.	4	19	0	-5.18	21.03	311.06

*SECNO 7.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1393.070 EGLC= 1394.985 EGC= 1395.279 WSEL= 1394.815

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1393.07

7.000	2.42	1393.38	1393.04	.00	1395.29	1.91	.25	.00	1394.40
464.0	.0	463.9	.0	.0	41.8	.0	.1	.1	1394.20
.00	.00	11.09	.00	.000	.012	.000	.000	1390.96	290.03
.009251	28.	27.	27.	4	17	0	-7.68	21.04	311.07

*SECNO 8.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1393.170 EGLC= 1395.044 EGC= 1395.052 WSEL= 1393.120

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.63 MAX ELLC= 1393.17

8.000	2.58	1393.68	1393.17	.00	1395.54	1.87	.25	.00	1394.09
464.0	.0	463.9	.0	.0	42.3	.0	.1	.1	1395.74
.00	.00	10.97	.00	.000	.012	.000	.000	1391.10	290.01
.009005	28.	27.	27.	4	19	0	-10.99	21.04	311.05

*SECNO 9.000

3280 CROSS SECTION 9.00 EXTENDED 1.67 FEET

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 4.96

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.74 MAX ELLC= 1393.13

9.000	4.87	1395.67	.00	.00	1395.74	.07	.01	.18	1394.60
468.8	248.0	220.7	.0	135.1	93.0	.0	.2	.1	1395.70
.00	1.84	2.37	.00	.018	.020	.000	.000	1390.80	182.00
.000374	16.	9.	9.	4	0	0	-25.11	136.95	318.95

*SECNO 10.000

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3280 CROSS SECTION 10.00 EXTENDED 1.47 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.48

10.000	5.07	1395.67	.00	.00	1395.74	.07	.00	.00	1395.74
495.2	135.7	359.5	.0	111.9	147.5	.0	.2	.1	1395.70
.01	1.21	2.44	.00	.018	.020	.000	.000	1390.60	179.00
.000189	18.	10.	10.	2	0	0	.00	138.71	318.96

*SECNO 11.000
3280 CROSS SECTION 11.00 EXTENDED .88 FEET

11.000	6.08	1395.68	.00	.00	1395.75	.07	.01	.00	1394.40
563.3	125.3	437.9	.1	114.4	188.8	.2	.5	.3	1395.50
.01	1.10	2.32	.29	.018	.020	.018	.000	1389.60	173.00
.000150	35.	35.	34.	3	0	0	.00	146.00	319.00

*SECNO 12.000
3280 CROSS SECTION 12.00 EXTENDED 1.07 FEET

12.000	5.26	1395.66	.00	.00	1395.76	.10	.01	.01	1394.50
605.8	128.5	477.3	.1	102.1	176.0	.2	.7	.4	1395.40
.01	1.26	2.71	.41	.018	.020	.018	.000	1390.40	174.00
.000227	30.	30.	29.	2	0	0	.00	146.00	320.00

*SECNO 13.000
3280 CROSS SECTION 13.00 EXTENDED .51 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .67

13.000	4.21	1395.61	.00	.00	1395.80	.19	.01	.03	1394.70
631.8	113.0	518.6	.3	73.9	135.8	.5	.8	.5	1395.40
.02	1.53	3.82	.55	.018	.020	.018	.000	1391.40	173.00
.000543	28.	26.	27.	3	0	0	.00	149.00	322.00

*SECNO 14.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .44

14.000	3.40	1395.22	1394.97	.00	1396.00	.78	.03	.18	1395.13
642.0	15.5	626.5	.0	10.5	87.2	.0	.9	.5	1395.65
.02	1.47	7.18	.00	.018	.020	.000	.000	1391.82	210.03
.002895	24.	26.	27.	8	17	0	.00	96.10	317.04

*SECNO 15.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

15.000	3.57	1395.59	1395.59	.00	1396.24	.65	.04	.01	1396.50
642.0	66.9	575.1	.0	28.5	84.8	.0	1.0	.6	1395.70
.02	2.35	6.78	.00	.018	.020	.000	.000	1392.02	207.40
.002274	12.	16.	18.	20	8	0	.00	97.20	317.76

*SECNO 16.000
3280 CROSS SECTION 16.00 EXTENDED .27 FEET

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.58 MAX ELLC= 1394.06

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

16.000	3.96	1395.97	1395.97	.00	1396.54	.58	.02	.01	1395.58
642.0	108.3	531.4	2.3	46.0	80.3	1.6	1.0	.6	1395.60
.02	2.35	6.62	1.48	.018	.012	.018	.000	1392.01	201.89
.001600	11.	11.	11.	20	10	0	-15.05	121.11	323.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 17.000

3265 DIVIDED FLOW

3280 CROSS SECTION 17.00 EXTENDED .45 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.03 MAX ELLC= 1394.10

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

17.000	4.14	1396.15	1396.15	.00	1396.72	.57	.03	.00	1395.20
642.0	233.1	405.6	3.3	54.3	58.5	1.9	1.0	.6	1396.50
.02	4.29	6.93	1.80	.018	.012	.018	.000	1392.01	212.00
.003792	14.	11.	11.	20	9	0	-27.41	107.41	326.00

*SECNO 18.000
3280 CROSS SECTION 18.00 EXTENDED .33 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.10 MAX ELLC= 1394.16

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

18.000	4.21	1396.33	1396.33	.00	1396.88	.54	.08	.00	1396.00
642.0	130.6	423.1	88.2	36.7	62.5	22.7	1.1	.7	1395.15
.02	3.56	6.77	3.89	.018	.012	.018	.000	1392.12	230.00
.003456	28.	18.	24.	20	9	0	-25.48	116.00	346.00

*SECNO 19.000
3280 CROSS SECTION 19.00 EXTENDED .69 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.40 MAX ELLC= 1394.22

19.000	4.21	1396.41	.00	.00	1396.94	.53	.06	.00	1395.40
642.0	116.3	404.4	121.4	30.7	61.3	25.9	1.1	.7	1395.60
.02	3.79	6.60	4.68	.018	.012	.018	.000	1392.20	247.00
.003339	20.	18.	21.	0	0	0	-26.96	90.50	337.50

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 20.000
3280 CROSS SECTION 20.00 EXTENDED .74 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.45 MAX ELLC= 1394.33

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

20.000	4.24	1396.53	1396.53	.00	1397.26	.73	.07	.06	1395.30
642.0	85.1	483.3	73.6	20.3	64.5	15.8	1.2	.8	1395.50
.02	4.19	7.50	4.67	.018	.012	.018	.000	1392.29	262.00
.004007	20.	19.	20.	13	9	0	-24.32	67.00	329.00

*SECNO 21.000
3280 CROSS SECTION 21.00 EXTENDED 1.39 FEET

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.81

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.24 MAX ELLC= 1394.38

21.000	4.76	1397.09	1396.58	.00	1397.33	.23	.02	.05	1396.38
642.0	35.0	314.3	292.8	15.0	71.7	85.9	1.2	.8	1395.96
.02	2.32	4.38	3.41	.018	.012	.018	.000	1392.33	270.00
.001222	8.	8.	11.	18	9	0	-27.74	107.00	377.00

*SECNO 22.000
3280 CROSS SECTION 22.00 EXTENDED 1.40 FEET

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1396.23 MAX ELLC= 1394.51

22.000	4.80	1397.20	.00	.00	1397.35	.15	.01	.01	1396.10
642.0	14.0	367.0	261.1	10.0	98.5	132.0	1.3	.8	1395.24
.02	1.40	3.73	1.98	.040	.025	.040	.000	1392.40	275.00
.001595	7.	9.	10.	2	0	0	-17.20	120.00	395.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 23.000

3280 CROSS SECTION 23.00 EXTENDED 1.57 FEET

23.000	4.77	1397.17	.00	.00	1397.37	.20	.01	.02	1396.00
642.0	22.2	465.0	154.8	17.8	112.5	118.2	1.3	.8	1396.23
.02	1.24	4.13	1.31	.040	.025	.040	.000	1392.40	272.00
.000857	9.	9.	9.	2	0	0	.00	128.00	400.00

*SECNO 24.000

3280 CROSS SECTION 24.00 EXTENDED 1.30 FEET

24.000	4.60	1397.20	.00	.00	1397.41	.21	.04	.00	1395.70
642.0	37.9	444.5	159.6	34.9	103.4	119.9	1.5	1.0	1395.90
.03	1.09	4.30	1.33	.040	.025	.040	.000	1392.60	234.12
.001047	41.	39.	32.	2	0	0	.00	185.88	420.00

*SECNO 25.000

DIVIDED FLOW

3280 CROSS SECTION 25.00 EXTENDED 1.20 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

25.000	4.50	1397.20	1397.20	.00	1397.64	.44	.08	.07	1396.50
642.0	52.6	380.6	208.7	30.4	56.5	97.8	1.8	1.2	1397.20
.03	1.73	6.74	2.13	.040	.025	.040	.000	1392.70	247.73
.003169	54.	50.	48.	20	6	0	.00	186.41	435.00

*SECNO 26.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

26.000	4.55	1397.25	1397.25	.00	1398.23	.98	.09	.16	1396.30
593.0	57.9	535.1	.0	27.5	64.2	.0	1.8	1.2	1397.50
.03	2.11	8.33	.00	.040	.025	.000	.000	1392.70	253.99
.004597	25.	25.	26.	20	5	0	.00	57.49	311.47

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 27.000

1645 INT SEC ADDED BY RAISING SEC 27.00, -.100 FT AND MULTIPLYING BY 1.004

3280 CROSS SECTION 1.01 EXTENDED 1.35 FEET

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.69

1.010	5.35	1398.15	.00	.00	1398.36	.21	.05	.08	1397.30
414.9	11.5	321.3	82.1	14.3	79.6	46.0	1.9	1.3	1394.70
.03	.81	4.04	1.78	.040	.025	.040	.000	1392.80	259.00
.000792	27.	28.	29.	3	0	0	.00	59.14	318.14

1645 INT SEC ADDED BY RAISING SEC 1.01, .100 FT AND MULTIPLYING BY .996

3280 CROSS SECTION 27.00 EXTENDED 1.26 FEET

27.000	5.26	1398.16	.00	.00	1398.39	.22	.02	.00	1397.40
414.9	9.7	324.2	81.0	12.5	77.6	44.2	2.0	1.3	1394.80
.04	.78	4.18	1.83	.040	.025	.040	.000	1392.90	259.00
.000873	27.	28.	29.	2	0	0	.00	58.90	317.90

*SECNO 28.000
3280 CROSS SECTION 28.00 EXTENDED .40 FEET

28.000	4.70	1398.10	.00	.00	1398.49	.39	.05	.05	1397.50
414.9	3.7	408.6	2.7	5.5	81.1	3.0	2.1	1.4	1397.50
.04	.67	5.04	.90	.040	.025	.040	.000	1393.40	276.43
.001604	48.	44.	40.	3	0	0	.00	48.67	325.10

*SECNO 29.000
3280 CROSS SECTION 29.00 EXTENDED .20 FEET

29.000	4.30	1398.00	.00	.00	1398.67	.66	.10	.08	1398.60
414.9	.0	409.8	5.1	.0	62.4	4.5	2.2	1.4	1397.40
.04	.00	6.57	1.13	.000	.025	.040	.000	1393.70	308.71
.003145	40.	45.	48.	3	0	0	.00	31.29	340.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 30.000
3280 CROSS SECTION 30.00 EXTENDED .29 FEET

30.000	4.48	1398.28	.00	.00	1398.76	.48	.08	.02	1397.90
414.9	1.2	410.5	3.2	2.0	73.5	4.3	2.2	1.4	1398.00
.04	.58	5.59	.74	.040	.025	.040	.000	1393.80	300.85
.002173	30.	30.	30.	2	0	0	.00	49.35	350.20

WEIR IN CACTUS ROAD BETWEEN SECTION 2 AND 3 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	21	1392.690	1392.730	2.000	3.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 3 AND 4 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	21	1392.730	1392.702	3.000	4.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 4 AND 5 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	200.00	21	1392.702	1392.967	4.000	5.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 5 AND 6 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	200.00	21	1392.967	1393.143	5.000	6.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 6 AND 7 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	200.00	21	1393.143	1393.383	6.000	7.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	200.00	21	1393.383	1393.676	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	200.00	21	1393.383	1393.676	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 8 AND 9 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
4.81	4.45	7.79	4.81	4.45	7.80	21	1393.676	1395.667	8.000	9.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 9 AND 10 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
26.40	25.00	5.43	31.20	29.45	5.79	21	1395.667	1395.667	9.000	10.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 10 AND 11 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
68.15	63.81	6.58	99.35	93.25	6.34	21	1395.667	1395.677	10.000	11.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 11 AND 12 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
42.51	38.80	9.12	141.86	132.05	7.16	21	1395.677	1395.665	11.000	12.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 12 AND 13 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
25.98	22.75	13.27	167.84	154.80	8.09	21	1395.665	1395.606	12.000	13.000

TW WEIR IN 84TH STREET BETWEEN SECTION 13 AND 14 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
10.21	6.42	45.59	178.05	161.22	9.92	21	1395.606	1395.220	13.000	14.000

50 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	6	0	0	.01	0	0.3	0	1354.0	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	5	0	-1							

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 SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     L-BANK ELEV
 Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA       R-BANK ELEV
 TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN     SSTA
 SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID    ENDST


*PROF 5

CCHV=     .100 CEHV=     .300
*SECNO 1.000
3720 CRITICAL DEPTH ASSUMED
    1.000      2.76   1392.46   1392.46   1354.00   1393.36       .90       .00       .00   1394.80
    502.8        .0     502.8        .0        .0      66.2        .0        .0        .0   1393.90
      .00       .00      7.60       .00      .000      .025      .000      .000   1389.70   9981.99
  .007866        0.        0.        0.         0        14         0       .00     37.67  10019.66


*SECNO 2.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    2.000      2.30   1392.80   1392.80       .00   1393.78       .98       .14       .02   1394.00
    502.8        .0     502.8        .0        .0      63.3        .0        .0        .0   1394.00
      .00       .00      7.94       .00      .000      .025      .000      .000   1390.50    279.62
  .008039       20.       18.       16.        20        11         0       .00     32.44    312.06


*SECNO 3.000

3301 HV CHANGED MORE THAN HVINS


3370 NORMAL BRIDGE, NRD=   2 MIN ELTRD=  1393.93 MAX ELLC=  1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    3.000      2.04   1392.80   1392.80       .00   1394.20      1.40       .03       .13   1391.00
    502.8      19.1     483.7        .0       4.0      50.2        .0        .0        .0   1394.00
      .00      4.72      9.63       .00      .018      .012      .000      .000   1390.76    280.51
  .004170        4.        6.        7.        20         9         0      -.67     30.55    311.06


*SECNO 4.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF  1392.730 EGLC=  1395.038 EGC=  1395.224 WSEL=  1394.685

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF  1392.730 EGLC=  1395.038 EGC=  1395.043 WSEL=  1392.702
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1393.91 MAX ELLC= 1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4.000	2.08	1392.73	1392.73	.00	1395.04	2.31	.04	.27	1393.91
502.8	.0	502.8	.0	.0	41.2	.0	.0	.0	1393.99
.00	.00	12.19	.00	.000	.012	.000	.000	1390.65	290.04
.011160	5.	7.	10.	20	19	0	-.83	21.02	311.06

*SECNO 5.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1392.880 EGLC= 1395.125 EGC= 1395.304 WSEL= 1394.777

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1392.880 EGLC= 1395.125 EGC= 1395.128 WSEL= 1392.851

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.00 MAX ELLC= 1392.88

5.000	2.29	1393.04	1392.88	.00	1395.29	2.24	.24	.01	1394.00
502.8	.0	502.8	.0	.0	41.8	.0	.1	.0	1394.20
.00	.00	12.02	.00	.000	.012	.000	.000	1390.75	290.03
.010772	16.	22.	26.	6	19	0	-4.78	21.04	311.07

*SECNO 6.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1392.960 EGLC= 1395.193 EGC= 1395.364 WSEL= 1394.824

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 1392.960 EGLC= 1395.193 EGC= 1395.196 WSEL= 1392.931

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1392.96

6.000	2.42	1393.25	1392.96	.00	1395.48	2.23	.19	.00	1394.10
502.8	.0	502.8	.0	.0	42.0	.0	.1	.0	1394.40
.00	.00	11.98	.00	.000	.012	.000	.000	1390.83	290.03
.010743	16.	18.	18.	4	18	0	-7.45	21.04	311.07

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 7.000
3280 CROSS SECTION 7.00 EXTENDED .62 FEET

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 4.31

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1393.07

7.000	4.67	1395.63	1394.87	.00	1395.73	.11	.04	.21	1394.40
508.7	213.6	221.2	73.9	91.3	71.7	36.1	.2	.1	1394.20
.00	2.34	3.09	2.05	.018	.012	.018	.000	1390.96	216.41
.000593	28.	27.	27.	6	10	0	-25.01	131.59	348.00

*SECNO 8.000
3280 CROSS SECTION 8.00 EXTENDED 1.12 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.63 MAX ELLC= 1393.17

8.000	4.52	1395.62	.00	.00	1395.76	.14	.02	.01	1394.09
564.1	349.3	214.8	.0	127.6	62.3	.0	.3	.2	1395.74
.01	2.74	3.45	.00	.018	.012	.000	.000	1391.10	180.00
.000909	28.	27.	27.	2	0	0	-32.05	131.10	311.10

*SECNO 9.000
3280 CROSS SECTION 9.00 EXTENDED 1.67 FEET

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.74 MAX ELLC= 1393.13

9.000	4.87	1395.67	.00	.00	1395.78	.11	.01	.00	1394.60
585.5	310.2	275.3	.0	135.4	93.0	.0	.3	.2	1395.70
.01	2.29	2.96	.00	.018	.020	.000	.000	1390.80	182.00
.000581	16.	9.	9.	2	0	0	-25.13	136.96	318.96

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 10.000

3265 DIVIDED FLOW

3280 CROSS SECTION 10.00 EXTENDED 1.48 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.49

10.000	5.07	1395.67	.00	.00	1395.78	.11	.01	.00	1395.74
610.8	168.3	442.4	.0	112.7	147.7	.0	.4	.3	1395.70
.01	1.49	3.00	.00	.018	.020	.000	.000	1390.60	179.00
.000286	18.	10.	10.	2	0	0	.00	138.85	318.97

*SECNO 11.000
3280 CROSS SECTION 11.00 EXTENDED .90 FEET

11.000	6.10	1395.70	.00	.00	1395.79	.10	.01	.00	1394.40
676.1	152.7	523.4	.1	116.2	189.6	.2	.7	.4	1395.50
.01	1.31	2.76	.36	.018	.020	.018	.000	1389.60	173.00
.000211	35.	35.	34.	3	0	0	.00	146.00	319.00

*SECNO 12.000
3280 CROSS SECTION 12.00 EXTENDED 1.09 FEET

12.000	5.28	1395.68	.00	.00	1395.81	.13	.01	.01	1394.50
716.6	154.7	561.7	.1	104.1	176.9	.2	.9	.5	1395.40
.02	1.49	3.18	.50	.018	.020	.018	.000	1390.40	174.00
.000310	30.	30.	29.	2	0	0	.00	146.00	320.00

*SECNO 13.000
3280 CROSS SECTION 13.00 EXTENDED .50 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .66

13.000	4.20	1395.60	.00	.00	1395.86	.27	.01	.04	1394.70
739.8	131.2	608.3	.3	73.3	135.6	.5	1.0	.6	1395.40
.02	1.79	4.49	.63	.018	.020	.018	.000	1391.40	173.00
.000751	28.	26.	27.	3	0	0	.00	149.00	322.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 14.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

14.000	3.78	1395.60	1395.60	.00	1396.20	.60	.03	.10	1395.13
755.0	92.4	662.6	.0	39.0	100.4	.0	1.1	.7	1395.65
.02	2.37	6.60	.00	.018	.020	.000	.000	1391.82	192.55
.002096	24.	26.	27.	20	12	0	.00	125.32	317.88

*SECNO 15.000

3265 DIVIDED FLOW

3280 CROSS SECTION 15.00 EXTENDED .13 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

15.000	3.81	1395.83	1395.83	.00	1396.44	.62	.03	.00	1396.50
755.0	131.7	622.7	.6	46.8	91.3	.6	1.2	.7	1395.70
.02	2.82	6.82	.94	.018	.020	.018	.000	1392.02	194.20
.002123	12.	16.	18.	20	5	0	.00	119.04	323.00

*SECNO 16.000
3280 CROSS SECTION 16.00 EXTENDED .46 FEET

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.58 MAX ELLC= 1394.06

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

16.000	4.15	1396.16	1396.16	.00	1396.73	.57	.02	.01	1395.58
755.0	172.2	577.8	5.0	63.8	85.8	2.6	1.2	.7	1395.60
.02	2.70	6.73	1.94	.018	.012	.018	.000	1392.01	200.00
.001514	11.	11.	11.	20	11	0	-15.05	123.00	323.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 17.000

3265 DIVIDED FLOW

3280 CROSS SECTION 17.00 EXTENDED .59 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.03 MAX ELLC= 1394.10

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

17.000	4.28	1396.29	1396.29	.00	1396.89	.60	.03	.01	1395.20
755.0	312.1	435.9	7.0	65.3	61.2	3.2	1.2	.8	1396.50
.02	4.78	7.12	2.18	.018	.012	.018	.000	1392.01	212.00
.003853	14.	11.	11.	20	9	0	-27.68	110.03	326.00

*SECNO 18.000
3280 CROSS SECTION 18.00 EXTENDED .49 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.10 MAX ELLC= 1394.16

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

18.000	4.37	1396.49	1396.49	.00	1397.03	.54	.08	.01	1396.00
755.0	183.9	451.4	119.7	45.8	65.7	28.0	1.3	.8	1395.15
.02	4.01	6.88	4.28	.018	.012	.018	.000	1392.12	230.00
.003331	28.	18.	24.	20	9	0	-25.48	116.00	346.00

*SECNO 19.000
3280 CROSS SECTION 19.00 EXTENDED .77 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.40 MAX ELLC= 1394.22

19.000	4.28	1396.48	.00	.00	1397.13	.64	.07	.03	1395.40
755.0	148.6	457.7	148.6	33.9	62.9	27.9	1.4	.9	1395.60
.02	4.38	7.28	5.33	.018	.012	.018	.000	1392.20	247.00
.003933	20.	18.	21.	2	0	0	-26.96	90.50	337.50

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 20.000
3280 CROSS SECTION 20.00 EXTENDED .89 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.45 MAX ELLC= 1394.33

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

20.000	4.39	1396.68	1396.68	.00	1397.49	.81	.08	.05	1395.30
755.0	120.3	536.3	98.4	24.7	67.8	18.6	1.4	.9	1395.50
.02	4.86	7.91	5.29	.018	.012	.018	.000	1392.29	262.00
.004171	20.	19.	20.	20	9	0	-24.32	67.00	329.00

*SECNO 21.000
3280 CROSS SECTION 21.00 EXTENDED 1.63 FEET

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.94

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.24 MAX ELLC= 1394.38

21.000	4.99	1397.32	.00	.00	1397.56	.24	.02	.06	1396.38
755.0	52.2	335.5	367.3	19.7	76.7	101.4	1.4	.9	1395.96
.03	2.64	4.37	3.62	.018	.012	.018	.000	1392.33	270.00
.001113	8.	8.	11.	5	0	0	-27.74	107.00	377.00

*SECNO 22.000
3280 CROSS SECTION 22.00 EXTENDED 1.62 FEET

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1396.23 MAX ELLC= 1394.51

22.000	5.02	1397.42	.00	.00	1397.58	.16	.01	.01	1396.10
755.0	19.5	407.7	327.8	12.2	104.3	150.9	1.5	.9	1395.24
.03	1.59	3.91	2.17	.040	.025	.040	.000	1392.40	275.00
.001624	7.	9.	10.	2	0	0	-17.20	120.00	395.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 23.000
3280 CROSS SECTION 23.00 EXTENDED 1.79 FEET

23.000	4.99	1397.39	.00	.00	1397.61	.22	.01	.02	1396.00
755.0	29.0	520.7	205.3	20.7	118.2	137.8	1.5	1.0	1396.23
.03	1.40	4.40	1.49	.040	.025	.040	.000	1392.40	272.00
.000910	9.	9.	9.	2	0	0	.00	128.00	400.00

*SECNO 24.000
3280 CROSS SECTION 24.00 EXTENDED 1.55 FEET

24.000	4.85	1397.45	.00	.00	1397.65	.20	.04	.00	1395.70
755.0	57.4	484.9	212.7	48.3	110.6	145.5	1.8	1.1	1395.90
.03	1.19	4.38	1.46	.040	.025	.040	.000	1392.60	230.00
.000993	41.	39.	32.	2	0	0	.00	190.00	420.00

*SECNO 25.000
3280 CROSS SECTION 25.00 EXTENDED 1.38 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .57

25.000	4.67	1397.37	.00	.00	1397.80	.43	.08	.07	1396.50
755.0	73.4	408.1	273.4	38.3	59.4	121.0	2.1	1.3	1397.20
.03	1.92	6.87	2.26	.040	.025	.040	.000	1392.70	244.93
.003084	54.	50.	48.	2	0	0	.00	190.07	435.00

*SECNO 26.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

26.000	4.84	1397.54	1397.54	.00	1398.52	.98	.09	.16	1396.30
687.0	96.3	590.7	.0	39.8	69.5	.0	2.2	1.4	1397.50
.03	2.42	8.50	.02	.040	.025	.040	.000	1392.70	248.17
.004399	25.	25.	26.	20	8	0	.00	65.73	313.90

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 27.000

1645 INT SEC ADDED BY RAISING SEC 27.00, -.100 FT AND MULTIPLYING BY 1.001

3280 CROSS SECTION 1.01 EXTENDED 1.66 FEET

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.66

1.010	5.66	1398.46	.00	.00	1398.64	.18	.05	.08	1397.30
434.8	19.0	326.3	89.5	20.6	85.4	51.9	2.3	1.4	1394.70
.04	.92	3.82	1.73	.040	.025	.040	.000	1392.80	259.00
.000642	27.	28.	29.	3	0	0	.00	58.95	317.95

1645 INT SEC ADDED BY RAISING SEC 1.01, .100 FT AND MULTIPLYING BY .999

3280 CROSS SECTION 27.00 EXTENDED 1.57 FEET

27.000	5.57	1398.47	.00	.00	1398.67	.19	.02	.00	1397.40
434.8	17.1	329.1	88.6	18.8	83.7	50.1	2.4	1.5	1394.80
.04	.91	3.93	1.77	.040	.025	.040	.000	1392.90	259.00
.000700	27.	28.	29.	2	0	0	.00	58.90	317.90

*SECNO 28.000
3280 CROSS SECTION 28.00 EXTENDED .72 FEET

28.000	5.02	1398.42	.00	.00	1398.75	.33	.04	.04	1397.50
434.8	10.8	418.8	5.2	12.2	88.8	4.9	2.5	1.5	1397.50
.04	.89	4.72	1.06	.040	.025	.040	.000	1393.40	273.30
.001244	48.	44.	40.	3	0	0	.00	51.80	325.10

*SECNO 29.000
3280 CROSS SECTION 29.00 EXTENDED .53 FEET

29.000	4.63	1398.33	.00	.00	1398.90	.57	.08	.07	1398.60
434.8	.0	422.9	11.9	.0	69.0	8.2	2.6	1.6	1397.40
.04	.00	6.12	1.45	.000	.025	.040	.000	1393.70	308.26
.002463	40.	45.	48.	2	0	0	.00	31.74	340.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 30.000
3280 CROSS SECTION 30.00 EXTENDED .55 FEET

30.000	4.75	1398.55	.00	.00	1398.97	.42	.06	.01	1397.90
434.8	4.4	421.8	8.5	5.8	79.8	8.4	2.6	1.6	1398.00
.04	.77	5.29	1.02	.040	.025	.040	.000	1393.80	295.00
.001747	30.	30.	30.	2	0	0	.00	55.20	350.20

TW WEIR IN CACTUS ROAD BETWEEN SECTION 2 AND 3 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	20	1392.805	1392.797	2.000	3.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 3 AND 4 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	20	1392.797	1392.730	3.000	4.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 4 AND 5 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	20	1392.730	1393.044	4.000	5.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 5 AND 6 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	20	1393.044	1393.252	5.000	6.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 6 AND 7 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
5.86	5.83	.50	5.86	5.83	.50	20	1393.252	1395.625	6.000	7.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
7.64	7.63	.03	13.50	13.47	.23	20	1395.625	1395.623	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
47.77	47.70	.15	61.27	61.17	.17	20	1395.625	1395.623	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 8 AND 9 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
21.42	21.37	.23	82.70	82.54	.19	20	1395.623	1395.671	8.000	9.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 9 AND 10 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
25.26	25.19	.29	107.96	107.73	.21	20	1395.671	1395.673	9.000	10.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 10 AND 11 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
65.38	65.16	.33	173.34	172.90	.25	20	1395.673	1395.696	10.000	11.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 11 AND 12 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
40.42	40.26	.40	213.76	213.16	.28	20	1395.696	1395.681	11.000	12.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 12 AND 13 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
23.21	23.07	.58	236.96	236.23	.31	20	1395.681	1395.598	12.000	13.000

TW WEIR IN 84TH STREET BETWEEN SECTION 13 AND 14 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
15.24	15.13	.69	252.20	251.36	.33	20	1395.598	1395.595	13.000	14.000

T 100 YR STORM

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	7	0	0	.01	0	0.3	0	1354.5	0

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	6	0	-1							

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 6

CCHV= .100 CEHV= .300

*SECNO 1.000

3720 CRITICAL DEPTH ASSUMED

1.000	2.82	1392.52	1392.52	1354.50	1393.44	.92	.00	.00	1394.80
525.6	.0	525.6	.0	.0	68.4	.0	.0	.0	1393.90
.00	.00	7.69	.00	.000	.025	.000	.000	1389.70	9981.75
.007803	0.	0.	0.	0	14	0	.00	38.05	10019.80

*SECNO 2.000

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

2.000	2.36	1392.86	1392.86	.00	1393.87	1.01	.14	.03	1394.00
525.6	.0	525.6	.0	.0	65.1	.0	.0	.0	1394.00
.00	.00	8.08	.00	.000	.025	.000	.000	1390.50	279.45
.008083	20.	18.	16.	20	11	0	.00	32.62	312.07

*SECNO 3.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1393.93 MAX ELLC= 1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL

3693 PROBABLE MINIMUM SPECIFIC ENERGY

3720 CRITICAL DEPTH ASSUMED

3.000	2.15	1392.91	1392.91	.00	1394.32	1.41	.03	.12	1391.00
525.6	22.0	503.6	.0	4.5	52.0	.0	.0	.0	1394.00
.00	4.84	9.69	.00	.018	.012	.000	.000	1390.76	280.23
.004045	4.	6.	7.	20	12	0	-1.76	30.83	311.07

*SECNO 4.000

3280 CROSS SECTION 4.00 EXTENDED .72 FEET

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1393.91 MAX ELLC= 1392.73

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4.000	4.07	1394.72	1394.72	.00	1395.28	.56	.03	.09	1393.91
528.5	88.7	379.7	60.0	22.1	57.6	15.2	.0	.0	1393.99
.00	4.02	6.60	3.94	.018	.012	.018	.000	1390.65	258.21
.003628	5.	7.	10.	20	11	0	-26.55	73.79	332.00

*SECNO 5.000
3280 CROSS SECTION 5.00 EXTENDED .70 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.00 MAX ELLC= 1392.88

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

5.000	4.15	1394.90	1394.90	.00	1395.44	.54	.08	.00	1394.00
567.3	114.2	384.7	68.4	25.7	58.9	18.2	.1	.1	1394.20
.00	4.45	6.53	3.76	.018	.012	.018	.000	1390.75	259.48
.003447	16.	22.	26.	5	7	0	-26.85	77.52	337.00

*SECNO 6.000
3280 CROSS SECTION 6.00 EXTENDED .65 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1392.96

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

6.000	4.22	1395.05	1395.05	.00	1395.54	.49	.06	.00	1394.10
606.4	160.3	375.9	70.3	37.2	58.9	20.0	.1	.1	1394.40
.00	4.31	6.38	3.51	.018	.012	.018	.000	1390.83	245.59
.003300	16.	18.	18.	20	7	0	-28.37	96.41	342.00

*SECNO 7.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3280 CROSS SECTION 7.00 EXTENDED .32 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.43

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.15 MAX ELLC= 1393.07

7.000	4.37	1395.33	.00	.00	1395.62	.30	.07	.02	1394.40
651.6	242.9	334.7	74.0	69.3	65.3	25.0	.2	.2	1394.20
.00	3.50	5.12	2.96	.018	.012	.018	.000	1390.96	218.33
.001851	28.	27.	27.	3	0	0	-25.01	129.67	348.00

*SECNO 8.000
3280 CROSS SECTION 8.00 EXTENDED .85 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1394.63 MAX ELLC= 1393.17

8.000	4.26	1395.36	.00	.00	1395.69	.33	.06	.01	1394.09
684.2	377.1	307.1	.0	97.9	56.6	.0	.3	.3	1395.74
.01	3.85	5.43	.00	.018	.012	.000	.000	1391.10	180.00
.002542	28.	27.	27.	2	0	0	-32.05	131.09	311.09

*SECNO 9.000
3280 CROSS SECTION 9.00 EXTENDED 1.55 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.61

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.74 MAX ELLC= 1393.13

9.000	4.75	1395.55	.00	.00	1395.73	.18	.02	.02	1394.60
699.8	348.3	351.6	.0	122.4	90.7	.0	.4	.3	1395.70
.01	2.84	3.87	.00	.018	.020	.000	.000	1390.80	182.00
.001023	16.	9.	9.	4	0	0	-23.94	136.78	318.78

*SECNO 10.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3265 DIVIDED FLOW

3280 CROSS SECTION 10.00 EXTENDED 1.36 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.54

10.000	4.96	1395.56	.00	.00	1395.74	.18	.01	.00	1395.74
720.7	180.1	540.6	.0	101.0	143.9	.0	.5	.3	1395.70
.01	1.78	3.76	.00	.018	.020	.000	.000	1390.60	179.00
.000460	18.	10.	10.	2	0	0	.00	136.75	318.81

*SECNO 11.000
3280 CROSS SECTION 11.00 EXTENDED .81 FEET

11.000	6.01	1395.61	.00	.00	1395.75	.14	.01	.00	1394.40
775.3	162.8	612.5	.0	107.6	185.9	.1	.7	.5	1395.50
.01	1.51	3.30	.31	.018	.020	.018	.000	1389.60	173.00
.000309	35.	35.	34.	3	0	0	.00	146.00	319.00

*SECNO 12.000
3280 CROSS SECTION 12.00 EXTENDED .99 FEET

12.000	5.19	1395.59	.00	.00	1395.78	.19	.01	.01	1394.50
808.5	158.7	649.7	.1	94.4	172.5	.1	.9	.6	1395.40
.01	1.68	3.77	.45	.018	.020	.018	.000	1390.40	174.00
.000451	30.	30.	29.	3	0	0	.00	146.00	320.00

*SECNO 13.000
3280 CROSS SECTION 13.00 EXTENDED .35 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .62

13.000	4.05	1395.45	.00	.00	1395.87	.41	.02	.07	1394.70
824.3	111.2	713.0	.0	57.4	129.6	.0	1.0	.7	1395.40
.02	1.94	5.50	.03	.018	.020	.018	.000	1391.40	173.00
.001201	28.	26.	27.	4	0	0	.00	147.55	320.55

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 14.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

14.000	3.91	1395.73	1395.73	.00	1396.33	.60	.04	.06	1395.13
839.0	135.4	703.6	.0	51.3	105.1	.1	1.1	.7	1395.65
.02	2.64	6.70	.04	.018	.020	.018	.000	1391.82	183.32
.002040	24.	26.	27.	20	8	0	.00	136.68	320.00

*SECNO 15.000

3265 DIVIDED FLOW

3280 CROSS SECTION 15.00 EXTENDED .25 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

15.000	3.93	1395.95	1395.95	.00	1396.57	.62	.03	.00	1396.50
839.0	178.7	658.5	1.9	58.2	94.9	1.3	1.2	.8	1395.70
.02	3.07	6.94	1.46	.018	.020	.018	.000	1392.02	190.00
.002100	12.	16.	18.	20	5	0	.00	125.08	323.00

*SECNO 16.000
3280 CROSS SECTION 16.00 EXTENDED .57 FEET

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1395.58 MAX ELLC= 1394.06

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

16.000	4.26	1396.27	1396.27	.00	1396.85	.59	.02	.00	1395.58
839.0	215.7	616.6	6.8	73.3	88.7	3.1	1.2	.8	1395.60
.02	2.94	6.95	2.19	.018	.012	.018	.000	1392.01	200.00
.001541	11.	11.	11.	20	11	0	-15.05	123.00	323.00

*SECNO 17.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3265 DIVIDED FLOW

3280 CROSS SECTION 17.00 EXTENDED .69 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.03 MAX ELLC= 1394.10

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

17.000	4.38	1396.39	1396.39	.00	1397.01	.61	.03	.01	1395.20
839.0	373.8	454.3	10.8	73.6	63.4	4.5	1.2	.8	1396.50
.02	5.08	7.17	2.42	.018	.012	.018	.000	1392.01	212.00
.003796	14.	11.	11.	20	9	0	-27.79	112.01	326.00

*SECNO 18.000
3280 CROSS SECTION 18.00 EXTENDED .59 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.10 MAX ELLC= 1394.16

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

18.000	4.47	1396.59	1396.59	.00	1397.14	.55	.08	.01	1396.00
839.0	223.9	471.9	143.2	52.0	67.8	31.5	1.3	.9	1395.15
.02	4.31	6.96	4.54	.018	.012	.018	.000	1392.12	230.00
.003267	28.	18.	24.	20	9	0	-25.48	116.00	346.00

*SECNO 19.000
3280 CROSS SECTION 19.00 EXTENDED .82 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.40 MAX ELLC= 1394.22

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

19.000	4.34	1396.54	1396.54	.00	1397.27	.73	.07	.05	1395.40
839.0	173.7	496.0	169.3	36.1	64.0	29.3	1.4	1.0	1395.60
.02	4.81	7.75	5.79	.018	.012	.018	.000	1392.20	247.00
.004363	20.	18.	21.	2	9	0	-26.96	90.50	337.50

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 20.000
3280 CROSS SECTION 20.00 EXTENDED 1.02 FEET

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.45 MAX ELLC= 1394.33

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

20.000	4.52	1396.81	1396.81	.00	1397.65	.84	.08	.03	1395.30
839.0	150.0	570.3	118.6	28.4	70.5	20.9	1.4	1.0	1395.50
.02	5.29	8.09	5.67	.018	.012	.018	.000	1392.29	262.00
.004133	20.	19.	20.	20	9	0	-24.32	67.00	329.00

*SECNO 21.000
3280 CROSS SECTION 21.00 EXTENDED 1.78 FEET

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.96

3370 NORMAL BRIDGE, NRD= 4 MIN ELTRD= 1395.24 MAX ELLC= 1394.38

21.000	5.15	1397.48	.00	.00	1397.73	.25	.02	.06	1396.38
839.0	64.8	352.8	421.4	22.8	79.9	111.5	1.5	1.0	1395.96
.02	2.84	4.41	3.78	.018	.012	.018	.000	1392.33	270.00
.001073	8.	8.	11.	5	0	0	-27.74	107.00	377.00

*SECNO 22.000
3280 CROSS SECTION 22.00 EXTENDED 1.78 FEET

3370 NORMAL BRIDGE, NRD= 2 MIN ELTRD= 1396.23 MAX ELLC= 1394.51

22.000	5.18	1397.58	.00	.00	1397.75	.17	.01	.01	1396.10
839.0	23.7	437.4	377.9	13.8	108.4	163.9	1.5	1.0	1395.24
.02	1.72	4.04	2.31	.040	.025	.040	.000	1392.40	275.00
.001647	7.	9.	10.	2	0	0	-17.20	120.00	395.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 23.000
3280 CROSS SECTION 23.00 EXTENDED 1.95 FEET

23.000	5.15	1397.55	.00	.00	1397.78	.23	.01	.02	1396.00
839.0	34.2	560.6	244.1	22.7	122.2	151.4	1.6	1.1	1396.23
.02	1.51	4.59	1.61	.040	.025	.040	.000	1392.40	272.00
.000945	9.	9.	9.	2	0	0	.00	128.00	400.00

*SECNO 24.000
3280 CROSS SECTION 24.00 EXTENDED 1.72 FEET

24.000	5.02	1397.62	.00	.00	1397.82	.20	.04	.00	1395.70
839.0	73.5	513.4	252.1	57.7	115.7	163.1	1.8	1.2	1395.90
.03	1.27	4.44	1.55	.040	.025	.040	.000	1392.60	230.00
.000960	41.	39.	32.	2	0	0	.00	190.00	420.00

*SECNO 25.000
3280 CROSS SECTION 25.00 EXTENDED 1.58 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .61

25.000	4.87	1397.57	.00	.00	1397.94	.37	.07	.05	1396.50
839.0	94.6	411.2	333.3	47.8	62.6	147.1	2.2	1.4	1397.20
.03	1.98	6.56	2.27	.040	.025	.040	.000	1392.70	243.00
.002619	54.	50.	48.	2	0	0	.00	192.00	435.00

*SECNO 26.000
3280 CROSS SECTION 26.00 EXTENDED .11 FEET

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

26.000	5.01	1397.71	1397.71	.00	1398.69	.97	.08	.18	1396.30
749.0	124.0	624.3	.7	47.7	72.6	1.2	2.3	1.5	1397.50
.03	2.60	8.60	.56	.040	.025	.040	.000	1392.70	247.00
.004248	25.	25.	26.	20	8	0	.00	75.30	322.30

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 27.000
3280 CROSS SECTION 27.00 EXTENDED 1.28 FEET

27.000	5.29	1398.19	.00	.00	1398.90	.71	.19	.03	1397.40
749.0	18.3	584.1	146.7	12.8	78.0	44.5	2.5	1.6	1394.80
.03	1.42	7.49	3.29	.040	.025	.040	.000	1392.90	259.00
.002790	53.	55.	57.	3	0	0	.00	58.90	317.90

*SECNO 28.000
3280 CROSS SECTION 28.00 EXTENDED .34 FEET

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

28.000	4.64	1398.04	1398.04	.00	1399.36	1.32	.17	.18	1397.50
749.0	5.2	739.7	4.1	4.5	79.7	2.6	2.6	1.6	1397.50
.03	1.16	9.29	1.55	.040	.025	.040	.000	1393.40	278.20
.005572	48.	44.	40.	4	11	0	.00	46.90	325.10

*SECNO 29.000
3280 CROSS SECTION 29.00 EXTENDED .92 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

29.000	5.02	1398.72	1398.72	.00	1399.99	1.27	.24	.01	1398.60
749.0	3.1	712.3	33.5	3.9	77.0	12.5	2.7	1.7	1397.40
.04	.79	9.25	2.68	.040	.025	.040	.000	1393.70	284.50
.004980	40.	45.	48.	20	8	0	.00	55.50	340.00

*SECNO 30.000
3280 CROSS SECTION 30.00 EXTENDED 1.59 FEET

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.69

30.000	5.79	1399.59	.00	.00	1400.14	.55	.08	.07	1397.90
749.0	42.1	659.1	47.7	22.8	104.2	24.1	2.7	1.7	1398.00
.04	1.85	6.33	1.98	.040	.025	.040	.000	1393.80	295.00
.001749	30.	30.	30.	5	0	0	.00	55.20	350.20

TW WEIR IN CACTUS ROAD BETWEEN SECTION 2 AND 3 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
.00	.00	.00	.00	.00	.00	21	1392.859	1392.906	2.000	3.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 3 AND 4 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
2.88	3.21	10.74	2.88	3.21	10.74	21	1392.906	1394.724	3.000	4.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 4 AND 5 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
38.84	41.56	6.76	41.72	44.77	7.04	21	1394.724	1394.902	4.000	5.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 5 AND 6 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
39.07	39.08	.02	80.79	83.84	3.71	21	1394.902	1395.049	5.000	6.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 6 AND 7 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
45.20	45.19	.02	125.99	129.03	2.39	21	1395.049	1395.328	6.000	7.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO WEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
1.88	1.88	.09	127.87	130.91	2.35	21	1395.328	1395.362	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 7 AND 8 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
30.73	30.72	.02	158.60	161.64	1.90	21	1395.328	1395.362	7.000	8.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 8 AND 9 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
15.67	15.67	.03	174.27	177.31	1.73	21	1395.362	1395.549	8.000	9.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 9 AND 10 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
20.85	20.87	.09	195.13	198.18	1.56	21	1395.549	1395.561	9.000	10.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 10 AND 11 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
54.59	54.64	.11	249.71	252.83	1.24	21	1395.561	1395.613	10.000	11.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 11 AND 12 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
33.22	33.27	.13	282.93	286.09	1.11	21	1395.613	1395.593	11.000	12.000

TW WEIR IN CACTUS ROAD BETWEEN SECTION 12 AND 13 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
15.74	15.79	.26	298.68	301.88	1.07	21	1395.593	1395.451	12.000	13.000

TW WEIR IN 84TH STREET BETWEEN SECTION 13 AND 14 - FLOWS TO SOUTHWEST

ASQ	QCOMP	ERRAC	TASQ	TCQ	TABER	NITER	DSWS	USWS	DSSNO	USSNO
14.75	14.76	.13	313.42	316.64	1.02	21	1395.451	1395.725	13.000	14.000

THIS RUN EXECUTED 03NOV94 16:39:45

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HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

2-YEAR STORM

SUMMARY PRINTOUT

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	1.000	93.00	.00	93.00	.00	1389.70	9987.99	10013.96	1.30	1391.00	1391.00	25.00
*	1.000	311.00	.00	311.00	.00	1389.70	9984.26	10018.36	2.21	1391.91	1391.91	25.00
*	1.000	415.46	.00	415.46	.00	1389.70	9982.97	10019.10	2.53	1392.22	1392.22	25.00
*	1.000	463.95	.00	463.95	.00	1389.70	9982.42	10019.42	2.66	1392.36	1392.36	25.00
*	1.000	502.80	.00	502.80	.00	1389.70	9981.99	10019.66	2.76	1392.46	1392.46	25.00
*	1.000	525.58	.00	525.57	.00	1389.70	9981.75	10019.80	2.82	1392.52	1392.52	25.00
*	2.000	93.00	.00	93.00	.00	1390.50	284.29	312.02	.85	1391.35	1391.35	25.00
*	2.000	311.00	.00	311.00	.00	1390.50	281.49	312.05	1.72	1392.22	1392.22	25.00
*	2.000	415.46	.00	415.46	.00	1390.50	280.45	312.06	2.05	1392.55	1392.55	25.00
*	2.000	463.95	.00	463.95	.00	1390.50	279.99	312.06	2.19	1392.69	1392.69	25.00
*	2.000	502.80	.00	502.80	.00	1390.50	279.62	312.06	2.30	1392.80	1392.80	25.00
*	2.000	525.58	.00	525.57	.00	1390.50	279.45	312.07	2.36	1392.86	1392.86	25.00
*	3.000	93.00	.69	92.31	.00	1390.76	283.57	311.02	.81	1391.57	1391.57	12.00
*	3.000	311.00	7.52	303.48	.00	1390.76	281.33	311.05	1.71	1392.47	1392.47	12.00
*	3.000	415.46	14.78	400.69	.00	1390.76	280.68	311.06	1.97	1392.73	1392.73	12.00
*	3.000	463.95	16.50	447.45	.00	1390.76	280.68	311.06	1.97	1392.73	1392.73	12.00
*	3.000	502.80	19.06	483.74	.00	1390.76	280.51	311.06	2.04	1392.80	1392.80	12.00
*	3.000	525.58	21.98	503.60	.00	1390.76	280.23	311.07	2.15	1392.91	1392.91	12.00
*	4.000	93.00	.00	93.00	.00	1390.65	290.07	311.02	.92	1391.57	1391.57	12.00
*	4.000	311.00	.00	311.00	.00	1390.65	290.04	311.06	1.96	1392.61	1392.61	12.00
*	4.000	415.46	.00	415.46	.00	1390.65	290.04	311.06	2.03	1392.68	1392.68	12.00
*	4.000	463.95	.00	463.95	.00	1390.65	290.04	311.06	2.05	1392.70	1392.70	12.00
*	4.000	502.80	.00	502.80	.00	1390.65	290.04	311.06	2.08	1392.73	1392.73	12.00
*	4.000	528.46	88.74	379.71	60.01	1390.65	258.21	332.00	4.07	1394.72	1394.72	12.00
*	5.000	93.00	.00	93.00	.00	1390.75	290.07	311.02	.92	1391.67	1391.67	12.00
*	5.000	311.00	.00	311.00	.00	1390.75	290.04	311.05	1.96	1392.71	1392.71	12.00
	5.000	415.46	.00	415.46	.00	1390.75	290.03	311.06	2.16	1392.91	1392.80	12.00
	5.000	463.95	.00	463.95	.00	1390.75	290.03	311.06	2.22	1392.97	1392.83	12.00
	5.000	502.80	.00	502.80	.00	1390.75	290.03	311.07	2.29	1393.04	1392.88	12.00
*	5.000	567.30	114.19	384.69	68.42	1390.75	259.48	337.00	4.15	1394.90	1394.90	12.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	6.000	93.00	.00	93.00	.00	1390.83	290.07	311.02	.92	1391.75	1391.75	12.00
*	6.000	311.00	.00	311.00	.00	1390.83	290.04	311.05	1.95	1392.78	1392.78	12.00
	6.000	415.46	.00	415.46	.00	1390.83	290.03	311.06	2.22	1393.05	1392.85	12.00
	6.000	463.95	.00	463.95	.00	1390.83	290.03	311.06	2.31	1393.14	1392.91	12.00
	6.000	502.80	.00	502.80	.00	1390.83	290.03	311.07	2.42	1393.25	1392.96	12.00
*	6.000	606.37	160.26	375.85	70.26	1390.83	245.59	342.00	4.22	1395.05	1395.05	12.00
*	7.000	93.00	.00	93.00	.00	1390.96	290.07	311.02	.91	1391.87	1391.87	12.00
*	7.000	311.00	.00	311.00	.00	1390.96	290.04	311.06	1.94	1392.90	1392.90	12.00
	7.000	415.46	.00	415.46	.00	1390.96	290.03	311.07	2.28	1393.24	1392.99	12.00
	7.000	463.95	.00	463.95	.00	1390.96	290.03	311.07	2.42	1393.38	1393.04	12.00
*	7.000	508.66	213.64	221.16	73.87	1390.96	216.41	348.00	4.67	1395.63	1394.87	12.00
*	7.000	651.57	242.91	334.70	73.95	1390.96	218.33	348.00	4.37	1395.33	.00	12.00
*	8.000	93.00	.00	93.00	.00	1391.10	290.07	311.02	.88	1391.98	1391.98	12.00
*	8.000	311.00	.00	311.00	.00	1391.10	290.03	311.04	1.97	1393.07	1393.07	12.00
	8.000	415.46	.00	415.46	.00	1391.10	290.02	311.05	2.38	1393.48	1393.11	12.00
	8.000	463.95	.00	463.95	.00	1391.10	290.01	311.05	2.58	1393.68	1393.17	12.00
	8.000	564.07	349.26	214.81	.00	1391.10	180.00	311.10	4.52	1395.62	.00	12.00
	8.000	684.18	377.08	307.10	.00	1391.10	180.00	311.09	4.26	1395.36	.00	12.00
	9.000	93.00	.00	93.00	.00	1390.80	290.07	314.12	1.49	1392.29	1391.86	20.00
	9.000	311.00	.00	311.00	.00	1390.80	290.03	315.96	2.78	1393.58	1392.84	20.00
*	9.000	415.73	103.82	311.91	.00	1390.80	182.00	317.90	4.14	1394.94	.00	20.00
	9.000	468.76	248.04	220.71	.00	1390.80	182.00	318.95	4.87	1395.67	.00	20.00
	9.000	585.50	310.23	275.27	.00	1390.80	182.00	318.96	4.87	1395.67	.00	20.00
*	9.000	699.85	348.28	351.57	.00	1390.80	182.00	318.78	4.75	1395.55	.00	20.00
*	10.000	93.00	.00	93.00	.00	1390.60	285.07	314.49	1.80	1392.40	.00	20.00
*	10.000	311.00	.00	311.00	.00	1390.60	285.04	316.54	3.31	1393.91	.00	20.00
*	10.000	419.99	46.40	373.59	.00	1390.60	179.00	318.07	4.42	1395.02	.00	20.00
*	10.000	495.15	135.68	359.47	.00	1390.60	179.00	318.96	5.07	1395.67	.00	20.00
*	10.000	610.76	168.34	442.42	.00	1390.60	179.00	318.97	5.07	1395.67	.00	20.00
*	10.000	720.70	180.13	540.57	.00	1390.60	179.00	318.81	4.96	1395.56	.00	20.00
*	11.000	93.00	.00	93.00	.00	1389.60	282.94	313.72	2.85	1392.45	.00	20.00
	11.000	311.00	.00	311.00	.00	1389.60	275.81	315.90	4.41	1394.01	.00	20.00
	11.000	429.81	40.77	389.04	.00	1389.60	173.00	317.41	5.48	1395.08	.00	20.00
	11.000	563.30	125.33	437.93	.05	1389.60	173.00	319.00	6.08	1395.68	.00	20.00
	11.000	676.13	152.66	523.40	.07	1389.60	173.00	319.00	6.10	1395.70	.00	20.00
	11.000	775.29	162.76	612.49	.03	1389.60	173.00	319.00	6.01	1395.61	.00	20.00
*	12.000	93.00	.00	93.00	.00	1390.40	283.26	313.68	2.04	1392.44	.00	20.00
	12.000	311.00	.00	311.00	.00	1390.40	276.30	316.46	3.59	1393.99	.00	20.00
	12.000	432.00	32.65	399.34	.00	1390.40	174.00	318.40	4.67	1395.07	.00	20.00
	12.000	605.81	128.46	477.27	.09	1390.40	174.00	320.00	5.26	1395.66	.00	20.00
	12.000	716.56	154.72	561.72	.12	1390.40	174.00	320.00	5.28	1395.68	.00	20.00
	12.000	808.51	158.75	649.70	.06	1390.40	174.00	320.00	5.19	1395.59	.00	20.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	13.000	93.00	.00	93.00	.00	1391.40	286.22	312.83	.92	1392.32	.00	20.00
*	13.000	311.00	.00	311.00	.00	1391.40	281.40	316.01	2.51	1393.91	.00	20.00
*	13.000	432.00	8.58	423.42	.00	1391.40	188.03	318.20	3.60	1395.00	.00	20.00
*	13.000	631.79	112.96	518.57	.26	1391.40	173.00	322.00	4.21	1395.61	.00	20.00
*	13.000	739.76	131.20	608.27	.29	1391.40	173.00	322.00	4.20	1395.60	.00	20.00
*	13.000	824.25	111.22	713.04	.00	1391.40	173.00	320.55	4.05	1395.45	.00	20.00
*	14.000	93.00	.00	93.00	.00	1391.82	288.89	311.69	1.03	1392.85	1392.85	20.00
*	14.000	311.00	.00	311.00	.00	1391.82	285.87	313.94	2.03	1393.85	1393.85	20.00
*	14.000	432.00	.00	432.00	.00	1391.82	283.01	316.08	2.98	1394.80	.00	20.00
*	14.000	642.00	15.50	626.50	.00	1391.82	210.03	317.04	3.40	1395.22	1394.97	20.00
*	14.000	755.00	92.39	662.61	.00	1391.82	192.55	317.88	3.78	1395.60	1395.60	20.00
*	14.000	839.00	135.39	703.61	.00	1391.82	183.32	320.00	3.91	1395.73	1395.73	20.00
	15.000	93.00	.00	93.00	.00	1392.02	290.08	312.21	1.03	1393.05	.00	20.00
*	15.000	311.00	.00	311.00	.00	1392.02	290.06	314.11	1.90	1393.92	1393.92	20.00
	15.000	432.00	.00	432.00	.00	1392.02	290.04	315.74	2.64	1394.66	.00	20.00
*	15.000	642.00	66.91	575.09	.00	1392.02	207.40	317.76	3.57	1395.59	1395.59	20.00
*	15.000	755.00	131.70	622.71	.59	1392.02	194.20	323.00	3.81	1395.83	1395.83	20.00
*	15.000	839.00	178.66	658.48	1.85	1392.02	190.00	323.00	3.93	1395.95	1395.95	20.00
*	16.000	93.00	.00	93.00	.00	1392.01	290.07	312.35	1.07	1393.08	.00	12.00
*	16.000	311.00	.00	311.00	.00	1392.01	290.04	314.68	2.11	1394.12	.00	12.00
	16.000	432.00	.00	432.00	.00	1392.01	290.03	315.51	2.48	1394.49	1394.06	12.00
	16.000	642.00	108.30	531.38	2.33	1392.01	201.89	323.00	3.96	1395.97	1395.97	12.00
*	16.000	755.00	172.19	577.83	4.98	1392.01	200.00	323.00	4.15	1396.16	1396.16	12.00
*	16.000	839.00	215.67	616.57	6.76	1392.01	200.00	323.00	4.26	1396.27	1396.27	12.00
	17.000	93.00	.00	93.00	.00	1392.01	290.07	311.02	1.08	1393.09	.00	12.00
	17.000	311.00	.00	311.00	.00	1392.01	290.04	311.05	2.03	1394.04	.00	12.00
*	17.000	432.00	.00	432.00	.00	1392.01	290.03	311.05	2.15	1394.16	1394.04	12.00
*	17.000	642.00	233.06	405.59	3.35	1392.01	212.00	326.00	4.14	1396.15	1396.15	12.00
*	17.000	755.00	312.05	435.94	7.01	1392.01	212.00	326.00	4.28	1396.29	1396.29	12.00
*	17.000	839.00	373.84	454.32	10.84	1392.01	212.00	326.00	4.38	1396.39	1396.39	12.00
	18.000	93.00	.00	93.00	.00	1392.12	290.08	311.03	.94	1393.06	.00	12.00
*	18.000	311.00	.00	311.00	.00	1392.12	290.05	311.06	1.95	1394.07	1394.07	12.00
	18.000	432.00	.00	432.00	.00	1392.12	290.04	311.07	2.17	1394.29	1394.13	12.00
*	18.000	642.00	130.63	423.13	88.24	1392.12	230.00	346.00	4.21	1396.33	1396.33	12.00
*	18.000	755.00	183.88	451.40	119.72	1392.12	230.00	346.00	4.37	1396.49	1396.49	12.00
*	18.000	839.00	223.86	471.91	143.23	1392.12	230.00	346.00	4.47	1396.59	1396.59	12.00
	19.000	93.00	.00	93.00	.00	1392.20	290.07	311.03	.87	1393.07	1393.07	12.00
*	19.000	311.00	.00	311.00	.00	1392.20	290.04	311.06	1.96	1394.16	1394.16	12.00
	19.000	432.00	.00	432.00	.00	1392.20	290.03	311.07	2.26	1394.46	1394.22	12.00
	19.000	642.00	116.26	404.38	121.35	1392.20	247.00	337.50	4.21	1396.41	.00	12.00
	19.000	755.00	148.62	457.73	148.64	1392.20	247.00	337.50	4.28	1396.48	.00	12.00
*	19.000	839.00	173.69	495.97	169.34	1392.20	247.00	337.50	4.34	1396.54	1396.54	12.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K**XNCH
*	20.000	93.00	.00	93.00	.00	1392.29	290.07	311.03	.86	1393.15	1393.15	12.00
*	20.000	311.00	.00	311.00	.00	1392.29	290.04	311.06	1.94	1394.23	1394.23	12.00
	20.000	432.00	.00	432.00	.00	1392.29	290.02	311.07	2.33	1394.62	1394.30	12.00
*	20.000	642.00	85.14	483.26	73.60	1392.29	262.00	329.00	4.24	1396.53	1396.53	12.00
*	20.000	755.00	120.27	536.35	98.37	1392.29	262.00	329.00	4.39	1396.68	1396.68	12.00
*	20.000	839.00	150.02	570.35	118.63	1392.29	262.00	329.00	4.52	1396.81	1396.81	12.00
*	21.000	93.00	.00	93.00	.00	1392.33	290.08	311.02	.88	1393.21	1393.21	12.00
*	21.000	311.00	.00	311.00	.00	1392.33	290.05	311.05	1.95	1394.28	1394.28	12.00
	21.000	432.00	.00	432.00	.00	1392.33	290.04	311.06	2.34	1394.67	1394.35	12.00
*	21.000	642.00	34.95	314.29	292.76	1392.33	270.00	377.00	4.76	1397.09	1396.58	12.00
*	21.000	755.00	52.17	335.48	367.35	1392.33	270.00	377.00	4.99	1397.32	.00	12.00
*	21.000	839.00	64.78	352.78	421.43	1392.33	270.00	377.00	5.15	1397.48	.00	12.00
*	22.000	93.00	.00	93.00	.00	1392.40	288.70	311.03	.97	1393.37	.00	25.00
*	22.000	311.00	.00	310.73	.27	1392.40	286.97	375.02	2.25	1394.65	.00	25.00
*	22.000	432.00	.00	365.91	66.09	1392.40	282.69	395.00	3.75	1396.15	.00	25.00
	22.000	642.00	13.96	366.97	261.07	1392.40	275.00	395.00	4.80	1397.20	.00	25.00
	22.000	755.00	19.49	407.74	327.77	1392.40	275.00	395.00	5.02	1397.42	.00	25.00
	22.000	839.00	23.72	437.40	377.89	1392.40	275.00	395.00	5.18	1397.58	.00	25.00
	23.000	93.00	.00	93.00	.00	1392.40	289.30	311.02	1.02	1393.42	.00	25.00
	23.000	311.00	.00	311.00	.00	1392.40	287.14	311.06	2.32	1394.72	.00	25.00
*	23.000	432.00	4.19	400.92	26.89	1392.40	272.00	400.00	3.82	1396.22	.00	25.00
	23.000	642.00	22.21	465.00	154.79	1392.40	272.00	400.00	4.77	1397.17	.00	25.00
	23.000	755.00	29.04	520.66	205.29	1392.40	272.00	400.00	4.99	1397.39	.00	25.00
	23.000	839.00	34.23	560.63	244.14	1392.40	272.00	400.00	5.15	1397.55	.00	25.00
*	24.000	93.00	.00	93.00	.00	1392.60	289.07	306.73	1.30	1393.90	1393.90	25.00
*	24.000	311.00	.00	311.00	.00	1392.60	286.85	311.92	2.48	1395.08	1395.08	25.00
	24.000	432.00	2.60	411.79	17.62	1392.60	271.85	420.00	3.58	1396.18	1395.58	25.00
	24.000	642.00	37.94	444.50	159.56	1392.60	234.12	420.00	4.60	1397.20	.00	25.00
	24.000	755.00	57.43	484.89	212.68	1392.60	230.00	420.00	4.85	1397.45	.00	25.00
	24.000	839.00	73.48	513.40	252.12	1392.60	230.00	420.00	5.02	1397.62	.00	25.00
	25.000	93.00	.00	93.00	.00	1392.70	292.38	303.88	1.58	1394.28	.00	25.00
*	25.000	311.00	.12	278.97	31.91	1392.70	261.75	435.00	3.59	1396.29	1396.29	25.00
*	25.000	432.00	12.91	326.63	92.46	1392.70	255.25	435.00	4.01	1396.71	1396.71	25.00
*	25.000	642.00	52.61	380.64	208.74	1392.70	247.73	435.00	4.50	1397.20	1397.20	25.00
*	25.000	755.00	73.44	408.13	273.44	1392.70	244.93	435.00	4.67	1397.37	.00	25.00
*	25.000	839.00	94.59	411.15	333.25	1392.70	243.00	435.00	4.87	1397.57	.00	25.00
*	26.000	84.00	.00	84.00	.00	1392.70	294.45	309.20	2.08	1394.78	.00	25.00
	26.000	282.00	2.78	279.22	.00	1392.70	268.09	310.83	3.85	1396.55	.00	25.00
	26.000	397.00	5.83	391.17	.00	1392.70	266.97	310.88	3.90	1396.60	1396.01	25.00
*	26.000	593.00	57.91	535.09	.00	1392.70	253.99	311.47	4.55	1397.25	1397.25	25.00
*	26.000	687.00	96.31	590.69	.00	1392.70	248.17	313.90	4.84	1397.54	1397.54	25.00
*	26.000	749.00	124.02	624.32	.67	1392.70	247.00	322.30	5.01	1397.71	1397.71	25.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
	27.000	84.00	.00	84.00	.00	1392.90	284.57	299.60	1.99	1394.89	.00	25.00
	27.000	282.00	.00	253.03	28.97	1392.90	280.60	316.80	3.88	1396.78	.00	25.00
*	27.000	380.46	.00	326.20	54.26	1392.90	279.68	317.90	4.32	1397.22	.00	25.00
*	27.000	414.95	9.74	324.19	81.02	1392.90	259.00	317.90	5.26	1398.16	.00	25.00
*	27.000	434.80	17.08	329.11	88.62	1392.90	259.00	317.90	5.57	1398.47	.00	25.00
	27.000	749.00	18.26	584.07	146.67	1392.90	259.00	317.90	5.29	1398.19	.00	25.00
	28.000	84.00	.00	84.00	.00	1393.40	300.41	315.39	1.61	1395.01	.00	25.00
	28.000	282.00	.00	282.00	.00	1393.40	296.39	318.05	3.39	1396.79	.00	25.00
	28.000	380.46	.00	380.46	.00	1393.40	295.53	318.62	3.77	1397.17	.00	25.00
	28.000	414.95	3.65	408.62	2.68	1393.40	276.43	325.10	4.70	1398.10	.00	25.00
	28.000	434.80	10.83	418.77	5.19	1393.40	273.30	325.10	5.02	1398.42	.00	25.00
*	28.000	749.00	5.20	739.72	4.09	1393.40	278.20	325.10	4.64	1398.04	1398.04	25.00
	29.000	84.00	.00	84.00	.00	1393.70	312.52	325.30	1.52	1395.22	.00	25.00
	29.000	282.00	.00	282.00	.00	1393.70	310.45	327.73	3.03	1396.73	.00	25.00
	29.000	380.46	.00	380.46	.00	1393.70	310.02	328.23	3.34	1397.04	1397.02	25.00
	29.000	414.95	.00	409.85	5.10	1393.70	308.71	340.00	4.30	1398.00	.00	25.00
	29.000	434.80	.00	422.86	11.94	1393.70	308.26	340.00	4.63	1398.33	.00	25.00
*	29.000	749.00	3.12	712.33	33.54	1393.70	284.50	340.00	5.02	1398.72	1398.72	25.00
	30.000	84.00	.00	84.00	.00	1393.80	315.52	330.23	1.76	1395.56	.00	25.00
	30.000	282.00	.00	282.00	.00	1393.80	312.58	333.49	3.43	1397.23	.00	25.00
*	30.000	380.46	.00	380.46	.00	1393.80	311.51	334.68	4.04	1397.84	.00	25.00
	30.000	414.95	1.18	410.54	3.23	1393.80	300.85	350.20	4.48	1398.28	.00	25.00
	30.000	434.80	4.45	421.81	8.55	1393.80	295.00	350.20	4.75	1398.55	.00	25.00
*	30.000	749.00	42.11	659.14	47.74	1393.80	295.00	350.20	5.79	1399.59	.00	25.00

EXISTING CONDITIONS

HEC-2 RUN

THUNDERBIRD WASH

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*****************************************
*  HEC-2 WATER SURFACE PROFILES         *
*                                       *
*  Version   4.6.2;  May 1991           *
*                                       *
*  RUN DATE    02NOV94    TIME   15:23:19 *
*****************************************
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*****************************************
*  U.S. ARMY CORPS OF ENGINEERS         *
*  HYDROLOGIC ENGINEERING CENTER        *
*  609 SECOND STREET, SUITE D           *
*  DAVIS, CALIFORNIA 95616-4687         *
*          (916) 756-1104               *
*****************************************
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X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX              XXXXXXX
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THIS RUN EXECUTED 02NOV94 15:23:19

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****************************************
 HEC-2 WATER SURFACE PROFILES

 Version   4.6.2;  May 1991
****************************************


T1      84TH STREET AND CACTUS ROAD DRAINAGE IMPROVEMENT PROJECT
T2      SUBCRITICAL FLOW IN CACTUS ROAD - FILE CAC2SPL.DAT
T2      ALTERNATE 2 - FLOW FOLLOWS BEND

J1  ICHECK    INQ      NINV     IDIR     STRT     METRIC   HVINS    Q        WSEL     FQ

      0        2        0        0      .0076       0        0        0        0        1

J2  NPROF    IPLOT    PRFVS    XSECV    XSECH    FN       ALLDC    IBW      CHNIM    ITRACE

     0        0       -1


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38       43       13       14       15       42       53       54        8        1
     2       17

QT       1      377
NC    .030     .030     .016       .1       .3
X1    0.59       12     75.4    123.1
GR  1393.4       40     1393       60  1392.55     75.4  1392.07     75.5  1392.54       95
GR  1392.5      100  1391.92      123  1392.41    123.1  1392.49    127.1  1393.17    127.6
GR  1393.8      140     1395      160

X1   0.595       13     75.4    123.1       50       50       50
GR  1393.8       40     1395       60   1393.2       67  1392.82     75.4  1392.33     75.5
GR  1392.8       95  1392.67      100  1392.18      123  1392.67    123.1  1392.75    127.1
GR  1394.8    127.6     1395      140   1392.9      160

X1     1.1       12     75.4    123.1       50       50       50
GR  1393.7       40   1393.3       60   1393.5     75.4  1392.57     75.5  1392.96     96.5
GR  1392.9      100  1392.42      123  1392.91    123.1   1393.4      133   1393.2      140
GR  1393.3      145   1394.9      160

X1     2.1       10     75.4   123.15       50       50       50
GR  1393.6       40   1393.4       60  1393.35     75.4  1392.89     75.5  1393.18       96
GR  1393.1      100  1392.67   123.05  1393.15   123.15   1393.8      140   1395.8      160

X1     3.1       11     75.4    123.2       50       50       50
GR  1394.2       40   1393.8       60  1393.57     75.4  1393.09     75.5  1393.47       96
GR  1393.4      100  1392.86    123.1  1393.34    123.2   1394.0      133   1394.1      140
GR  1395.6      160
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X	4.1	9	75.35	123.25						
GR	1395.2	16	1394.5	40	1394.19	60	1393.32	75.35	1393.71	96
GR	1393.6	100	1393.1	123.15	1393.57	123.25	1396	182		
X1	5.1	7	87	135.10	16	20	18			
GR	1395.2	30	1393.86	87.00	1393.36	87.10	1393.80	112	1393.15	135
GR	1393.6	135.1	1396.00	172.00						
X1	6.1	7	88	138.10	18	23	20			
GR	1395.2	33	1393.96	88.00	1393.46	88.10	1393.95	114	1393.25	138
GR	1393.8	138.1	1396.00	166.00						
X1	7.1	7	93	144.10	22	28	21			
GR	1395.2	40	1394.03	93.00	1393.55	93.10	1394.07	118	1393.50	144
GR	1394.0	144.1	1395.50	176.00						
QT	1	305								
X1	10.1	6	96	155.00	21	38	30			
GR	1395.2	22	1394.70	60.00	1393.90	96.00	1393.40	96.1	1394.12	125
GR	1394.2	155.0								
QT	1	247								
X1	11.1	6	98	150.00	13	33	27			
GR	1395.3	9	1394.80	22.00	1394.30	98.00	1393.80	98.1	1393.89	109
GR	1394.8	150.0								
QT	1	211								
X1	12.1	5	96	163.00	12	28	22			
GR	1395.3	13	1394.44	96.00	1393.94	96.10	1394.83	135	1394.70	163
QT	1	194								
X1	13.1	7	93	162.10	11	24	20			
GR	1395.4	16	1394.46	93.00	1393.96	93.10	1394.91	131	1394.64	162
GR	1395.1	162.1	1395.20	180.00						
QT	1	177								
X1	14.1	8	90	156.10	12	24	20			
GR	1395.4	17	1395.30	40.00	1394.50	90.00	1394.00	90.1	1394.96	125
GR	1394.6	156.0	1395.10	156.10	1396.00	196.00				
X1	15.1	7	95	158.10	16	36	27			
GR	1395.5	25	1394.61	95.00	1394.11	95.10	1395.04	128	1394.68	158
GR	1395.2	158.1	1396.30	195.00						
X1	16.1	7	85	147.10	41	58	50			
GR	1395.8	21	1394.75	85.00	1394.25	85.10	1395.10	119.0	1394.71	147
GR	1395.2	147.1	1396.60	187.00						

STA 12+00

X1	12	8	68.9	134.4	50	50	50			
GR	1396.3	45	1395.65	68.9	1395.13	69.4	1395.71	100	1395.11	133.9
GR	1395.6	134.4	1395.7	155	1396.9	180				

STA 12+70

X1	13	8	67.5	134.5	59	59	59			
GR	1396.5	43.9	1395.83	67.5	1395.33	68	1395.89	100	1395.22	132
GR	1395.7	134.5	1395.9	155	1396.6	185				

STA 13+44

X1	14	9	67.5	134.5	66	66	66			
GR	1396.5	42	1396	66.5	1395.5	67	1396.14	100	1395.45	134
GR	1395.9	134.5	1396.7	141.5	1396.7	155	1397	180		

STA 14+41

X1	15	10	66	134.4	78	78	78			
GR	1396.9	44.9	1396.19	66	1395.7	66.5	1396.29	100	1395.71	133.9
GR	1396.2	134.4	1396.6	155	1397.1	180	1397.1	200	1396.8	220

STA 15+00

X1	16	9	65.3	134.4	84	84	84			
GR	1398.7	14	1397.3	43.9	1396.55	65.3	1395.88	65.8	1396.57	100
GR	1395.9	133.9	1396.36	134.4	1397	155	1397.9	180		

	3	103	129	157

STA 15+66

X1	17	9	65.2	134.4	61.8	61.8	61.8			
GR	1398.8	0	1398.4	20	1397.7	45	1396.66	65.2	1396.16	65.7
GR	1396.8	100	1396.14	133.9	1396.63	134.4	1396.9	155		

STA 16+44

X1	18	6	65.2	154.9	36.65	36.65	36.65			
GR	1399.0	20	1396.71	65.2	1396.19	65.7	1396.91	100	1396.3	134.9
GR	1396.7	154.9								

STA 17+28

X1	19	8	65.2	134.4	36.95	36.95	36.95			
GR	1399.3	3	1398.0	45	1396.8	65.2	1396.3	65.7	1397.03	100
GR	1396.3	133.9	1396.75	134.4	1397.5	155				

STA 17+89.8

X1	20	9	65.2	134.4	36.6	36.6	36.6			
GR	1399.3	3	1398	45	1396.91	65.2	1396.4	65.7	1397.13	100
GR	1396.4	133.9	1396.87	134.4	1397.5	155	1398.4	195		

STA 18+26.45 PARADISE LANE INTERSECTION

X1	21	11	65.1	134.4	100	100	100			
GR	1398.8	20	1398.6	45	1397.2	65.1	1396.71	65.6	1397.41	100
GR	1396.7	133.9	1397.15	134.4	1397.7	155	1398.2	165	1398.3	200
	1398.4	230								

STA 18+63.4

X1	22	9	65.1	134.3	100	100	100			
GR	1397.9	45	1397.41	65.1	1396.91	65.6	1397.64	100	1396.96	133.8
GR	1397.4	134.3	1399.2	155	1398.4	160	1398.7	180		

STA 19+00

X1	23	8	65.1	134.4	152	152	152			
GR	1398.3	55	1397.82	65.1	1397.32	65.6	1398.08	100	1397.4	133.9
GR	1397.9	134.4	1398.8	155	1399.6	180				

QT	3	67	85	112

STA 20+00

X1	24	9	65.1	134.4	71	71	71			
GR	1398.5	55	1398.09	65.1	1397.51	65.6	1398.17	100	1397.67	133.9
GR	1398.1	134.4	1398.8	155	1399.2	200	1399.5	225		

STA 21+00

X1	25	8	66.7	134.3	77	77	77			
GR	1399.2	55	1398.36	66.7	1397.89	67.2	1398.41	100	1397.87	133.8
GR	1398.4	134.3	1399.0	155	1399.9	180				

STA 22+52

X1	26	8	68.5	134.3	74	74	74			
GR	1399.7	55	1398.57	68.2	1398.09	68.7	1398.72	100	1398.16	133.8
GR	1398.6	134.3	1399.3	155	1399.8	200				

QT	3	65	85	110

STA 23+23

X1	27	8	69	134.3	76	76	76			
GR	1399.3	55	1398.71	69	1398.23	69.5	1398.96	100	1398.35	133.8
GR	1398.8	134.3	1399.5	155	1400.3	180				

STA 24+00

X1	28	8	69.2	134.3	75	75	75			
GR	1399.5	55	1398.94	69.2	1398.48	69.7	1399.13	100	1398.57	133.8
GR	1399.0	134.3	1399.8	155	1400.1	180				

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 1

CCHV= .100 CEHV= .300
*SECNO .590
2096 WSEL NOT GIVEN, AVG OF MAX, MIN USED
3280 CROSS SECTION .59 EXTENDED .08 FEET

3720 CRITICAL DEPTH ASSUMED

.590	1.56	1393.48	1393.48	.00	1393.95	.47	.00	.00	1392.55
377.0	30.8	333.2	13.0	16.6	57.4	5.4	.0	.0	1392.41
.00	1.86	5.81	2.39	.030	.016	.030	.000	1391.92	40.00
.003127	0.	0.	0.	0	17	0	.00	93.78	133.78

*SECNO .595

3265 DIVIDED FLOW

3280 CROSS SECTION .60 EXTENDED .81 FEET

3 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

.595	1.53	1393.71	1393.71	.00	1394.24	.54	.16	.02	1392.82
377.0	14.0	346.6	16.4	6.4	56.9	7.2	.1	.1	1392.67
.00	2.21	6.09	2.27	.030	.016	.030	.000	1392.18	65.02
.003473	50.	50.	50.	20	8	0	.00	70.01	160.00

*SECNO 1.100
3280 CROSS SECTION 1.10 EXTENDED .40 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.44

1.100	1.69	1394.11	.00	.00	1394.39	.27	.12	.03	1393.50
377.0	34.5	303.2	39.3	22.9	65.7	22.3	.2	.2	1392.91
.01	1.51	4.62	1.76	.030	.016	.030	.000	1392.42	40.00
.001671	50.	50.	50.	4	0	0	.00	112.53	152.53

*SECNO 2.100

*SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3280 CROSS SECTION 2.10 EXTENDED .55 FEET

2.100	1.48	1394.15	.00	.00	1394.52	.37	.10	.03	1393.35
377.0	51.2	302.5	23.3	25.1	56.5	12.1	.3	.3	1393.15
.01	2.04	5.36	1.93	.030	.016	.030	.000	1392.67	40.00
.002718	50.	50.	50.	2	0	0	.00	103.54	143.54

*SECNO 3.100
3280 CROSS SECTION 3.10 EXTENDED .19 FEET

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3.100	1.53	1394.39	1394.39	.00	1394.84	.44	.15	.02	1393.57
377.0	35.8	321.6	19.6	18.8	56.1	10.1	.4	.4	1393.34
.01	1.90	5.73	1.94	.030	.016	.030	.000	1392.86	40.00
.003141	50.	50.	50.	20	8	0	.00	103.92	143.92

*SECNO 4.100
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

4.100	1.50	1394.60	1394.60	.00	1395.04	.44	.00	.00	1393.32
377.0	38.0	316.1	22.9	18.2	55.1	12.8	.4	.4	1393.57
.01	2.09	5.73	1.79	.030	.016	.030	.000	1393.10	36.65
.003193	0.	0.	0.	20	8	0	.00	111.44	148.10

*SECNO 5.100
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

5.100	1.56	1394.71	1394.71	.00	1395.19	.48	.06	.01	1393.86
377.0	24.8	333.9	18.2	15.5	57.0	9.5	.4	.5	1393.60
.01	1.60	5.86	1.91	.030	.016	.030	.000	1393.15	50.65
.003242	16.	18.	20.	20	8	0	.00	101.58	152.24

*SECNO 6.100
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
6.100	1.57	1394.82	1394.82	.00	1395.29	.47	.06	.00	1393.96
377.0	26.6	338.5	11.9	16.6	58.6	6.7	.5	.5	1393.80
.01	1.60	5.77	1.79	.030	.016	.030	.000	1393.25	49.64
.003206	18.	20.	23.	2	5	0	.00	101.45	151.09

*SECNO 7.100
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

7.100	1.44	1394.94	1394.94	.00	1395.38	.44	.07	.00	1394.03
377.0	30.9	330.3	15.8	18.7	58.4	9.4	.5	.6	1394.00
.01	1.65	5.66	1.68	.030	.016	.030	.000	1393.50	51.80
.003174	22.	21.	28.	2	12	0	.00	112.28	164.08

*SECNO 10.100
3280 CROSS SECTION 10.10 EXTENDED 1.13 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.70

10.100	1.94	1395.34	.00	.00	1395.45	.12	.04	.03	1393.90
305.0	60.7	244.3	.0	51.8	80.8	.0	.6	.7	1394.20
.02	1.17	3.02	.00	.030	.016	.000	.000	1393.40	22.00
.000720	21.	30.	38.	3	0	0	.00	133.00	155.00

*SECNO 11.100
3280 CROSS SECTION 11.10 EXTENDED .58 FEET

11.100	1.58	1395.38	.00	.00	1395.47	.09	.02	.00	1394.30
247.0	80.4	166.6	.0	67.7	59.5	.0	.7	.7	1394.80
.02	1.19	2.80	.00	.030	.016	.000	.000	1393.80	9.00
.000780	13.	27.	33.	0	0	0	.00	141.00	150.00

*SECNO 12.100
3280 CROSS SECTION 12.10 EXTENDED .70 FEET

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .70

12.100	1.46	1395.40	.00	.00	1395.49	.10	.02	.00	1394.44
211.0	48.7	162.3	.0	44.0	57.4	.0	.7	.8	1394.70
.02	1.11	2.83	.00	.030	.016	.000	.000	1393.94	13.00
.001164	12.	22.	28.	0	0	0	.00	150.00	163.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 13.100
3280 CROSS SECTION 13.10 EXTENDED .22 FEET

13.100	1.47	1395.43	.00	.00	1395.52	.09	.02	.00	1394.46
194.0	37.8	153.0	3.2	37.6	57.4	4.8	.7	.8	1395.10
.02	1.00	2.66	.67	.030	.016	.030	.000	1393.96	16.00
.001070	11.	20.	24.	1	0	0	.00	164.00	180.00

*SECNO 14.100
3280 CROSS SECTION 14.10 EXTENDED .05 FEET

14.100	1.44	1395.44	.00	.00	1395.54	.09	.02	.00	1394.50
177.0	30.5	145.2	1.3	29.6	54.6	2.7	.8	.9	1395.10
.03	1.03	2.66	.51	.030	.016	.030	.000	1394.00	17.00
.001075	12.	20.	24.	0	0	0	.00	154.49	171.49

sta 11+
FF = 95.28

*SECNO 15.100

15.100	1.35	1395.46	.00	.00	1395.58	.12	.03	.01	1394.61
177.0	32.1	144.3	.6	28.8	47.6	1.2	.8	1.0	1395.20
.03	1.12	3.03	.51	.030	.016	.030	.000	1394.11	27.70
.001575	16.	27.	36.	1	0	0	.00	139.32	167.01

*SECNO 16.100

16.100	1.27	1395.52	.00	.00	1395.67	.15	.09	.01	1394.75
177.0	21.2	154.8	1.0	18.2	46.2	1.5	.9	1.1	1395.20
.03	1.16	3.35	.65	.030	.016	.030	.000	1394.25	37.85
.001959	41.	50.	58.	0	0	0	.00	118.47	156.32

*SECNO 12.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
STA 12+00

12.000	.89	1396.00	1396.00	.00	1396.26	.26	.14	.03	1395.65
177.0	2.3	162.3	12.4	2.3	38.4	8.2	1.0	1.2	1395.60
.04	1.01	4.23	1.53	.030	.016	.030	.000	1395.11	56.02
.004259	50.	50.	50.	20	19	0	.00	105.23	161.26

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 13.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.42

Sta 12+70
FF = 97.05

STA 12+70

13.000	1.06	1396.28	.00	.00	1396.44	.16	.17	.01	1395.83
177.0	3.0	158.0	16.0	3.6	47.1	12.9	1.0	1.4	1395.70
.04	.84	3.36	1.24	.030	.016	.030	.000	1395.22	51.63
.002102	59.	59.	59.	2	0	0	.00	119.67	171.30

*SECNO 14.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

STA 13+44

14.000	.95	1396.40	1396.40	.00	1396.67	.28	.19	.04	1395.50
177.0	4.9	170.7	1.4	4.2	39.8	1.1	1.1	1.5	1395.90
.05	1.17	4.29	1.28	.030	.016	.030	.000	1395.45	47.08
.004321	66.	66.	66.	2	11	0	.00	91.77	138.84

*SECNO 15.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.51

Sta 14+41
FF = 97.61

STA 14+41

15.000	1.04	1396.74	.00	.00	1396.90	.16	.21	.01	1396.19
177.0	4.0	165.7	7.3	4.4	50.4	7.3	1.2	1.7	1396.20
.05	.91	3.29	1.00	.030	.016	.030	.000	1395.70	49.85
.001901	78.	78.	78.	0	0	0	.00	111.82	161.67

*SECNO 16.000

STA 15+00

16.000	1.02	1396.90	.00	.00	1397.10	.21	.19	.01	1396.55
177.0	1.4	170.6	5.0	1.7	46.0	4.6	1.3	1.9	1396.36
.06	.81	3.71	1.08	.030	.016	.030	.000	1395.88	55.46
.002772	84.	84.	84.	2	0	0	.00	96.16	151.62

*SECNO 17.000
3280 CROSS SECTION 17.00 EXTENDED .26 FEET

Sta 15+56
FF- 97.49

STA 15+66

17.000	1.02	1397.16	.00	.00	1397.22	.06	.10	.01	1396.66
103.0	1.3	95.6	6.0	2.4	47.5	8.1	1.4	2.1	1396.63
.07	.55	2.02	.74	.030	.016	.030	.000	1396.14	55.49
.000785	62.	62.	62.	2	0	0	.00	99.51	155.00

*SECNO 18.000
3280 CROSS SECTION 18.00 EXTENDED .50 FEET

STA 16+44

18.000	1.01	1397.20	.00	.00	1397.24	.05	.03	.00	1396.71
103.0	1.2	101.8	.0	2.3	57.0	.0	1.5	2.1	1396.70
.08	.50	1.79	.00	.030	.016	.000	.000	1396.19	55.62
.000684	37.	37.	37.	2	0	0	.00	99.28	154.90

*SECNO 19.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .58

STA 17+28

19.000	.89	1397.19	.00	.00	1397.30	.11	.04	.02	1396.80
103.0	1.0	99.8	2.2	1.3	36.6	2.7	1.5	2.2	1396.75
.08	.75	2.73	.82	.030	.016	.030	.000	1396.30	58.60
.002033	37.	37.	37.	2	0	0	.00	87.94	146.54

Sta 17+28
FF= 98.91

*SECNO 20.000
STA 17+89.8

20.000	.86	1397.26	.00	.00	1397.39	.13	.08	.00	1396.91
103.0	.9	100.0	2.1	1.2	34.6	2.5	1.5	2.3	1396.87
.08	.77	2.89	.83	.030	.016	.030	.000	1396.40	58.64
.002449	37.	37.	37.	2	0	0	.00	88.64	147.28

*SECNO 21.000
STA 18+26.45 PARADISE LANE INTERSECTION

21.000	.82	1397.52	.00	.00	1397.67	.14	.27	.01	1397.20
103.0	.6	100.0	2.3	.8	32.4	2.6	1.6	2.5	1397.15
.09	.81	3.08	.90	.030	.016	.030	.000	1396.70	60.45
.003059	100.	100.	100.	2	0	0	.00	87.95	148.40

*SECNO 22.000
STA 18+63.4

22.000	.90	1397.81	.00	.00	1397.93	.12	.25	.00	1397.41
103.0	2.5	99.8	.7	3.2	36.0	.9	1.7	2.7	1397.40
.10	.78	2.77	.79	.030	.016	.030	.000	1396.91	48.88
.002150	100.	100.	100.	1	0	0	.00	90.08	138.96

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 23.000

STA 19+00

23.000	.86	1398.18	.00	.00	1398.33	.15	.39	.01	1397.82
103.0	1.2	101.1	.7	1.4	32.2	.9	1.8	3.0	1397.90
.12	.90	3.13	.76	.030	.016	.030	.000	1397.32	57.45
.003183	152.	152.	152.	1	0	0	.00	83.44	140.89

*SECNO 24.000

STA 20+00

24.000	.90	1398.41	.00	.00	1398.46	.05	.12	.01	1398.09
67.0	.5	65.8	.6	1.3	36.9	1.4	1.9	3.2	1398.10
.13	.43	1.78	.42	.030	.016	.030	.000	1397.51	57.17
.000861	71.	71.	71.	2	0	0	.00	86.41	143.58

*SECNO 25.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .45

STA 21+00

25.000	.61	1398.48	.00	.00	1398.61	.13	.13	.03	1398.36
67.0	.1	66.9	.0	.1	22.9	.1	1.9	3.3	1398.40
.13	.50	2.92	.39	.030	.016	.030	.000	1397.87	64.98
.004239	77.	77.	77.	2	0	0	.00	72.18	137.17

Sta 21+00
FF = 99.48

*SECNO 26.000

STA 22+52

26.000	.69	1398.78	.00	.00	1398.90	.12	.29	.00	1398.57
67.0	.2	66.5	.3	.3	23.6	.5	2.0	3.4	1398.60
.14	.66	2.82	.60	.030	.016	.030	.000	1398.09	65.75
.003649	74.	74.	74.	2	0	0	.00	73.86	139.61

Sta 22+52
FF = 1400.45

*SECNO 27.000

STA 23+23

27.000	.80	1399.03	.00	.00	1399.12	.09	.21	.00	1398.71
65.0	.9	63.7	.4	1.2	26.6	.8	2.0	3.6	1398.80
.15	.69	2.39	.55	.030	.016	.030	.000	1398.23	61.34
.002209	76.	76.	76.	2	0	0	.00	79.84	141.18

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 28.000

STA 24+00

Sta 24+00
FF = 1400.56

28.000	.73	1399.21	.00	.00	1399.31	.10	.19	.00	1398.94
65.0	.6	64.0	.3	.9	24.8	.6	2.1	3.7	1399.00
.16	.69	2.59	.58	.030	.016	.030	.000	1398.48	62.41
.002833	75.	75.	75.	2	0	0	.00	77.27	139.68

THIS RUN EXECUTED 02NOV94 15:23:20

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HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SUMMARY PRINTOUT

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	.590	377.00	30.83	333.20	12.98	1391.92	40.00	133.78	1.56	1393.48	1393.48	16.00
*	.595	377.00	14.05	346.60	16.35	1392.18	65.02	160.00	1.53	1393.71	1393.71	16.00
*	1.100	377.00	34.55	303.19	39.26	1392.42	40.00	152.53	1.69	1394.11	.00	16.00
	2.100	377.00	51.20	302.50	23.31	1392.67	40.00	143.54	1.48	1394.15	.00	16.00
*	3.100	377.00	35.81	321.59	19.60	1392.86	40.00	143.92	1.53	1394.39	1394.39	16.00
*	4.100	377.00	37.98	316.11	22.91	1393.10	36.65	148.10	1.50	1394.60	1394.60	16.00
*	5.100	377.00	24.84	333.95	18.21	1393.15	50.65	152.24	1.56	1394.71	1394.71	16.00
*	6.100	377.00	26.59	338.48	11.93	1393.25	49.64	151.09	1.57	1394.82	1394.82	16.00
*	7.100	377.00	30.91	330.28	15.81	1393.50	51.80	164.08	1.44	1394.94	1394.94	16.00
*	10.100	305.00	60.72	244.28	.00	1393.40	22.00	155.00	1.94	1395.34	.00	16.00
	11.100	247.00	80.44	166.56	.00	1393.80	9.00	150.00	1.58	1395.38	.00	16.00
*	12.100	211.00	48.69	162.31	.00	1393.94	13.00	163.00	1.46	1395.40	.00	16.00
	13.100	194.00	37.82	152.96	3.22	1393.96	16.00	180.00	1.47	1395.43	.00	16.00
	14.100	177.00	30.47	145.18	1.35	1394.00	17.00	171.49	1.44	1395.44	.00	16.00
	15.100	177.00	32.14	144.26	.61	1394.11	27.70	167.01	1.35	1395.46	.00	16.00
	16.100	177.00	21.22	154.81	.97	1394.25	37.85	156.32	1.27	1395.52	.00	16.00
*	12.000	177.00	2.28	162.27	12.45	1395.11	56.02	161.26	.89	1396.00	1396.00	16.00

	SECNO	Q	QLOB	QCH	QROB	ELMIN	SSTA	ENDST	DEPTH	CWSEL	CRIWS	K*XNCH
*	13.000	177.00	3.00	157.95	16.05	1395.22	51.63	171.30	1.06	1396.28	.00	16.00
*	14.000	177.00	4.88	170.74	1.38	1395.45	47.08	138.84	.95	1396.40	1396.40	16.00
*	15.000	177.00	3.97	165.74	7.29	1395.70	49.85	161.67	1.04	1396.74	.00	16.00
	16.000	177.00	1.37	170.65	4.98	1395.88	55.46	151.62	1.02	1396.90	.00	16.00
	17.000	103.00	1.33	95.65	6.02	1396.14	55.49	155.00	1.02	1397.16	.00	16.00
	18.000	103.00	1.17	101.83	.00	1396.19	55.62	154.90	1.01	1397.20	.00	16.00
*	19.000	103.00	.97	99.84	2.19	1396.30	58.60	146.54	.89	1397.19	.00	16.00
	20.000	103.00	.90	100.00	2.10	1396.40	58.64	147.28	.86	1397.26	.00	16.00
	21.000	103.00	.61	100.04	2.34	1396.70	60.45	148.40	.82	1397.52	.00	16.00
	22.000	103.00	2.50	99.75	.75	1396.91	48.88	138.96	.90	1397.81	.00	16.00
	23.000	103.00	1.25	101.05	.70	1397.32	57.45	140.89	.86	1398.18	.00	16.00
	24.000	67.00	.55	65.85	.60	1397.51	57.17	143.58	.90	1398.41	.00	16.00
	25.000	67.00	.05	66.90	.05	1397.87	64.98	137.17	.61	1398.48	.00	16.00
	26.000	67.00	.17	66.54	.29	1398.09	65.75	139.61	.69	1398.78	.00	16.00
	27.000	65.00	.85	63.70	.44	1398.23	61.34	141.18	.80	1399.03	.00	16.00
	28.000	65.00	.63	64.05	.33	1398.48	62.41	139.68	.73	1399.21	.00	16.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION SECNO=      .590  PROFILE=  1  CRITICAL DEPTH ASSUMED

CAUTION SECNO=      .595  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=      .595  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=      .595  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=     1.100  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=     3.100  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     3.100  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.100  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     4.100  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     4.100  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     4.100  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     5.100  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     5.100  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     5.100  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO=     6.100  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     6.100  PROFILE=  1  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=     7.100  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=     7.100  PROFILE=  1  MINIMUM SPECIFIC ENERGY

WARNING SECNO=    10.100  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    12.100  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    12.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    12.000  PROFILE=  1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    12.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=    13.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    14.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    14.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY

WARNING SECNO=    15.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    19.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    25.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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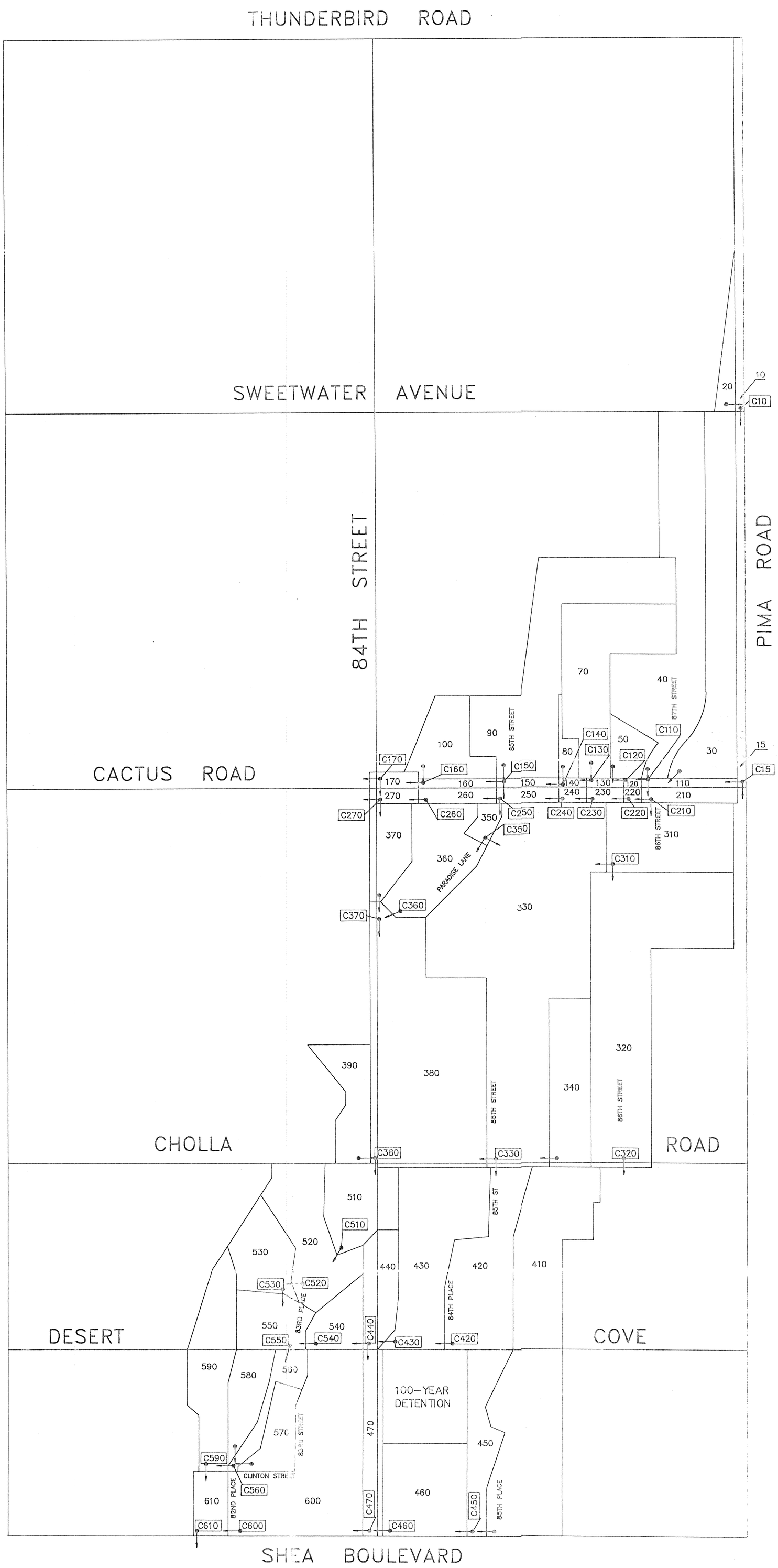

LEGEND

380	SUB–BASIN NUMBER
C380	CONCENTRATION POINT WITH DIRECTION OF FLOW
	DIVERTED FLOW

SMF ENGINEERING CORPORATION
1915 WEST ADOBE DRIVE , SUITE "D"
PHOENIX, AZ 85027 PHONE (602) 516–0605

DATE	REVISION	BY
ENGINEER		

MANAGEMENT SERVICES DEPARTMENT
CAPITAL PROJECT MANAGEMENT
3939 CIVIC CENTER BLVD.
SCOTTSDALE, ARIZONA 85251

PROJECT TITLE
DRAINAGE AREA MAP

SCALE	DESIGNED BY	DATE	BID NO.	SHT. 1
HORIZ. 1"=400'	R.M.	10/93		
VERT.	DRAWN BY R.M.	AS–BUILT	PROJECT NO. S–2709 & F–2708	OF 1